CICS Transaction Gateway
Version 9 Release 0

# Messages

SC34-2834-02

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**Note**
Before using this information and the product it supports, read the information in "Notices" on page 113.

This edition applies to Version 9.0 of the CICS Transaction Gateway for Multiplatforms program number 5724-I81 and CICS Transaction Gateway for z/OS program number 5655-Y20 and to all subsequent releases and modifications until otherwise indicated in new editions.

# Contents

# About this book

This book lists the error and warning messages for the CICS® Transaction Gateway and the CICS Transaction Gateway Desktop Edition.

It is intended for use as a quick reference, with messages organized in alphanumeric sequence. Each message entry gives the message identifier, message text, and further diagnostic and explanatory information.

## Conventions and terminology used in this book

The terminology in this book should be familiar to anyone who has used CICS and the supported operating systems.

## Prerequisite and related information

Some messages refer to several non-IBM® books; these mainly relate to the platform on which the product is running and it is assumed that these books are available to you.

# Messages

**CTG0801E** **CTGBATCH An error occurred writing to log destination** *dest-number*, **FlushRc =** *FlushRC*

**Explanation:** CTGBATCH has encountered an error while attempting to write to logging destination *dest-number* (1=STDOUT 2=STDERR).

**System action:** CTGBATCH will attempt to re-direct subsequent logging data to the default JES log destination.

**User response:** Investigate why the desired logging destination is unavailable and correct the problem. It is possible that there is no space left on the chosen file system or there are insufficient permissions to write to the intended destination. The FlushRc value is for use by IBM support.

**CTG0803E** **CTGBATCH Create pipes failed with errno=***errno* **errno2=***errno2* **with** *number of open pipes* **opened pipes**

**Explanation:** CTGBATCH has encountered error *errno* while creating pipes to communicate with the target program. Without the ability to create and use inter-process pipes, logging will be unavailable.

**System action:** CTGBATCH will terminate with JES return code 16, after writing diagnostic information to the STDERR log destination.

**User response:** The z/OS C/C++ Run-Time Library Reference (SC28-1663) documents the possible errno values and likely reason for the failure. In this case, the failing function call is pipe(). If problems persist, contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0804E** **CTGBATCH Error** *errno* **occurred starting child process for** *HFS_executable* **with errno2 =** *errno2*

**Explanation:** CTGBATCH has encountered error *errno* while starting the target program *HFS_executable* . Possible reasons could be that the user does have the correct authority to execute the target program, the program is not an USS executable or valid shell script.

**System action:** CTGBATCH will terminate with JES return code 8, after writing diagnostic information to the STDERR log destination.

**User response:** The z/OS C/C++ Run-Time Library Reference (SC28-1663) documents the possible errno values and likely reason for the failure. In this case, the failing function call is spawnp(). If problems persist, contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0805E** **CTGBATCH ReadPipeWriteFile bad pipe =** *pipe_number*

**Explanation:** CTGBATCH has encountered an unexpected internal error when processing log data.

**System action:** CTGBATCH attempts to continue.

**User response:** Contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0806E** **CTGBATCH Error** *errno* **occurred reading output of pipe** *pipe_number* **with errno2 =** *errno2*

**Explanation:** CTGBATCH has encountered an error while attempting to read log data from the target program. It is possible that the target program has ended abnormally, before CTGBATCH had a chance to process the latest log data.

**System action:** CTGBATCH will close the resources associated with this log before continuing.

**User response:** If the problem is believed to be in the target program, then check for any diagnostic information specific to the target program that may have logged before it ended abnormally. If this is not the case, contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0807E** **CTGBATCH Dump of internal state will follow:** *state-information*

**Explanation:** CTGBATCH has encountered an unexpected condition.

**System action:** CTGBATCH will write internal state data to the error log.

**User response:** Check the diagnostic messages immediately prior to this state information dump for an indication of the specific problem.

**CTG0808W** **CTGBATCH Dynamically allocating a JES LOG destination as STDOUT DD statement is missing or invalid**

**Explanation:** CTGBATCH was unable to use the supplied STDOUT DD statement, or the STDOUT DD statement was not defined.

**System action:** CTGBATCH continues. A JES log will

be dynamically defined for stdout log messages. The log name will likely be 'SYS00001'. When CTGBATCH completes, the JES return code will be at least 4.

**User response:** If the JCL for CTGBATCH did contain a STDOUT DD statement, verify that the definition is correct.

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**CTG0809W CTGBATCH Dynamically allocating a JES LOG destination as STDERR DD statement is missing or invalid**

**Explanation:** CTGBATCH was unable to use the supplied STDERR DD statement, or the STDERR DD statement was not defined.

**System action:** CTGBATCH continues. A JES log will be dynamically defined for stdout log messages. The log name will likely be 'SYSOUT', although this can be overridden by the LE runtime option "MSGFILE". When CTGBATCH completes, the JES return code will be at least 4.

**User response:** If the JCL for CTGBATCH did contain a STDERR DD statement, verify that the definition is correct.

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**CTG0810W CTGBATCH STDENV DD statement missing or invalid, but CTGBATCH will attempt to continue**

**Explanation:** CTGBATCH was unable to use the supplied STDENV DD statement, or the STDENV DD statement was not defined.

**System action:** CTGBATCH continues. If the target program is a USS executable (e.g. ctgmsgs) then a STDENV may not be required.

**User response:** If the JCL for CTGBATCH did contain a STDENV DD statement, verify that the definition is correct.

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**CTG0811I CTGBATCH Runtime env** *INSERT-0* **=***INSERT-1*

**Explanation:** Information Message

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**CTG0812W CTGBATCH Runtime env** *env-var* **is not set**

**Explanation:** CTGBATCH diagnostic checks have found that a significant environment variable has not been set.

**System action:** CTGBATCH continues.

**User response:** Check whether or not the listed variable should be set in the STDENV data. It will be one of the following: - PATH should at least include "/bin" for base USS system commands and "<Java path>/bin" for the JVM startup script "java". - CICSCLI should specify the path to the "ctg.ini" file to be used by this Gateway daemon. If omitted, the Gateway daemon will attempt to find "ctg.ini" in the product "bin" directory. - TMPDIR should typically be set to "/tmp"; however, if /tmp is prone to becoming full - then it is advisable to specify a writable path which is dedicated to Gateway daemon usage. The ctgstart script utilizes fundamental USS commands which depend on the TMPDIR path having free space and being writable. - _BPX_SHAREAS should be set to YES when CTGBATCH is being used to launch the Gateway daemon. This will ensure that the Gateway daemon and CTGBATCH will run in the same address space if at all possible. - TZ should be set to reflect the local timezone and daylight saving time. The setting should usually reflect the setting of TZ in /etc/profile. The full format is : TZ= standardHH[:MM[:SS]] [daylight[HH[:MM[:SS:]]] [,startdate[/starttime],enddate[/endtime]] ] An example for UK could be TZ=GMT0BST,M3.5.0,M10.4.0 or for US Eastern could be TZ=EST5EDT. For further information refer to the z/OS UNIX System Services Command Reference (SA22-7802). - _BPXK_SETIBMOPT_TRANSPORT should specify the jobname of the TCPIP stack the CICS Transaction Gateway can bind to; for more details see the z/OS Communications Server: IP Configuration Guide, SC31-8775.

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**CTG0813I CTGBATCH RLIMIT_AS reports current=***INSERT-0***, system max=***INSERT-1*

**Explanation:** Information Message

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**CTG0814W CTGBATCH RLIMIT_AS query failed with** *errno*

**Explanation:** CTGBATCH has failed to obtain the Region size data.

**System action:** CTGBATCH continues.

**User response:** This is a soft failure within CTGBATCH data collection, likely related to the problem for which diagnostic data collection was enabled.

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**CTG0815I CTGBATCH CWD=***INSERT-0*

**Explanation:** Information Message

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**CTG0816W CTGBATCH Call to getcwd() failed**

**Explanation:** CTGBATCH has failed to obtain the current working directory data.

**System action:** CTGBATCH continues.

**User response:** This is a soft failure within CTGBATCH data collection, likely related to the problem for which diagnostic data collection was enabled.

**CTG0817I CTGBATCH PID=***INSERT-0*

**Explanation:** Information Message

**CTG0818I CTGBATCH LOCALE=***INSERT-0*

**Explanation:** Information Message

**CTG0819I CTGBATCH POSIX=***INSERT-0* **USS Version=***INSERT-1*

**Explanation:** Information Message

**CTG0820I CTGBATCH Userid=***INSERT-0* **UID=***INSERT-1* **GID=***INSERT-2*

**Explanation:** Information Message

**CTG0821I CTGBATCH Initial dir=***INSERT-0* **Initial program=***INSERT-1*

**Explanation:** Information Message

**CTG0822W CTGBATCH Call to getpwnam() failed**

**Explanation:** CTGBATCH has failed to obtain specific data relating to the current Runtime user.

**System action:** CTGBATCH continues.

**User response:** This is a soft failure within CTGBATCH data collection, likely related to the problem for which diagnostic data collection was enabled.

**CTG0823E CTGBATCH GetMessage() has been passed a NULL pointer**

**Explanation:** CTGBATCH has encountered an unexpected internal error when generating a local message text.

**System action:** CTGBATCH attempts to continue.

**User response:** Contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0824E CTGBATCH GetMessage() Message number** *message-number* **unknown**

**Explanation:** CTGBATCH has encountered an unexpected internal error when generating a local message text.

**System action:** CTGBATCH attempts to continue.

**User response:** Contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

**CTG0825I CTGBATCH Spawned child PID=***INSERT-0*

**Explanation:** Information Message

**CTG0826I CTGBATCH Parsed STDENV entry** *INSERT-0* **=***INSERT-1*

**Explanation:** Information Message

**CTG0827W CTGBATCH Child completed with a non-zero return code** *rc*

**Explanation:** The target program completed with a non-zero return code.

**System action:** CTGBATCH will end normally.

**User response:** Investigate the target program log data to determine why it may have completed with a non-zero return code.

**CTG0828E CTGBATCH The target executable** *target-program* **does not exist**

**Explanation:** The target executable *target-program* could not be found.

**System action:** CTGBATCH will terminate with JES return code 8.

**User response:** Check that *target-program* is correct. Ensure that the PARM string specified for the EXEC PGM=CTGBATCH JCL statement is correct. Up to and including the first forward slash (/) character of the PARM string is taken to be a LE runtime option. Therefore, ensure that the HFS path component of the PARM string includes its own leading / character. Refer to the CICS Transaction Gateway Information Center for more details.

**CTG0829W CTGBATCH Call to __getLogin1() failed**

**Explanation:** CTGBATCH has failed to obtain general data relating to the current Runtime user.

**System action:** CTGBATCH continues.

**User response:** This is a soft failure within CTGBATCH data collection, likely related to the problem for which diagnostic data collection was enabled.

**CTG0830W CTGBATCH Call to setLocale() (query only) failed**

**Explanation:** CTGBATCH has failed to obtain Locale data.

**System action:** CTGBATCH continues.

**User response:** This is a soft failure within CTGBATCH data collection, likely related to the

problem for which diagnostic data collection was enabled.

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**CTG0831E CTGBATCH Call to setenv(*env-var* ) failed with errno *errno***

**Explanation:** CTGBATCH has encountered error *errno* while attempting to set an environment variable from the STDENV data.

**System action:** CTGBATCH continues.

**User response:** The z/OS C/C++ Run-Time Library Reference (SC28-1663) documents the possible errno values and likely reason for the failure. In this case, the failing function call is setenv(). If problems persist, contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

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**CTG0832E CTGBATCH More than one language DD statement was defined**

**Explanation:** CTGBATCH detected that more than one of CTGMSGEN, CTGMSGJA or CTGMSGZH DD statements have been defined.

**System action:** CTGBATCH terminates with JES return code 20.

**User response:** Check the JCL used to start CTGBATCH and ensure that at most one of CTGMSGEN, CTGMSGJA or CTGMSGZH dummy DD statements are defined.

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**CTG0833E CTGBATCH internal function ParseSTDENVEntry() has been passed a null pointer while processing STDENV data at line *line number***

**Explanation:** While parsing the STDENV data, ParseSTDENVEntry was wrongly passed a null pointer value.

**System action:** CTGBATCH attempts to continue processing the STDENV data.

**User response:** Capture the job output. If not already defined, attempt to recreate the problem with the CTGDBG dummy DD card. Contact your service organization and supply the diagnostic log data together with the JCL being used to start the Gateway daemon.

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**CTG0834W CTGBATCH was unable to identify the data type of the STDENV data at line *line number* (entry type code=*code* )**

**Explanation:** CTGBATCH found an irregularity in the format of the STDENV data.

**System action:** CTGBATCH attempts to continue processing the STDENV data.

**User response:** Check that the STDENV data at the specified line number conforms to the STDENV data format rules defined in the CICS Transaction Gateway Information Center.

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**CTG0835W CTGBATCH parsing of STDENV data at line *line number* failed (error code *error code* )**

**Explanation:** CTGBATCH found an irregularity in the format of the STDENV data.

**System action:** CTGBATCH attempts to continue processing the STDENV data.

**User response:** Check the STDENV data at the specified line number conforms to the STDENV data format rules defined in the CICS Transaction Gateway Information Center. If the problem persists, contact your service organization.

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**CTG5000E There is not enough storage within the Gateway daemon address space to write an SMF record**

**Explanation:** A call to write an SMF record failed with an ENOMEM error, which indicates that there was not enough memory available in the Gateway daemon address space.

**System action:** This message is logged. All data in the SMF record is lost.

**User response:** Refer to the CICS Transaction Gateway Information Center for details on resolving out of memory errors.

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**CTG5001I SMF Recording is now active and a record has been successfully written to SMF**

**Explanation:** Information Message

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**CTG5002E SMF is not active**

**Explanation:** The Gateway daemon attempted to write a record to SMF. The UNIX System Services call __smf_record failed with reason code JRSMFNotAccepting, indicating that SMF is not accepting records.

**System action:** This message is logged. All data in the current SMF record is lost.

**User response:** Contact the systems administrator responsible for SMF. For further details on the error code refer to the C/C++ Run-Time Library Reference book, and refer to the section describing the __smf_record() call.

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**CTG5009E An error has occurred in JNI Function getSysEnvData() with return and reason data =** *return and reason data*

**Explanation:** A call to retrieve information regarding the storage characteristics of the current address space has failed. The return code and reason code is included in the message text encoded as a hexadecimal string. The most significant half-word represents the return code (0 = OK, 4 = WARNING, 8 = ERROR). The least significant half-word represents the reason code.

**System action:** This message is logged. The SE resource group statistics which are specific to the z/OS platform will not be updated.

**User response:** If the return and reason data is 0x00085008, then there has been a failure to allocate the memory required to store the data. Refer to the CICS Transaction Gateway Information Center for details on dealing with out of memory errors. If the message reports any other non-zero return and reason code, contact your service organization.

**CTG5011W Module DFHTREX not found**

**Explanation:** A call to load the DFHTREX module failed to find it on the STEPLIB. DFHTREX is required to write trace to the CICS trace. The module is not loaded and no tracing will go to the CICS trace. DFHTREX module is supplied in the CICS SDFHEXCI library.

**System action:** This message is logged. EXCI tracing is not enabled.

**User response:** If JNI tracing to the CICS trace is required then ensure that DFHTREX is on the STEPLIB.

**CTG6000I CTGARM - CTG Automatic Restart Manager Batch Utility**

**Explanation:** Information Message

**CTG6001I End of CTGARM - CTG Automatic Restart Manager Batch Utility**

**Explanation:** Information Message

**CTG6002I Parameters processed:**

**Explanation:** Information Message

**CTG6003I Command:** *value*

**Explanation:** Information Message

**CTG6004I ARM_ID:** *value*

**Explanation:** Information Message

**CTG6005I ARM_TYPE:** *value*

**Explanation:** Information Message

**CTG6006I Results are:**

**Explanation:** Information Message

**CTG6007I Return code:** *value*

**Explanation:** Information Message

**CTG6008I Reason code:** *value*

**Explanation:** Information Message

**CTG6010E Severe Error - Cannot read parameters**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) has an internal error reading the passed parameters.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

**CTG6011E Error - Too many parameters passed**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) takes either 1,2 or 3 parameters. See other messages for the command format.

**System action:** The parameters were incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

**CTG6012E Error - Empty parameter passed**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) takes either 1,2 or 3 parameters. See other messages for the command format.

**System action:** The parameters were incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

**CTG6013E Error - missing parameters**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) takes either 1,2 or 3 parameters. See other messages for the command format.

**System action:** The parameters were incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

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**CTG6014E Bad command, only "Register" and "Deregister" supported**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) takes either 'R' or 'D' as its first parameter. See other messages for the command format.

**System action:** The parameters were incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

---

**CTG6015E Ready not accepted by ARM - see reason codes**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Ready' function of Automatic Restart Manager (ARM) as one of the last phases of registering with ARM. ARM rejected the call.

**System action:** The utility will terminate.

**User response:** An explanation of the reason code returned by the 'Ready' request to ARM can be found in the 'z/OS MVS Programming: Sysplex Services Reference' manual.

---

**CTG6016E Registration failed - see reason codes**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. ARM rejected the call.

**System action:** The utility will terminate.

**User response:** An explanation of the reason code returned by the 'Registration' request to ARM can be found in the 'z/OS MVS Programming: Sysplex Services Reference' manual.

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**CTG6017E Wait for predecessors failed - see reason codes**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Wait' function of Automatic Restart Manager (ARM) as the 'Register' request to ARM indicated that this was a restart. ARM rejected the call.

**System action:** The utility will terminate.

**User response:** An explanation of the reason code returned by the 'Wait' request to ARM can be found in the 'z/OS MVS Programming: Sysplex Services Reference' manual.

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**CTG6018E Deregistration failed - see reason codes**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Deregistration' function of Automatic Restart Manager (ARM) to deregister with ARM. ARM rejected the call. This is a non-fatal error.

**System action:** The utility will terminate.

**User response:** An explanation of the reason code returned by the 'Deregister' request to ARM can be found in the 'z/OS MVS Programming: Sysplex Services Reference' manual.

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**CTG6020E Deregistration failed - was not registered**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Deregistration' function of Automatic Restart Manager (ARM) to deregister with ARM. ARM rejected the call because this job was not registered with ARM.

**System action:** The utility will terminate.

**User response:** No further action is required.

---

**CTG6021E Registration failed - ARM_ID already in use**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. ARM rejected the call because the ARM_ID was not unique in the sysplex.

**System action:** The utility will terminate.

**User response:** Choose a sysplex unique ID and re-run the utility.

---

**CTG6022E Registration failed - ARM_ID is invalid**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. ARM rejected the call because the ARM_ID did not conform to the character restrictions.

**System action:** The utility will terminate.

**User response:** Check the value in the ARM_ID parameter against the restrictions given by other messages.

---

**CTG6023E Registration / Deregistration failed - ARM is not running**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. The call to ARM failed because ARM was not active on the sysplex.

**System action:** The utility will terminate.

**User response:** Investigate why ARM is not running.

**CTG6024E Registration / Deregistration failed - This is not a started job**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. ARM rejected the call because only started jobs can register.

**System action:** The utility will terminate.

**User response:** The utility may have been called from the USS command line or as part of a USS script. The utility can run successfully only when called from BPXBATCH with a PGM= parameter. Refer to the CICS Transaction Gateway Information Center for JCL examples.

**CTG6025E Registration failed - ARM_TYPE is invalid**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) called the 'Registration' function of Automatic Restart Manager (ARM) as the first phase of registering with ARM. ARM rejected the call because the ARM_TYPE did not conform to the character restrictions.

**System action:** The utility will terminate.

**User response:** Check the value in the ARM_TYPE parameter against the restrictions given by messages.

**CTG6026E Error - ARM_ID is too long - maximum of 16 characters**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) Registration command takes a required parameter (ARM_ID) that is up to 16 characters long. See other messages for the command format.

**System action:** The parameter is incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

**CTG6027E Error - ARM_TYPE is too long - maximum of 8 characters**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) Registration command takes an optional parameter (ARM_TYPE) that is up to 8 characters long. See other messages for the command format.

**System action:** The parameter is incorrect, and the utility fails to run.

**User response:** Check the format of the command used and retry.

**CTG6031I This is first time register with ARM**

**Explanation:** Information Message

**CTG6032I This is a re-started job, so wait for any predecessors**

**Explanation:** Information Message

**CTG6033I Deregistering from ARM**

**Explanation:** Information Message

**CTG6034I Registering with ARM**

**Explanation:** Information Message

**CTG6035I Telling ARM we are ready**

**Explanation:** Information Message

**CTG6036I Successfully deregistered with ARM**

**Explanation:** Information Message

**CTG6037I Successfully registered with ARM**

**Explanation:** Information Message

**CTG6041I Command format is either:**

**Explanation:** Information Message

**CTG6042I CTGARM R[egister] ARM_ID [ARM_TYPE]**

**Explanation:** Information Message

**CTG6043I Or:**

**Explanation:** Information Message

**CTG6044I CTGARM D[eregister]**

**Explanation:** Information Message

**CTG6045I Where you only require the first character of the command, and**

**Explanation:** Information Message

**CTG6046I ARM_ID must be sysplex unique**

**Explanation:** Information Message

**CTG6047I ARM_TYPE defaults to** *INSERT-0* **SYSLVL2**

**Explanation:** Information Message

**CTG6051E System Error with CSVQUERY, RC=***value*

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) has an internal error calling the CSVQUERY macro.

**System action:** The utility terminates.

**User response:** Contact your service organization.

**CTG6052E Error - ctgarm is not APF Authorized**

**Explanation:** CICS Transaction Gateway Automatic Restart Manager Batch Utility (ctgarm) must be APF (Authorized Program Facility) authorized in order to register with ARM. This should happen during installation.

**System action:** The utility terminates.

**User response:** Refer to the installation instructions in the CICS Transaction Gateway Information Center for details of how to APF authorize ctgarm.

**CTG6103E The Java launcher program cannot be found in your PATH**

**Explanation:** The Java launcher program is required to run the command but is not in the current PATH.

**System action:** The command terminates with return code 4.

**User response:** Identify where the supported level of Java is on your system. Add its location to your PATH or for UNIX and Linux systems use CTG_JAVA to define where Java is located. Retry the command. Refer to the CICS Transaction Gateway Information Center for further details.

**CTG6106E Use command 'ctgmsgs' to list the recognized languages as the language** *language code* **is not recognized**

**Explanation:** CICS Transaction Gateway supports a number of language and code set combinations, but the specified language code is not supported on this platform.

**System action:** The message language will not be changed.

**User response:** Run the 'ctgmsgs' command with the '-?' parameter to get a list of supported language and code set combinations. Choose the combination that best meets your requirements and retry with that combination.

**CTG6107E Use command 'ctgmsgs' to list the recognized code sets as the code set** *code set* **is not recognized**

**Explanation:** CICS Transaction Gateway supports a number of language and code set combinations, but the specified code set is not supported on this platform.

**System action:** The message language will not be changed.

**User response:** Run the 'ctgmsgs' command with the '-?' parameter to get a list of supported language and code set combinations. Choose the combination that best meets your requirements and retry with that combination.

**CTG6109E The JVM is not at the required level to run this application**

**Explanation:** The Java applications supplied with CICS Transaction Gateway require a minimum level of JVM.

**System action:** The Java application will not start.

**User response:** Refer to the CICS Transaction Gateway Information Center for details of the versions of Java supported. Ensure that the correct level of Java is available on your system and add access to it from the PATH or for UNIX and Linux systems use CTG_JAVA to define where the Java launcher program is located.

**CTG6110E Check the value of environment variable 'CTGENVVAR' as the CTGENVVAR file** *HFS path* **not found**

**Explanation:** CICS Transaction Gateway on z/OS uses the 'ctgenvvar' script to initialize environment variables before executing its Java component. If the CTGENVVAR environment variable is set, then the ctgstart script will attempt to run that script. Note that the CTGENVVAR variable is intended for use only when the Gateway daemon is started under a UNIX System Service shell (as opposed to batch).

**System action:** The CICS Transaction Gateway will not start.

**User response:** Verify that the file *HFS path* is correct. If this value is as expected, then verify that the file is in place. Note that the value of CTGENVVAR is a HFS path, and therefore case-sensitive.

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**CTG6111I Using the default configuration script in file *HFS path* to start up the application**

**Explanation:** Information Message

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**CTG6114W CICS Transaction Gateway is already installed in the local code page**

**Explanation:** ctgmsgs4local was called to convert the CICS Transaction Gateway to the local code page, but it is already installed for that code page.

**System action:** The script terminates.

**User response:** No further action as CICS Transaction Gateway is in the local code page as requested.

---

**CTG6116E This product has not been properly packaged**

**Explanation:** The script that is running is incomplete. This indicates that there was an error during packaging.

**System action:** The script terminates.

**User response:** Contact your service organization.

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**CTG6117E Unable to recognize the platform from the 'uname' string *text***

**Explanation:** The script that is running is unable to identify a supported operating system using the *text* output from the 'uname' command. Either the product is being run on an unsupported platform, or an update to the operating system version has changed this text in an unexpected way.

**System action:** The script terminates.

**User response:** Contact your service organization.

---

**CTG6118E This product is packaged for the *target* operating system, but has identified this as the *actual* operating system**

**Explanation:** CICS Transaction Gateway is packaged for a number of different operating systems. This package is for the operating system identified by the string *target* . An operating system version check (uname) shows the operating system you are running to be *actual* and so the installation cannot continue.

**System action:** The script terminates.

**User response:** Remove the current installation and install the correct package for your operating system. If you believe that you have installed the correct package, contact your service organization.

---

**CTG6119E This product will not execute on z/OS.e**

**Explanation:** CICS Transaction Gateway is not supported on the z/OS.e operating system.

**System action:** The script terminates.

**User response:** Remove the current installation and install it on a system running a full version of z/OS.

---

**CTG6120E Unable to recognize the platform from the 'uname' string *text*, because TMPDIR *path* maybe be full or unavailable for write access**

**Explanation:** The script is unable to identify the runtime operating system as a command substitution using 'uname' has returned an empty string. This can be due to the temporary file system being inaccessible for write by the executing userid, or simply being full. The temporary file system is located at /tmp by default, but can be overridden by the TMPDIR environment variable.

**System action:** The script terminates.

**User response:** Ensure that the userid executing the script has write access to the tmp filesystem, and that the tmp filesystem is not full. If both of these requirements are satisfied and the problem persists, then contact your service organization.

---

**CTG6121E Unable to find Java runtime classes**

**Explanation:** When trying to run a Java application, the Java runtime classes could not be found.

**System action:** The command line application terminates.

**User response:** Install the Java Virtual Machine (JVM) correctly.

---

**CTG6122E The CICS Transaction Gateway could not execute the command**

**Explanation:** The CICS Transaction Gateway could not execute the command. Either the CICS TG is not correctly installed, or the environment is not setup correctly.

**System action:** The application terminates.

**User response:** Check for exceptions that indicate a problem with the environment. If there are no obvious problems, reinstall the CICS TG.

---

**CTG6123E Your JVM or operating system is not supported for this application**

**Explanation:** The Java Virtual Machine (JVM) or the operating system you are running, that has been detected by the JVM, is unsupported.

**System action:** The application has terminated.

**User response:** Ensure that you are running a supported JVM and operating system. Refer to the IBM CICS Transaction Gateway Supported Software webpage for information about supported platforms.

**CTG6124W Source file *filename* not found or not executable**

**Explanation:** The migration tool ctgconvenv cannot find the specified file, or the file does not have execute permission for this user. The syntax of the command is: ctgconvenv ['wrap width'] ['source file name'] where: ['wrap width'] is the width of the generated output and is a value in the range 40 to 120. The default is the terminal screen width. ['source file name'] is the ctgenvvar script to be converted. If the source file name is not fully qualified, the default directory is the <install_path>/bin directory. If the source file name is not specified, a filename of ctgenvvar is assumed. Output is written to stdout. This can be redirected to a file by standard operating system facilities.

**System action:** The ctgconvenv application terminates.

**User response:** If the specified file exists but is not executable, correct the file permissions and retry. If the displayed file name is not correct, retry the command using the full HFS file name.

**CTG6125I Usage - ctgd {start|stop}**

**Explanation:** Information Message

**CTG6126E Cannot find ctgd.conf at *location***

**Explanation:** An attempt was made to start the Gateway daemon in the background, but a valid configuration file could not be found at the specified location.

**System action:** The Gateway daemon does not start.

**User response:** Check that a valid file exists. Refer to the CICS Transaction Gateway Information Center for details on the format and location of ctgd.conf.

**CTG6127E Unable to start the Gateway daemon because the group to which *userid* belongs cannot be resolved**

**Explanation:** An attempt was made to start the Gateway daemon in the background, but it was not possible to resolve the group to which the running user belongs.

**System action:** The Gateway daemon does not start.

**User response:** Check that the /etc/group file exists and that the file has read permissions for the user running ctgd. To verify whether the group can be resolved, run the UNIX 'id' command as the user.

**CTG6129E ctgd was unable to stop the Gateway daemon on port *port***

**Explanation:** An attempt to stop the Gateway daemon using the ctgd stop command failed. This might be because the Gateway daemon is not currently running. A detailed error message is written to the console.

**System action:** The Gateway daemon, if running, might not stop.

**User response:** Investigate why ctgd was unable to stop the Gateway daemon and ensure that the administration port specified in ctgd.conf matches that of the running Gateway daemon. If the problem persists, manually kill the Gateway daemon processes if it is still running.

**CTG6130I Using the configuration script in the CTGENVVAR file *HFS path* to start up the application**

**Explanation:** Information Message

**CTG6131W Assuming the default location for CTG.INI as the environment variable 'CICSCLI' is not set**

**Explanation:** The Gateway daemon will attempt to use the default configuration file 'ctg.ini' or 'CTG.INI' in the product bin directory. This is a compatibility feature and not the recommended configuration style.

**System action:** The ctgstart script continues. If a Gateway daemon configuration file does not exist in the product bin directory, then the initialization will fail.

**User response:** Verify the intended location of the Gateway daemon configuration file and set the CICSCLI environment variable if required.

**CTG6132W Address space sharing will depend upon system defaults as the environment variable '_BPX_SHAREAS' is not set**

**Explanation:** The ctgstart script has determined that the environment variable '_BPX_SHAREAS' has not been defined.

**System action:** The ctgstart script continues.

**User response:** If the environment variable _BPX_SHAREAS is not set, then whether or not the Gateway daemon runs in a single address space will be subject to the system default. Verify your preferred

setting for _BPX_SHAREAS and add the appropriate definition to the environment variable configuration. The recommended setting is _BPX_SHAREAS=YES.

---

**CTG6133W Environment variable 'CTG_SWAPPABLE' is set to 'YES', but this is not a recommended configuration**

**Explanation:** The ctgstart script has determined that the environment variable 'CTG_SWAPPABLE' has been defined as 'YES'.

**System action:** The ctgstart script continues.

**User response:** Setting CTG_SWAPPABLE to 'YES' allows the Gateway daemon address space to be swapped out by z/OS. This is not a recommended configuration for the Gateway daemon. Consider either removing CTG_SWAPPABLE from the environment variable configuration (allowing it to default to NO), or explicitly define it with the value 'NO'.

---

**CTG6134I The Gateway daemon JVM will use the class cache options** *Class cache options*

**Explanation:** Information Message

---

**CTG6140E Environment variable CTG_JAVA does not specify a supported Java launcher program, CTG_JAVA =** *program*

**Explanation:** The *program* specified by environment variable CTG_JAVA is not a supported Java launcher program.

**System action:** The command terminates with return code 4.

**User response:** Set CTG_JAVA to a supported Java launcher program. Refer to the CICS Transaction Gateway Information Center for further details on CTG_JAVA.

---

**CTG6141E The Java launcher program specified by environment variable CTG_JAVA does not exist, CTG_JAVA =** *program*

**Explanation:** The Java launcher program specified by the environment variable CTG_JAVA has not been found.

**System action:** The command terminates with return code 4.

**User response:** Set CTG_JAVA to a supported Java launcher program and ensure that the directory permissions allow the user to access it. Refer to the CICS Transaction Gateway Information Center for further details on CTG_JAVA.

---

**CTG6142E The Java launcher program specified by environment variable CTG_JAVA can not be run, CTG_JAVA =** *program*

**Explanation:** The Java launcher program specified by the environment variable CTG_JAVA could not be run.

**System action:** The command terminates with return code 4.

**User response:** Ensure that the Java launcher program has the necessary file permissions.

---

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**Explanation:** Information Message

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**CTG6201I ctgasi - CTGRRMS Services Address Space Initiator**

**Explanation:** Information Message

---

**CTG6202E ctgasi - CTGRRMS Services Address Space Initiator failed, RC=***return code*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has failed. This message marks the end of a series of messages generated by the utility and contains the return code.

**System action:** The utility ends.

**User response:** See previous error messages to determine why ctgasi failed.

---

**CTG6203I ctgasi - shutting down services address space**

**Explanation:** Information Message

---

**CTG6204I ctgasi - successfully shutdown services address space**

**Explanation:** Information Message

---

**CTG6205E ctgasi - input was corrupted**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error and can not read the parameters passed to it.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6206E ctgasi - ASCRE failed for CTGRRMS, RC =** *return code***, RSN =** *reason code*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error calling the ASCRE macro.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6207E ctgasi must be APF Authorized**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has not been installed correctly as it must be APF (Authorized Program Facility) Authorized to execute.

**System action:** The utility fails to run.

**User response:** Refer to the SMP/E Program Directory.

---

**CTG6208E ctgasi - system error with CSVQUERY, RC =** *value*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error calling CSVQUERY macro.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6209E ctgasi - user ID is not authorized, SAFRC =** *SAF return code ACF return code ACF reason code*

**Explanation:** The user ID used to run the CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has insufficient authority to the 'CTG.RRM.SERVICES' entity of the 'FACILITY' class.

**System action:** The utility fails to run.

**User response:** Check that the user ID has been granted the correct level of access. Refer to the CICS Transaction Gateway Information Center for details.

---

**CTG6210E ctgasi - shutdown requested when address space not yet set up**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) cannot shutdown the CTGRRMS services because they are not running.

**System action:** The utility ends.

**User response:** To start the CTGRRMS services, use the ctgasi command without the refresh or shutdown options.

---

**CTG6211E ctgasi - could not create the required name token pair**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error creating a name token pair used by the CTGRRMS services.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6212E ctgasi - could not delete the required name token pair**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error deleting a name token pair used by the CTGRRMS services.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6213E ctgasi - could not access the ECBs to control address space init**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error accessing the event control blocks (ECBs) used to communicate between address spaces as part of the initialization of the CTGRRMS services.

**System action:** The utility fails to run.

**User response:** Contact your service organization.

---

**CTG6214E ctgasi - bad parameter passed:** *parameter*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) was called with an incorrect parameter *parameter* .

**System action:** The utility fails to run.

**User response:** See messages (CTG6221I onwards) for the command format.

---

**CTG6215E ctgasi - cannot refresh as users are still registered, count =***number*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has been called to do a refresh but there are still *number* users registered as using the CTGRRMS services. This can be caused by failing programs not deregistering from the CTGRRMS services.

**System action:** The utility ends.

**User response:** Do not refresh the CTGRRMS services while there are active users. If the count of users is incorrect, a refresh can be forced by using the '-f' option to override this check.

---

**CTG6216E ctgasi - ASCRE failed for CTGINIT, Post value =** *return code*

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has an internal error after calling ASCRE to initialize the CTGRRMS services. CTGINIT has posted the return code *return code* .

**System action:** The utility fails to run.

**User response:** Contact your service organization.

**CTG6217E ctgasi - dump called when address space not yet set up**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) was called to dump the internal trace table for CTGINIT. There is no trace table to dump out, because the CTGRRMS services have not been started.

**System action:** The utility fails to run.

**User response:** To start the CTGRRMS services, use the ctgasi command without the dump option.

**CTG6218E ctgasi - PCs not defined so can not check count of current users**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has been called to do a refresh but there is an internal error with the CTGRRMS services. The CTGRRMS services cannot be used to determine the number of active users.

**System action:** The utility ends.

**User response:** You should not refresh the CTGRRMS services while there are active users, but because the services seem to be severely corrupted, a refresh can be forced by using the '-f' option to override this check.

**CTG6219E ctgasi - PC failed so can not check count of current users**

**Explanation:** The CICS Transaction Gateway Address Space Initiator Utility (ctgasi) has been called to do a refresh but there is an internal error with the CTGRRMS services. The CTGRRMS services cannot be used to determine the number of active users.

**System action:** The utility ends.

**User response:** You should not refresh the CTGRRMS services while there are active users, but because the services seem to be severely corrupted, a refresh can be forced by using the '-f' option to override this check.

**CTG6220I ctgasi - attempts to initialize the CTGRRMS services address space**

**Explanation:** Information Message

**CTG6221I Command format is:**

**Explanation:** Information Message

**CTG6222I ctgasi [-r [-f] | -s [-f] | -td | -?] [-v]**

**Explanation:** Information Message

**CTG6223I Where the action performed is modified by the optional parameters:**

**Explanation:** Information Message

**CTG6224I -r | -refresh Stop the CTGRRMS services and start a new instance**

**Explanation:** Information Message

**CTG6225I -s | -shutdown Stop the CTGRRMS services**

**Explanation:** Information Message

**CTG6226I -td | -tracedump Dump a formatted initialization trace**

**Explanation:** Information Message

**CTG6227I -f | -force Override registered user checks if required**

**Explanation:** Information Message

**CTG6228I -v | -verbose Display extended messages while ctgasi is running**

**Explanation:** Information Message

**CTG6229I -? Display help on the command**

**Explanation:** Information Message

**CTG6230I ctgasi - completed successfully**

**Explanation:** Information Message

**CTG6231I Calling** *function with optional parameters*

**Explanation:** Information Message

**CTG6232I Returned from** *function with optional return values*

**Explanation:** Information Message

**CTG6233I CTGINIT trace point:** *table offset number name*

**Explanation:** Information Message

**CTG6234I CTGINIT trace data:** *1 or more data values*

**Explanation:** Information Message

**CTG6235I ctgasi - address space already initialized**

**Explanation:** Information Message

**CTG6236I ctgasi - performed no action**

**Explanation:** Information Message

**CTG6237I ctgasi - starting up services address space**

**Explanation:** Information Message

**CTG6238E ctgasi - the version of CTGINIT is incompatible with ctgasi**

**Explanation:** CTGINIT is a dataset which is installed with the CICS TG. It contains functionality used by the CTGRRMS services. The CTGINIT member which is specified on the LNKLIST is used. This message indicates that CTGINIT and ctgasi are from different versions of the CICS TG and that these versions are incompatible.

**System action:** This message is output. Ctgasi does not start a CTGRRMS address space.

**User response:** Refer to the CICS Transaction Gateway Information Center for details on how to update the version of CTGINIT.

**CTG6239E The CICS TG version is incompatible with the CTGINIT version**

**Explanation:** CTGINIT is a dataset which is installed with the CICS TG. It contains functionality used by the CTGRRMS services. The Gateway daemon invokes the CTGINIT on the LNKLST when starting the CTGRRMS services. This message is output if the CTGINIT on the LNKLST is from a different release of the CICS TG and this release is incompatible with the Gateway daemon.

**System action:** This message is output. The Gateway daemon does not start a CTGRRMS address space. The Gateway daemon does not start-up.

**User response:** Refer to the CICS Transaction Gateway Information Center for details on how to update the version of CTGINIT.

**CTG6240W ctgasi - the version of CTGINIT may be incompatible with ctgasi**

**Explanation:** A possible cause of the error message that was written prior to this warning is that the CTGINIT on the LNKLIST is at an incompatible version to ctgasi.

**System action:** This message is output.

**User response:** Refer to the CICS Transaction Gateway Information Center for details on how to ensure that an up to date version of CTGINIT is used.

**CTG6241I Initializing CTGRRMS Services**

**Explanation:** Information Message

**CTG6242I CTGRRMS Services open for business**

**Explanation:** Information Message

**CTG6243I CTGRRMS Services closing down**

**Explanation:** Information Message

**CTG6244I CTGRRMS Services closed with rc =** *return code*

**Explanation:** Information Message

**CTG6246E ETCRE failed in CTGINIT, rc =** *return code*

**Explanation:** The CICS Transaction Gateway Resource Recovery Management Service services (CTGRRMS) have failed due to an internal error.

**System action:** The services have failed.

**User response:** Contact your service organization.

**CTG6247E CTGINIT failed as ASPARM is too small, size =** *actual size*, **req =** *minimum size*

**Explanation:** The CICS Transaction Gateway Resource Recovery Management Service services (CTGRRMS) have failed due to an internal error.

**System action:** The services have failed.

**User response:** Contact your service organization.

**CTG6248E ASEXT failed in CTGINIT, rc =** *return code*, **rsn =** *reason code*

**Explanation:** The CICS Transaction Gateway Resource Recovery Management Service services (CTGRRMS) have failed due to an internal error.

**System action:** The services have failed.

**User response:** Contact your service organization.

**CTG6249E CTGINIT failing as version** *Services version* **is less than requested** *Gateway version*

**Explanation:** The CICS Transaction Gateway Resource Recovery Management Service services (CTGRRMS) have failed because the version of CICS Transaction Gateway trying to initialize the services (ctgasi) is more recent than can be supported by the back level code (CTGINIT) in the LNKLST.

**System action:** The services have failed.

**User response:** Ensure that the most recent version of CTGRRMS services (CTGINIT) is in the LNKLST. Refer to the CICS Transaction Gateway Information Center for details.

---

**CTG6254I Verify that the correct version of CTGINIT is on the LNKLST**

**Explanation:** Information Message

---

**CTG6255E ctgasi - timed out waiting for address space to initialize**

**Explanation:** Ctgasi timed out waiting for the CTGRRMS services to initialize.

**System action:** This message is output. Ctgasi does not start a CTGRRMS address space.

**User response:** One possible reason for this message is that CTGINIT is at an incompatible version to ctgasi. Refer to the CICS Transaction Gateway Information Center for details on how to update the version of CTGINIT.

---

**CTG6300E Token services was unable to allocate a new block.: free chain head=***address***, number of blocks=***number***, retry count=***number*

**Explanation:** CICS TG has been unable to allocate a new block to the token map.

**System action:** The current ECI request will fail. Subsequent error messages may follow. CICS TG will continue to process requests.

**User response:** If the problem persists the Gateway daemon should be restarted.

---

**CTG6301E Token services found an invalid token: token=***value***, number of blocks=***number***, retry count=***number*

**Explanation:** An LUW token references a block that is not allocated. It refers to an entry in the token map that cannot be located.

**System action:** The current ECI request will fail. If the failure occurs while continuing, committing, or rolling back an extended LUW transaction, the request will fail with ECI_ERR_LUW_TOKEN. The CICS TG will continue to process requests.

**User response:** Ensure that the application is not sharing LUW tokens between threads, or attempting to use an LUW token associated with a completed transaction. If this is not the case, and the target CICS region shows mirror tasks waiting on resource type RRMSEXIT, contact IBM support. Restarting the Gateway daemon should allow any such mirror transactions to end.

---

**CTG6302E Token services found a token instance mismatch: token=***token***, slot instance=***instance***, slot address=***address*

**Explanation:** An error was detected while processing an LUW token. The token instance does not match the slot instance.

**System action:** The current ECI request will fail. If the failure occurs while continuing, committing, or rolling back an extended LUW transaction, the request will fail with ECI_ERR_LUW_TOKEN. The CICS TG will continue to process requests.

**User response:** If the target CICS region shows mirror tasks waiting on resource type RRMSEXIT, contact IBM support. Restarting the Gateway daemon should allow any such mirror transactions to end.

---

**CTG6303E Token services failed to allocate** *number* **bytes for a new block: free chain head=***address***, number of blocks=***number*

**Explanation:** The requested storage could not allocated.

**System action:** The current ECI request will fail. Subsequent error messages might follow. CICS TG will continue to process requests.

**User response:** If the problem persists the Gateway daemon should be restarted. Consider increasing region storage for the Gateway daemon.

---

**CTG6304E Token services reached the maximum possible number of blocks (***number* **): free chain head=***address*

**Explanation:** While starting a new transaction, the maximum number of blocks available for LUW token to RRS context mapping has been reached. The maximum number of blocks is 255, each of which can hold 256 LUW tokens. Therefore, the maximum number of concurrent extended mode transactions (65280) has been exceeded.

**System action:** The ECI request will fail. CICS TG will release blocks as transactions complete, which might allow subsequent transactions to start.

**User response:** If the problem persists the Gateway daemon should be restarted. Check that the application programs are ending their transactions when the associated ECI requests complete.

---

**CTG6306E An XA commit request failed because the unit of recovery is not in the expected state in RRS (UR state=***UR state* **)**

**Explanation:** The Gateway daemon is unable to commit a unit of work because the unit of recovery is not in the correct state in RRS. The numeric UR state

values are documented in the MVS Programming Resource Recovery guide.

**System action:** This message is logged and the Gateway daemon continues. A heuristic error is returned on the XA request. The unit of recovery is not committed.

**User response:** Check that all units of recovery associated with the Gateway resource manager in RRS are in a completed state. Refer to the CICS Transaction Gateway Information Center for details on the resource manager name used by Gateway daemons.

---

**CTG6307E** **An XA commit request to system** *System name* **failed because RRS is downlevel (RRS call** *RRS function call* **failed)**

**Explanation:** The Gateway daemon is unable to commit unit of work on system *System name* because the RRS APARs which implement function call *RRS function call* are not installed on system *System name*, or the Gateway is running on an unsupported level of z/OS.

**System action:** This message is logged and the Gateway daemon continues. Units of recovery might be in an incomplete state and might need to be resolved manually.

**User response:** Check that all units of recovery associated with the Gateway in RRS are in a completed state. Check the CICS Transaction Gateway Information Center for the RRS APARS required by the CICS TG at your level of z/OS. Install the required service and restart the Gateway.

---

**CTG6308E** **An XA commit request failed due to an error in RRS function call** *RRS function call* **to system** *System name* **(RRS rc =***RRS return code* **RRS reason=0x***RRS reason code* **CTGRRMS rc=***CTGRRMS return code* **)**

**Explanation:** The Gateway daemon is unable to commit or roll back a unit of recovery on system *System name* because a RRMS function call *RRS function call* failed. The system specified represents the LPAR to which the request was directed to and corresponds to 'System Name' in the RRS ISPF panels. The RRS return and reason code correspond to those defined in the 'MVS Resource Recovery Programming' manual for the function specified. CTGRRMS return code is intended for the use of IBM support representatives only.

**System action:** This message is issued, an XA heuristic error is returned to the application server and the Gateway daemon continues. The unit of recovery is not committed or backed out.

**User response:** Resolve the RRS error and restart the gateway daemon. The unit of recovery might need to be resolved manually.

---

**CTG6309E** **An XA commit request failed because of an authorization error in RRS function call** *RRS function* **to system** *System Name* **on logging group** *Logging Group*

**Explanation:** A request to commit a unit of work failed because the user ID the Gateway daemon is running under does not have sufficient RACF permissions to issue call *RRS function* to System Name *System Name* Logging Group *Logging Group* . The user ID that the Gateway daemon runs under requires ALTER access to either the MVSADMIN.RRS.COMMANDS.gname.sysname resource or the MVSADMIN.RRS.COMMANDS resource in the FACILITY class.

**System action:** The UR is not committed. This message is logged. The Gateway daemon continues.

**User response:** Refer to the CICS Transaction Gateway Information Center for the required privileges for XA support. Modify the RACF security manager to provide the required level of privileges and restart the Gateway daemon. The UR may be left in an incomplete state and need to be manually resolved.

---

**CTG6310E** **An XA roll back request failed because the unit of recovery is not in the expected state in RRS (UR state=***UR state* **)**

**Explanation:** The Gateway daemon is unable to roll back a unit of work because the unit of recovery is not in the correct state in RRS. The numeric UR state values are documented in the MVS Programming Resource Recovery guide.

**System action:** This message is logged and the Gateway daemon continues. A heuristic error is returned on the XA request. The unit of recovery is not committed.

**User response:** Check that all units of recovery associated with the Gateway resource manager in RRS are in a completed state. Refer to the CICS Transaction Gateway Information Center for details on the resource manager name used by Gateway daemons.

---

**CTG6311E** **An XA roll back request to system** *System name* **failed because RRS is downlevel (RRS call** *RRS function call* **failed)**

**Explanation:** The Gateway daemon is unable to roll back unit of work on system *System name* because the RRS APARs which implement function call *RRS function call* are not installed on system *System name*, or the Gateway is running on an unsupported level of z/OS.

**System action:** This message is logged and the Gateway daemon continues. Units of recovery might be

in an incomplete state and might need to be resolved manually.

**User response:** Check that all units of recovery associated with the Gateway in RRS are in a completed state. Check the CICS Transaction Gateway Information Center for the RRS APARS required by the CICS TG at your level of z/OS. Install the required service and restart the Gateway.

---

**CTG6312E** **An XA roll back request failed due to an error in RRS function call** *RRS function call* **to system** *System name* **(RRS rc =***RRS return code* **RRS reason=0x***RRS reason code* **CTGRRMS rc=***CTGRRMS return code* **)**

**Explanation:** The Gateway daemon is unable to roll back a unit of recovery on system *System name* because a RRMS function call *RRS function call* failed. The system specified represents the LPAR to which the request was directed and corresponds to 'System Name' in the RRS ISPF panels. The RRS return and reason code correspond to those defined in the 'MVS Resource Recovery Programming' manual for the function specified. CTGRRMS return code is intended for the use of IBM support representatives only.

**System action:** This message is issued, an XA heuristic error is returned to the application server and the Gateway daemon continues. The unit of recovery is not backed out.

**User response:** Resolve the RRS error and restart the Gateway daemon. The unit of recovery might need to be resolved manually.

---

**CTG6313E** **An XA rollback request failed because of an authorization error in RRS function call** *RRS function* **to system** *System Name* **on logging group** *Logging Group*

**Explanation:** A request to roll back a unit of work failed because the user ID the Gateway daemon is running under does not have sufficient RACF permissions to issue call *RRS function* to System Name *System Name* Logging Group *Logging Group* . The user ID that the Gateway daemon runs under requires ALTER access to either the MVSADMIN.RRS.COMMANDS.gname.sysname resource or the MVSADMIN.RRS.COMMANDS resource in the FACILITY class.

**System action:** The UR is not committed. This message is logged. The Gateway daemon continues.

**User response:** Refer to the CICS Transaction Gateway Information Center for the required privileges for XA support. Modify the RACF security manager to provide the required level of privileges and restart the Gateway daemon. The UR may be left in an incomplete state and need to be manually resolved.

---

**CTG6314E** **An XA forget request failed because the unit of recovery is not in the expected state in RRS (UR state=***UR state* **)**

**Explanation:** The Gateway daemon is unable to forget a unit of work because the unit of recovery is not in the correct state in RRS. The numeric UR state values are documented in the MVS Programming Resource Recovery guide.

**System action:** This message is logged and the Gateway daemon continues. A heuristic error is returned on the XA request. The unit of recovery is not forgotten.

**User response:** Check that all units of recovery associated with the Gateway resource manager in RRS are in a completed state. Refer to the CICS Transaction Gateway Information Center for details on the resource manager name used by Gateway daemons.

---

**CTG6315E** **An XA forget request to system** *System name* **failed because RRS is downlevel (RRS call** *RRS function call* **failed)**

**Explanation:** The Gateway daemon is unable to forget a unit of work on system *System name* because the RRS APARs which implement function call *RRS function call* are not installed on system *System name*, or the Gateway is running on an unsupported level of z/OS.

**System action:** This message is logged and the Gateway daemon continues. Units of recovery might be in an incomplete state and might need to be resolved manually.

**User response:** Check that all units of recovery associated with the Gateway in RRS are in a completed state. Check the CICS Transaction Gateway Information Center for the RRS APARS required by the CICS TG at your level of z/OS. Install the required service and restart the Gateway.

---

**CTG6316E** **An XA forget request failed due to an error in RRS function call** *RRS function call* **to system** *System name* **(RRS rc =***RRS return code* **RRS reason=0x***RRS reason code* **CTGRRMS rc=***CTGRRMS return code* **)**

**Explanation:** The Gateway daemon is unable to forget a unit of recovery on system *System name* because a RRMS function call *RRS function call* failed. The system specified represents the LPAR to which the request was directed to and corresponds to 'System Name' in the RRS ISPF panels. The RRS return and reason codes correspond to those defined in the 'MVS Resource Recovery Programming' manual for the function specified. CTGRRMS return code is intended for the use of IBM support representatives only.

**System action:** This message is issued, an XA heuristic error is returned to the application server and the

Gateway daemon continues. The unit of recovery is not forgotten.

**User response:** Resolve the RRS error and restart the gateway daemon. The unit of recovery might need to be resolved manually.

---

**CTG6317E An XA forget request failed because of an authorization error in RRS function call** *RRS function* **to system** *System Name* **on logging group** *Logging Group*

**Explanation:** A request to forget a unit of work failed because the user ID the Gateway daemon is running under does not have sufficient RACF permissions to issue call *RRS function* to System Name *System Name* Logging Group *Logging Group* . The user ID that the Gateway daemon runs under requires ALTER access to either the MVSADMIN.RRS.COMMANDS.gname.sysname resource or the MVSADMIN.RRS.COMMANDS resource in the FACILITY class.

**System action:** The UR is not forgotten. This message is logged. The Gateway daemon continues.

**User response:** Refer to the CICS Transaction Gateway Information Center for the required privileges for XA support. Modify the RACF security manager to provide the required level of privileges and restart the Gateway daemon. The UR may be left in an incomplete state and need to be manually resolved.

---

**CTG6318W The CTG_RRMNAME environment variable is detected but ignored**

**Explanation:** If values have been set for the APPLID and APPLIDQUALIFIER parameters and the deprecated CTG_RRMNAME environment variable is also defined, the resource manager name is generated using the APPLID and APPLIDQUALIFIER parameters.

**System action:** The Gateway daemon registers with RRS using the resource manager name 'CICSTG.APPLIDQUALIFIER.APPLID.UA'.

**User response:** Remove the CTG_RRMNAME environment variable from your configuration.

---

**CTG6319W The CTG_RRMNAME environment variable is detected**

**Explanation:** The CTG_RRMNAME environment variable has been detected as part of the Gateway daemon configuration. This environment variable has been deprecated. The resource manager name is generated from the values specified in the APPLID and APPLIDQUALIFIER parameters.

**System action:** The Gateway daemon continues to start and registers with RRS using the generated resource manager name.

**User response:** Remove the CTG_RRMNAME environment variable from your configuration. Use the APPLID and APPLIDQUALIFIER parameters to define the resource manager name.

---

**CTG6320E An XA request failed because the unit of recovery is not in the expected state in RRS (UR state=***UR state* **)**

**Explanation:** The Gateway daemon is unable to commit or roll back a unit of work because the unit of recovery is not in the correct state in RRS. The numeric UR state values are documented in the MVS Programming: Resource Recovery guide.

**System action:** This message is logged and the Gateway daemon continues. A heuristic error is returned on the XA request. The unit of recovery is not committed or rolled back.

**User response:** Check that all units of recovery associated with the Gateway in RRS are in a completed state.

---

**CTG6321W Remote systems unavailable for XA recovery**

**Explanation:** Some of the remote systems are not able to recover XA work that was started on a different system. Details about these systems can be found in the MVS system log.

**System action:** The Gateway daemon continues to start.

**User response:** Ensure that the systems on which the Gateway daemon will run have the necessary RACF privileges set, and have all necessary RRMS maintenance applied.

---

**CTG6322E No remote systems available for XA recovery**

**Explanation:** The Gateway daemon is not able to recover work started on remote systems.

**System action:** The Gateway daemon does not start.

**User response:** View the system log for further error information. Verify that the RRS subsystem is active.

---

**CTG6323E The RRS API call ATRQUERY returned an error, RRS rc =***RRS return code* **RRS reason=0x***RRS reason code* **CTGRRMS rc=***CTGRRMS return code*

**Explanation:** The Gateway daemon can not recover XA work because of the ATRQUERY failure. The RRS return and reason code correspond to those defined in the 'MVS Resource Recovery Programming' manual. The CTGRRMS return code is intended for the use of IBM support representatives only.

**System action:** The Gateway daemon does not start.

**User response:** Resolve the RRS error and start the Gateway daemon.

---

**CTG6326E Token services found an invalid free token: token=(*token* ), slot=(*slot* ), old head=(*address* ), new head=(*address* ), retry count=(*number* ), number of blocks=(*number* )**

**Explanation:** An invalid free token was found. A new block will be allocated and the attempt retried up to 50 times.

**System action:** If 50 retries fail CICS TG will terminate.

**User response:** Restart the Gateway daemon. If the problem persists, contact your service organization.

---

**CTG6327E Security permissions for *resource* resource in the FACILITY class are insufficient for XA support**

**Explanation:** XA support is specified in the configuration file. The Gateway daemon does not have sufficient security permissions to recover work started on any local or remote systems.

**System action:** The Gateway daemon does not start.

**User response:** Ensure the user ID that the Gateway daemon runs under has the prerequisite permissions to resource *resource* in the FACILITY class. View the z/OS system log for further error information. Refer to the CICS Transaction Gateway Information Center for details of the permissions required by the security manager.

---

**CTG6400I CICS Transaction Gateway is starting**

**Explanation:** Information Message

---

**CTG6401E Provider *provider* failed to register statistic *statistic* due to *reason***

**Explanation:** An internal error prevented statistic *statistic* from being registered with the CICS TG.

**System action:** The statistic is not available through ctgadmin, SDSF or the statistics API.

**User response:** Contact your service organization.

---

**CTG6402E Provider *provider* failed to update statistic *statistic* due to *reason***

**Explanation:** An internal error prevented statistic *statistic* from being updated.

**System action:** The statistic is not available through ctgadmin, SDSF or the statistics API.

**User response:** Contact your service organization.

---

**CTG6403E The statistic group *statistic group* could not be created because proxy class *proxy class* could not be found**

**Explanation:** An internal error prevented statistic group *statistic group* from being created.

**System action:** No statistics for the statistic group will be available through ctgadmin, SDSF or the statistics API.

**User response:** Contact your service organization.

---

**CTG6404W Ignoring sotimeout setting in the configuration file**

**Explanation:** The configuration file contains an entry sotimeout. This setting (Handler wakeup timeout field in the Configuration Tool) used to define the time that might have to elapse before the Gateway daemon could shut down. It became redundant when Version 6 of the CICS TG introduced shutdown commands, and from Version 7 is no longer supported.

**System action:** The Gateway daemon continues its initialization process.

**User response:** To suppress this message in future, remove any reference to sotimeout from the configuration file. Open the configuration file in the Configuration Tool and then save it.

---

**CTG6405E The Gateway daemon has terminated abnormally**

**Explanation:** The Gateway daemon terminated abnormally.

**System action:** This message is ouptut and the Gateway daemon ends.

**User response:** Refer to the log for the causes of this problem, correct the problem, and restart the Gateway daemon.

---

**CTG6406W The maximum worker threads has been reduced to the EXCI logon limit *logonlim***

**Explanation:** The maximum number of worker threads was previously configured as unlimited, or to a value which exceeded the number of EXCI pipes available to the CICS TG. Requests fail if the number of worker threads exceeds the EXCI pipe limit. The maximum number of worker threads has been reduced.

**System action:** The maximum number of worker threads has been set to equal the maximum number of EXCI pipes available.

**User response:** To prevent a warning message for this error choose either to configure the maximum worker threads to less than or equal to the EXCI pipes logon limit, or increase the EXCI logon limit to be greater than or equal to the number of worker threads.

**CTG6407E** **Statistics interval length is set to the default as unable to parse 'statint' value** *statint value*

**Explanation:** The statistics interval length (statint) value could not be parsed

**System action:** The statistics interval length value is set to the default

**User response:** The statistics interval length (statint) value should be in the format HHMMSS, where HH is the number of hours in the range 00-24, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

**CTG6408E** **The value** *statint value* **(HHMMSS) specified for the statistics interval length (statint) is not valid**

**Explanation:** The statistics interval length (statint) value, specified in the configuration file, is not valid. The interval length must be between 1 minute (000100) and 24 hours (240000).

**System action:** The statistics interval length value is set to the default.

**User response:** The statistics interval length (statint) value should be in the format HHMMSS, where HH is the number of hours in the range 00-24, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59.

**CTG6409E** **Statistics end of day is set to the default as unable to parse 'stateod' value** *stateod value*

**Explanation:** The statistics end of day (stateod) value could not be parsed

**System action:** The statistics end of day value is set to the default

**User response:** The statistics end of day (stateod) value should be in the format HHMMSS, where HH is the number of hours in the range 00-23, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

**CTG6410E** **The value** *stateod value* **(HHMMSS) specified for the statistics end of day (stateod) is not valid**

**Explanation:** The statistics end of day (stateod) value, specified in the configuration file, is not valid. The end of day value must be between midnight (000000) and one second before midnight (235959)

**System action:** The statistics end of day value is set to the default

**User response:** The statistics end of day (stateod) value should be in the format HHMMSS, where HH is the number of hours in the range 00-23, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

**CTG6411I** **Interval statistics are active with the statistics interval length set to** *hours* **hours,** *minutes* **minutes and** *seconds* **seconds**

**Explanation:** Information Message

**CTG6412W** **The time calculated for the next statistics interval reset is in the past**

**Explanation:** The time calculated for the next statistics interval reset is in the past. This could be due to resetting the system clock.

**System action:** The time for the next statistics interval will be recalculated based on the end of day time.

**User response:** Check if the system clock has been moved forwards in time. If not contact your service organization.

**CTG6413W** **The time calculated for the next interval is greater than the statistics interval length setting**

**Explanation:** The time to allow for the next statistics interval is greater than the statistics interval length setting. This could be due to resetting the system clock.

**System action:** The time for the next statistics interval will be recalculated based on the end of day time.

**User response:** Check if the system clock has been moved backwards in time. If not contact your service organization.

**CTG6414E** **The resource group** *statistic group* **could not be added to the current interval statistics because the corresponding proxy class could not be found**

**Explanation:** An internal error prevented statistic group *statistic group* from being added to the current interval statistics.

**System action:** The statistic group will be not be included in the interval statistics.

**User response:** Contact your service organization.

**CTG6415I** **The statistics end of day time is set to** *hours* **:***minutes* **:***seconds locale*

**Explanation:** Information Message

**CTG6416I The next statistics interval reset will occur at** *reset time*

**Explanation:** Information Message

**CTG6420I Health value has been reset to 100**

**Explanation:** Information Message

**CTG6421W Health value has been set to 0**

**Explanation:** Communications problems between the Gateway daemon and CICS have caused the health value of the Gateway daemon to be set to zero. If CICS TG is configured with health reporting enabled, this has been reported to the workload manager and no new work will be sent to the Gateway daemon until the health value is reset.

**System action:** The Gateway daemon continues.

**User response:** 1. Check the logs to determine the cause of the communications problems and take corrective action. 2. Reset the health value; refer to the CICS Transaction Gateway Information Center for details.

**CTG6422I Health reporting is enabled**

**Explanation:** Information Message

**CTG6423E Health reporting cannot be enabled (rc =** *return code***, reason code =** *reason code* **)**

**Explanation:** The configuration file contains the setting healthreporting=ON, indicating that the state of communications between the Gateway daemon and CICS should be reported to the TCP/IP workload manager. An error with return code *return code* prevents the Gateway daemon calling the relevant workload manager service.

**System action:** The Gateway daemon continues. Health reporting is not enabled.

**User response:** The return and reason codes are documented in MVS Programming Workload Services SA22-7619-15. If the problem persists, contact your service organization.

**CTG6425I Health reset was requested**

**Explanation:** Information Message

**CTG6426E Unable to communicate with the MVS workload management services (rc =** *return code***, reason code =** *reason code* **)**

**Explanation:** The configuration file contains the setting healthreporting=ON, indicating that the state of communications between the Gateway daemon and CICS is reported to the TCP/IP workload manager. The Gateway daemon is unable to report its status to MVS workload management services because a call to the IWM4HLTH service failed with return code *return code* and reason code *reason code* .

**System action:** The Gateway daemon process continues.

**User response:** Investigate the cause of the problem. The return and reason codes are documented in MVS Programming Workload Services SA22-7619-15.

**CTG6427E The version of z/OS does not support MVS workload management health reporting**

**Explanation:** z/OS version 1.8 or above is required for MVS workload management health reporting. Refer to the CICS Transaction Gateway Information Center for details of supported levels of z/OS.

**System action:** The Gateway daemon process continues. Health reporting is not enabled.

**User response:** Install the CICS Transaction Gateway on a system with a version of z/OS that supports MVS workload management health reporting, or remove the setting healthreporting=ON from the configuration file.

**CTG6481I -keyringpw=<keyring_pw> - keyring password for use with the ssl protocol**

**Explanation:** Information Message

**CTG6482I -keyring=<keyring> - keyring for use with the ssl protocol**

**Explanation:** Information Message

**CTG6483I -sslport=<port_number> - SSL port for ssl protocol**

**Explanation:** Information Message

**CTG6484W 'keyringpw' parameter ignored as supplied without keyring parameter**

**Explanation:** The keyringpw parameter has been supplied without a keyring parameter also being specified.

**System action:** CICS Transaction Gateway ignores the keyringpw parameter and continues the startup process.

**User response:** In order to use SSL both the keyring and keyringpw parameters must be specified.

**CTG6485I** **Successfully started handler for the** *protocol* **: protocol on port** *port***, bound to address** *address*

**Explanation:** Information Message

**CTG6486W** **Console input has been disabled**

**Explanation:** The Gateway daemon was unable to read from the console so console input has been disabled. The Gateway daemon cannot be shut down from the console.

**System action:** The Gateway daemon continues with console input disabled.

**User response:** To shut down the Gateway daemon on z/OS, enter an MVS MODIFY command specifying the SHUT action. To quiesce the Gateway daemon on Multiplatforms, use the ctgadmin command specifying the shut action.

**CTG6488E** **Gateway daemon is shutting down, so rejecting the request**

**Explanation:** A request has been flowed to the CICS Transaction Gateway. This is not allowed while the Gateway daemon is shutting down.

**System action:** The Gateway daemon continues processing outstanding work during the shutdown process.

**User response:** Check with your System Administrator as to when the CICS Transaction Gateway will be available again.

**CTG6490I** **Normal shutdown of Gateway daemon started by** *user or systems management program*

**Explanation:** Information Message

**CTG6491I** **Number of active clients is** *INSERT-0*

**Explanation:** Information Message

**CTG6492I** **Number of active connections at immediate shutdown request was** *INSERT-0*

**Explanation:** Information Message

**CTG6493I** **Q or - for normal shutdown**

**Explanation:** Information Message

**CTG6494I** **I for immediate shutdown**

**Explanation:** Information Message

**CTG6495E** **No cipher suites available for use by SSL connection**

**Explanation:** None of the cipher suites specified in the configuration file are available for use by the CICS Transaction Gateway.

**System action:** The SSL protocol handler fails to start.

**User response:** Ensure that the configuration file specifies only cipher suites that are available to the level of Java used by the CICS Transaction Gateway.

**CTG6497W** **Cipher suite** *cipher* **is not available for SSL connections**

**Explanation:** The specified cipher suite *cipher* cannot be used by the CICS Transaction Gateway for SSL connections.

**System action:** The handler continues to start using the cipher suites that are supported.

**User response:** Correct the cipher suites in the configuration file and restart the Gateway daemon to remove this warning message.

**CTG6498W** **Provided password was not used to access ESM key ring**

**Explanation:** A password has been specified using the keyringpw parameter in the configuration file ctg.ini, at the same time as the esmkeyring parameter.

**System action:** The protocol handler is started but the password provided is not used to try and read the key ring from the ESM provider.

**User response:** Remove the keyringpw parameter if the key ring is stored in an ESM implementation, or the esmkeyring parameter if the key ring file is stored in the HFS.

**CTG6499E** **The CICS Transaction Gateway does not support the use of SystemSSL**

**Explanation:** A protocol string for either SystemSSL or SystemHTTPS is in the configuration file ctg.ini.

**System action:** The Gateway daemon continues but does not start the specified protocol handler.

**User response:** Migrate to JSSE-based SSL and HTTPS handlers and then remove the protocol strings from the configuration file, either manually or by loading the file into the Configuration Tool and saving it.

**CTG6502I** **Initial Connection managers =** *n1*, **Maximum Connection managers =** *n2*

**Explanation:** Information Message

**CTG6505I** **Successfully created the initial connection manager and Worker threads**

**Explanation:** Information Message

**CTG6506I** **Client connected: [***connection manager* **] -** *protocol*

**Explanation:** Information Message

**CTG6507I** **Client disconnected: [***connection manager* **] -** *protocol*, **reason =** *reason*

**Explanation:** Information Message

**CTG6508I** **To shut down the Gateway daemon type**

**Explanation:** Information Message

**CTG6509I** **Immediate shutdown of Gateway daemon started by** *user or systems management program*

**Explanation:** Information Message

**CTG6510I** **TCP/IP host names will not be shown**

**Explanation:** Information Message

**CTG6511I** **Gateway daemon has shut down**

**Explanation:** Information Message

**CTG6512I** **CICS Transaction Gateway initialization complete**

**Explanation:** Information Message

**CTG6513E** **CICS Transaction Gateway failed to initialize**

**Explanation:** The CICS Transaction Gateway could not start.

**System action:** The Gateway daemon process ends with a non-zero return code.

**User response:** Check the logs for error messages and correct any reported problems.

**CTG6516W** **Outstanding work in progress: [***connection manager* **] [***count* **]**

**Explanation:** A client has disconnected from connection manager *connection manager*, but *count* work requests are still in progress.

**System action:** A connection manager will not become available to handle another connection until the work has been finished.

**User response:** Wait for requests to finish.

**CTG6518W** **Cleanups for previous requests are outstanding: [***name* **] [***count* **]**

**Explanation:** A client has disconnected from connection manager *name*, but *count* requests which require completion are still outstanding.

**System action:** The connection manager will attempt to clean up the allocated resources.

**User response:** For information only.

**CTG6524I** **Successfully started handler for the** *protocol* **: protocol on port** *port*

**Explanation:** Information Message

**CTG6525E** **Unable to start handler for the** *protocol* **: protocol, port:** *port*, **because: [***RC* **]**

**Explanation:** Where *protocol* specifies the protocol type, *port* specifies the port and *RC* specifies the cause of the error. The most likely cause is that the protocol handler is attempting to listen on a TCP/IP port that is already in use.

**System action:** The Gateway daemon is forced to stop because of *protocol* protocol handler error.

**User response:** Check the configuration settings of the protocol handler.

**CTG6526I** **Initial workers =** *count*, **Maximum workers =** *maximum*

**Explanation:** Information Message

**CTG6528W** **Outstanding work still in progress: [***name* **] [***count* **]**

**Explanation:** A client has disconnected from connection manager *name*, with work requests in progress. *count* requests have failed to finish within a reasonable time.

**System action:** The connection manager marks itself as available again.

**User response:** For information only.

**CTG6529W** **Unable to send reply to Java client: [***name* **]**

**Explanation:** The Gateway worker thread *name* was unable to send the reply to the client. This could be because the client was disconnected.

**System action:** System action is not required.

**User response:** Check if client is still running.

---

**CTG6531W Unable to disconnect idle Java client - work still in progress: [***name* **] -** *client*

**Explanation:** The client at *client* has been idle for too long, but there are still work requests in progress on its behalf.

**System action:** Connection manager did not disconnect the client.

**User response:** For information only.

---

**CTG6533E Unable to read the configuration file: [***reason* **]**

**Explanation:** Where *reason* specifies the reason for the failure.

**System action:** The Gateway stops; it will not run without a configuration file.

**User response:** Check that ctg.ini exists in the bin directory, or that the configuration file specified through the CICSCLI environment variable exists. Run the configuration tool if necessary to create a configuration file.

---

**CTG6537I Security classes will be required for all connections on all protocols**

**Explanation:** Information Message

---

**CTG6542E The CICS Transaction Gateway does not support TCPAdmin for remote administration**

**Explanation:** Configuration file ctg.ini contains entries for the TCPAdmin protocol, which is no longer supported.

**System action:** The Gateway daemon continues its initialization process.

**User response:** To prevent this message occurring in future, use the Configuration tool to open and then save your configuration file. This removes the invalid entries.

---

**CTG6543E The value specified for the** *parameter* **parameter is invalid**

**Explanation:** The specified command line parameter has an invalid value.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Ensure that the value is valid for the given parameter. Refer to the CICS Transaction Gateway Information Center for details.

---

**CTG6546W Gateway daemon startup parameter** *parameter* **will be ignored**

**Explanation:** The specified parameter was found during Gateway daemon startup. The parameter has no effect.

**System action:** The parameter is ignored. The Gateway daemon continues.

**User response:** Stop using the parameter override or remove the parameter from the configuration file.

---

**CTG6547W Gateway daemon will display symbolic TCP/IP host names in messages**

**Explanation:** The display of symbolic host names might affect system performance.

**System action:** The Gateway daemon continues processing.

**User response:** Deselect the option to display TCP/IP host names using the configuration tool, or edit the configuration file and set DNSNAMES=OFF, to avoid this. Refer to the CICS Transaction Gateway Information Center for further details.

---

**CTG6548I This command starts the CICS Transaction Gateway**

**Explanation:** Information Message

---

**CTG6549I The following command line options can be specified**

**Explanation:** Information Message

---

**CTG6550E Unable to listen on requested port**

**Explanation:** Gateway is unable to recognize port number.

**System action:** System action is not required.

**User response:** Check valid port number, protocol and server name.

---

**CTG6551E Unable to create requested connection manager and worker threads**

**Explanation:** Usually this means that the system is running low on resources.

**System action:** System action is not required.

**User response:** Reduce the number of connection manager and worker threads initially created.

---

**CTG6552E** **Connection closed because of error [***error* **] whilst accepting a connection from** *server*

**Explanation:** A connection was accepted from *server*, but a problem of type *error* occurred.

**System action:** Unable to connect.

**User response:** Check error code.

**CTG6553E** **Error reading request: [***connection manager* **]**

**Explanation:** Where *connection manager* specifies the connection manager thread.

**System action:** Unable to execute request.

**User response:** Check if connection is still available.

**CTG6554E** **Error in native method: [***worker thread* **]**

**Explanation:** Where *worker thread* specifies the worker thread.

**System action:** System action is not required.

**User response:** For information only.

**CTG6555E** **Error writing reply: [***worker thread* **]**

**Explanation:** Where *worker thread* specifies the worker thread.

**System action:** Unable to write reply.

**User response:** Check if connection is still available.

**CTG6556E** **Error copying request on local Gateway: [***error* **]**

**Explanation:** A problem has occurred in the CICS Transaction Gateway local mode support.

**System action:** The CICS Transaction Gateway is unable to process the request.

**User response:** Check the Gateway protocol settings.

**CTG6557E** **Error whilst executing request: [***name* **]**

**Explanation:** An error occurred while processing request with name [*name* ]

**System action:** System action is not required.

**User response:** Check that request is valid.

**CTG6558E** **No TCP or SSL protocol handlers defined**

**Explanation:** No TCP or SSL protocol handlers are defined in the Gateway daemon configuration file.

**System action:** The Gateway fails to start.

**User response:** Ensure that there is at least one TCP or SSL protocol handler definition in the Gateway SECTION of the configuration file.

**CTG6559E** **Unexpected exception occurred: [***type* **]**

**Explanation:** An exception of type [*type* ] occurred.

**System action:** System action is not required.

**User response:** For information only.

**CTG6560E** **Unable to accept request of type** *type* **: [***name* **]**

**Explanation:** Connection manager *name* has received a request *type* but failed to load the required class file to execute the request.

**System action:** Gateway exits and displays error message.

**User response:** Make sure that the *type* class is in the CLASSPATH of the Gateway process.

**CTG6561E** **Unable to use** *class* **class to provide security to** *name*

**Explanation:** The *class* class could not be successfully loaded to provide security to the connection from *name* .

**System action:** The connection will be closed.

**User response:** Make sure that the *class* class is in the CLASSPATH of the Gateway process.

**CTG6562E** **Connection to** *name* **rejected due to insufficient Connection managers**

**Explanation:** A connection was accepted from *name*, but a connection manager did not become available in time.

**System action:** The connection was rejected.

**User response:** Increase the maximum number of Connection managers.

**CTG6563E** *name* **protocol handler exited unexpectedly: [***description* **]**

**Explanation:** The *name* protocol handler exited due to problem *description* .

**System action:** Gateway exits and displays error message.

**User response:** Check error code.

**CTG6564W** **Restart will be attempted as the *protocol* protocol handler has been stopped because of persistent errors**

**Explanation:** The *protocol* protocol handler has been stopped because of errors on 50 consecutive socket accept calls. This can happen if the TCP/IP stack is stopped while the Gateway daemon is running. Exceptions from the failed accept attempts have been logged; the exception messages give additional information on the nature of the error.

**System action:** The Gateway daemon continues without this protocol handler. An attempt to restart the protocol handler will be made within 30 seconds. If this fails further restarts will be attempted every 30 seconds.

**User response:** Check the logged exceptions and correct the cause of the socket errors.

**CTG6565I** **-classpath=<class path> - additional entries to append to JVM class path**

**Explanation:** Information Message

**CTG6566W** **Remote client *name* timed out during SSL handshake, connecttimeout is set to *unsigned* ms**

**Explanation:** The attempted connection from the remote client timed out during the SSL handshake

**System action:** The connection is terminated

**User response:** Either check why the client was slow to complete the SSL handshake, or increase the SSL protocol handler connecttimeout value

**CTG6567I** **-requestExits=<exits> - list of classes to be used for request exit monitoring**

**Explanation:** Information Message

**CTG6568I** **-statsport=<port_number> - TCP/IP port for statistics API requests**

**Explanation:** Information Message

**CTG6569E** **Unable to open file *filename***

**Explanation:** File with name *filename* could not be opened.

**System action:** System action is not required.

**User response:** Check that file is not in use or read-only.

**CTG6570I** **Processing file *INSERT-0***

**Explanation:** Information Message

**CTG6571I** **Creating file *INSERT-0***

**Explanation:** Information Message

**CTG6572I** **Renaming file *INSERT-0* to *INSERT-1***

**Explanation:** Information Message

**CTG6573I** **Processing is complete**

**Explanation:** Information Message

**CTG6574I** **Connection logging has been disabled**

**Explanation:** Information Message

**CTG6575I** **-port=<port_number> - TCP/IP port for tcp protocol**

**Explanation:** Information Message

**CTG6576I** **-truncationsize=<number> - Maximum size of trace data blocks in bytes**

**Explanation:** Information Message

**CTG6577I** **Java details: Version=*INSERT-0* - *INSERT-1*, Path=*INSERT-2***

**Explanation:** Information Message

**CTG6578I** **-dumpoffset=<number> - Byte offset in data to start trace output**

**Explanation:** Information Message

**CTG6579I** **-stack - Switch on exception stack trace**

**Explanation:** Information Message

**CTG6580E** **The parameter *parameter* in the configuration file is unrecognized or invalid**

**Explanation:** An unknown parameter starting with the specified text was encountered in the configuration file ctg.ini.

**System action:** The Gateway daemon terminates.

**User response:** Correct the configuration file error and restart the Gateway daemon. The configuration tool can be used to correct a badly-formed configuration file.

**CTG6581E The Gateway daemon cannot continue**

**Explanation:** An error was detected.

**System action:** The Gateway daemon terminates.

**User response:** Examine any other messages and the Gateway error log to determine the cause of the error.

**CTG6582E The command line option *option* is unknown or requires a value**

**Explanation:** The command line option *option* has not been recognized or requires a value to be specified.

**System action:** The Gateway daemon terminates.

**User response:** Correct the command line option and restart CICS Transaction Gateway. To obtain a list of supported options use the '-?' command line option, or refer to the CICS Transaction Gateway Information Center.

**CTG6583I -initconnect=<number> - Initial number of connection manager threads**

**Explanation:** Information Message

**CTG6584I -maxconnect=<number> - Maximum number of connection manager threads**

**Explanation:** Information Message

**CTG6585I -initworker=<number> - Initial number of worker threads**

**Explanation:** Information Message

**CTG6586I -maxworker=<number> - Maximum number of worker threads**

**Explanation:** Information Message

**CTG6587I -trace - Enable standard trace**

**Explanation:** Information Message

**CTG6588I -noinput - Disable reading of input from the console**

**Explanation:** Information Message

**CTG6589W The adminport parameter has been ignored as the CICS Transaction Gateway for z/OS does not support it**

**Explanation:** The configuration file ctg.ini contains the adminport parameter, or the Gateway daemon was started and the -adminport command line parameter was specified. The Gateway daemon on z/OS does not support this parameter, which was ignored.

**System action:** The Gateway daemon continues its initialization process.

**User response:** To prevent this message occurring in future, remove the adminport parameter from configuration file ctg.ini.

**CTG6590I -dnsnames - Use DNS to display symbolic TCP/IP host names**

**Explanation:** Information Message

**CTG6591I Parameter overrides override those in the configuration file**

**Explanation:** Information Message

**CTG6592W Both 'CTG.INI' and 'ctg.ini' configuration files exist, using default file 'ctg.ini'**

**Explanation:** The default directory contains both uppercase and lowercase versions of the configuration file.

**System action:** The Gateway daemon will use the default file 'ctg.ini' as no configuration filename has been specified. The contents of file 'CTG.INI' will be ignored.

**User response:** To avoid this warning being issued, explicitly specify a configuration file or delete file 'CTG.INI' from the default directory. For details of how to specify a configuration file refer to the CICS Transaction Gateway Information Center.

**CTG6593I ctgstart <options> [<-j>JVMArg1 <-j>JVMArg2...] [<-c>CicscliArg1 <-c>CicscliArg2...]**

**Explanation:** Information Message

**CTG6594I -adminport=<port_number> - TCP/IP port for local administration**

**Explanation:** Information Message

**CTG6595I -tfile=<filename> - Trace file name**

**Explanation:** Information Message

**CTG6596I -x - Enable full detailed trace**

**Explanation:** Information Message

**CTG6597I The statistics API handler has not been started**

**Explanation:** Information Message

**CTG6598I** **-tfilesize=<number> - Maximum trace file size in kilobytes**

**Explanation:** Information Message

**CTG6599I** **-quiet - Disable reading/writing to/from console**

**Explanation:** Information Message

**CTG6630E** **Channel name must not be null**

**Explanation:** The channel name specified by the Java client application is null.

**System action:** The channel has not been created.

**User response:** Ensure that the channel name is not null.

**CTG6631E** **Channel name is not between 1 and 16 characters in length**

**Explanation:** The length of the channel name specified by the Java client application is not valid.

**System action:** The channel has not been created.

**User response:** Ensure that the channel name is between 1 and 16 characters in length.

**CTG6632E** **The channel name contains non-valid characters**

**Explanation:** The channel name specified by the Java client application contains characters that are not valid.

**System action:** The channel has not been created.

**User response:** Ensure that the channel name contains valid characters. Valid characters are uppercase characters (A-Z), lowercase characters (a-z), digits (0-9) and special characters < > $ @ # / % & ? ! : | \ ' = " ; . - and _.

**CTG6633E** **Container** *name* **is read-only**

**Explanation:** The Java client application attempted to modify the contents of container *name* but the container has been marked as read-only by CICS.

**System action:** The contents and CCSid of the container have not been modified.

**User response:** Ensure that the Java client application does not attempt to modify the contents of read-only containers.

**CTG6634E** **The type of container** *name* **is not supported**

**Explanation:** The specified container is of a type that is not supported by the IBM CICS Transaction Gateway Java API.

**System action:** The container has not been added to the channel.

**User response:** Ensure that the container is created using the Channel.createContainer method.

**CTG6635E** **Container** *name* **uses unsupported CCSid (***ccsid* **)**

**Explanation:** The specified container uses a CCSid that is not supported by the JVM.

**System action:** The contents of the container have not been modified.

**User response:** Ensure that the container uses a CCSid that is supported by the JVM.

**CTG6636E** **Container** *name* **already exists in channel** *name*

**Explanation:** The Java client application attempted to add or move a container to channel *name* but a container with the same name already exists in the channel. Container names must be unique within their containing channel.

**System action:** The container has not been added to the channel.

**User response:** Ensure that the name of the container does not match the name of an existing container in the same channel.

**CTG6637E** **Container** *name* **is not of data type BIT**

**Explanation:** The Java client application attempted to access or modify BIT data in the specified CHAR container.

**System action:** The contents of the container have not been modified.

**User response:** Ensure that the data type of the container matches the data type that the Java client application is attempting to access or modify.

**CTG6638E** **Container** *name* **is not of data type CHAR**

**Explanation:** The Java client application attempted to access or modify CHAR data in the specified BIT container.

**System action:** The contents of the container have not been modified.

**User response:** Ensure that the data type of the container matches the data type that the Java client application is attempting to access or modify.

**CTG6639E Container name must not be null**

**Explanation:** The container name specified by the Java client application is null.

**System action:** The container has not been created.

**User response:** Ensure that the container name is not null.

**CTG6640E Container name is not between 1 and 16 characters in length**

**Explanation:** The length of the container name specified by the Java client application is not valid.

**System action:** The container has not been created.

**User response:** Ensure that the container name is between 1 and 16 characters in length.

**CTG6641E Container name contains non-valid characters**

**Explanation:** The container name specified by the Java Client application contains characters that are not valid.

**System action:** The container has not been created.

**User response:** Ensure that the container name contains valid characters. Valid characters are uppercase characters (A-Z), lowercase characters (a-z), digits (0-9) and special characters < > $ @ # / % & ? ! : | \ ' = " ; . - and _.

**CTG6642E Container *name* not found in channel *name***

**Explanation:** The channel does not contain a container with the specified name.

**System action:** No system action.

**User response:** Ensure that the container exists in the channel.

**CTG6643E The value specified for IPIC send sessions is not valid**

**Explanation:** The value specified for the number of IPIC send sessions is not valid.

**System action:** Unable to make further requests to this instance.

**User response:** Ensure that the number of IPIC send sessions is set to a positive integer.

**CTG6650E Unable to connect to the Gateway daemon**

**Explanation:** Java Client application unable to connect to Gateway daemon.

**System action:** Java Client application is not started.

**User response:** If running the Gateway daemon, check whether the Java Client application has specified the correct parameters to connect to the Gateway daemon.

**CTG6651E Unable to connect to the Gateway daemon: [address = *IP address*, port = *port* ] [*error* ]**

**Explanation:** Where *IP address* specifies the Gateway daemon TCP/IP address, *port* specifies the TCP/IP port and *error* specifies the cause of the error.

**System action:** Java Client application is not started.

**User response:** If you are running the Gateway daemon, check to ensure that the Java Client application specifies the correct parameters when connecting to the Gateway daemon. If using the ctgadmin utility, verify that the command connects to the Gateway daemon port identified by the adminport parameter.

**CTG6652E Unable to start the Gateway daemon listener**

**Explanation:** Java Client application could not start the Gateway daemon listener.

**System action:** Java Client application is not started.

**User response:** Close this JavaGateway instance and check that Gateway daemon is correctly configured.

**CTG6653E Unable to flow request to the Gateway daemon; this JavaGateway instance has been closed**

**Explanation:** The Gateway daemon is unreachable.

**System action:** Close this JavaGateway instance.

**User response:** Check if the connections to the Gateway daemon still exist.

**CTG6654E An error occurred while the Gateway daemon was closing: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** Close the Gateway daemon.

**User response:** Check error code.

**CTG6655E There was an error reading the reply: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** Unable to read the reply.

**User response:** Check error code.

**CTG6656E Incorrect data *field* received on the network connection between the Gateway daemon and client application**

**Explanation:** A data flow between the Gateway and client application is corrupted. An internal field contains the wrong data.

**System action:** The connection is closed. The Gateway daemon continues to process requests on other network connections.

**User response:** Verify that only CICS TG applications connect to the Gateway daemon port. If the problem persists, contact your service organization.

**CTG6657E Invalid CICS Transaction Gateway address specified**

**Explanation:** The Gateway daemon URL was incorrectly specified.

**System action:** Unable to connect to Gateway daemon at this address.

**User response:** Check Gateway daemon is running and address is right.

**CTG6658E Local Gateway support has been terminated**

**Explanation:** Attempts have been made to use the local mode support after the LocalJavaGateway.terminate method has been called.

**System action:** Unable to make further local mode requests.

**User response:** For information only.

**CTG6659E In use Local Gateways currently exist**

**Explanation:** The LocalJavaGateway.terminate method has been called while local mode applications are still in use.

**System action:** Wait for requests to finish.

**User response:** For information only.

**CTG6660E Error copying reply: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** Unable to copy reply.

**User response:** Check error code.

**CTG6661E Cannot change JavaGateway properties when the JavaGateway instance is open**

**Explanation:** A call to a JavaGateway.set method has been made, after the JavaGateway has been opened.

**System action:** System action is not required.

**User response:** Close JavaGateway instance.

**CTG6662E This JavaGateway instance is already open**

**Explanation:** This JavaGateway instance is already open in the Java Client application.

**System action:** System action is not required.

**User response:** Close this JavaGateway instance.

**CTG6663E Cannot open a JavaGateway instance when no protocol has been specified**

**Explanation:** No protocol classes have been requested by the Java Client application.

**System action:** Unable to make further requests to this instance.

**User response:** Check that the Java Client application specifies a valid protocol parameter.

**CTG6664E Protocol *protocol* not supported**

**Explanation:** The JavaGateway URL specified an unsupported protocol.

**System action:** The JavaGateway object is not initialized.

**User response:** Ensure the Gateway URL is of the form 'protocol://host', where *protocol* is a supported protocol name. Refer to the CICS Transaction Gateway Information Center for details of supported protocols.

**CTG6665E This JavaGateway instance has been closed**

**Explanation:** The JavaGateway instance was closed by the Java Client application.

**System action:** Unable to make a further request to this instance.

**User response:** Start new JavaGateway instance.

**CTG6666E Unable to flow request to the Gateway daemon: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** Unable to make further requests to this instance.

**User response:** Check error code.

**CTG6667E Error writing request: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** Unable to write further requests to this instance.

**User response:** Check error code.

---

**CTG6668E Initial handshake flow failed: [***error* **]**

**Explanation:** Caused by *error*

**System action:** Unable to make initial handshake; hence unable to make requests.

**User response:** Check error code.

---

**CTG6669E JavaGateway cannot open as must specify both client-side and server-side security classes**

**Explanation:** Th server application needs security.

**System action:** Unable to make requests because of lack of security.

**User response:** Specify both client and server side security classes.

---

**CTG6670E Exception occurred in the Gateway daemon: [***error* **]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** System action is not required.

**User response:** Check error code.

---

**CTG6671E This JavaGateway instance has yet to be opened**

**Explanation:** The Java Client application has not opened a new JavaGateway instance yet.

**System action:** System action is not required.

**User response:** Open JavaGateway instance before making requests.

---

**CTG6672E One or more of the SSL protocol properties have not been defined**

**Explanation:** The Java Client application must specify both the SSL_PROP_KEYRING_CLASS and SSL_PROP_KEYRING_PW properties when attempting to establish an SSL connection to the CICS Transaction Gateway. The connection is not created.

**System action:** System action is not required.

**User response:** Change the application to specify both required properties and then retry.

---

**CTG6673E SocketConnectTimeout cannot be less than 0**

**Explanation:** An attempt has been made to set socket connection timeout with a negative value. The existing value has not been updated.

**System action:** System action is not required.

**User response:** Ensure the socket connect timeout is only either a positive value or zero.

---

**CTG6674E Flow to the Gateway daemon was interrupted**

**Explanation:** The Java thread was interrupted while flowing a request to the Gateway daemon.

**System action:** System action is not required.

**User response:** Inspect the Java Client application to identify where Thread.interrupt() might be invoked. If the problem persists, contact your service organization with a Java Client application trace.

---

**CTG6685E Java system property** *property name* **is set to unknown value** *value*

**Explanation:** CICS Transaction Gateway did not recognize the value of the specified Java system property.

**System action:** The Channel object throws an exception and does not create a Container object.

**User response:** Check that the Java system property has been correctly defined.

---

**CTG6686E Unable to initialize JNI library: [***error* **]**

**Explanation:** The ctgjni library could not be initialized.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** The associated error gives more information about the cause. If the error indicates a problem locating the JNI library, ensure that it is available on the path shown by the error. If there was a security exception, ensure that the library has the correct access privileges. If the EXCI is unavailable, check the JNI log for further details. If the resource manager could not be started, check the JNI log for further details. After the error has been resolved start the CICS Transaction Gateway.

---

**CTG6687E Key ring was tampered with, or password was incorrect**

**Explanation:** Unable to import key ring.

**System action:** System action is not required.

**User response:** Ensure correct key ring and password has been provided.

---

**CTG6699E Failed to open statistics connection: [***error* **]**

**Explanation:** *error* specifies the cause of the failure.

**System action:** Unable to make statistics requests.

**User response:** Check error code.

---

**CTG6703E** **CICS Request: Load of native library** *DLL name* **failed with** *error*

**Explanation:** Where *error* specifies the Java error.

**System action:** Unable to load native library.

**User response:** If running on z/OS.e, this message indicates that you have specified the local: protocol. Specify a remote protocol; the local: protocol is not supported on z/OS.e. On operating systems other than z/OS.e, check that the specified native library is available. Also check that the CICS TG application classes on the CLASSPATH are the same version as the native library specified.

---

**CTG6704I** **BMS Map Converter**

**Explanation:** Information Message

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**CTG6705E** *key* **is not a valid AID key**

**Explanation:** The exit key parameter indicated was not a valid AID value. Valid AID keys are enter, clear, PF1 - 24, and PA1 - 3.

**System action:** Unable to execute command.

**User response:** Check if AID key is valid.

---

**CTG6706I** **Classes will be created in package** *package*

**Explanation:** Information Message

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**CTG6707I** **ScreenHandler beans will be generated**

**Explanation:** Information Message

---

**CTG6708I** **Use this command to generate Map classes from BMS Map files**

**Explanation:** Information Message

---

**CTG6709I** **Arguments: <-p packagename > <-b> <-k exitAID> bmsfile1 bmsfile2 ...**

**Explanation:** Information Message

---

**CTG6710I** **Processing file** *filename* **...**

**Explanation:** Information Message

---

**CTG6714W** **CICS Request: Cics_Rc** *return code* **not recognized**

**Explanation:** CICS Server return code *return code* is not valid.

**System action:** System action is not required.

**User response:** Check if Cics_Rc is valid.

---

**CTG6717E** **CICS Request: an attempt to convert from a C byte array to a Java String failed using the specified code page (***code page* **) for the conversion**

**Explanation:** The code page specified for the conversion was *code page* .

**System action:** A CICS Request attempted to convert between a C byte array and a Java String. The code page being used for the conversion was *code page* .

**User response:** Check user code page.

---

**CTG6719E** **CICS Request: Java default character encoding not obtained: [***error* **]**

**Explanation:** An attempt was made to obtain the Java default character encoding. *error* specifies the Java error.

**System action:** System action is not required.

**User response:** Check the return Java error.

---

**CTG6733W** **ECIRequest: The Commarea outbound length is greater than Commarea_Length**

**Explanation:** The amount of data sent from the Java client to the CICS Transaction Gateway, is greater than the size of the Commarea given to CICS.

**System action:** System action is not required.

**User response:** Specify larger Commarea.

---

**CTG6734W** **ECIRequest: The Commarea inbound length is greater than Commarea_Length**

**Explanation:** The amount of data sent to the Java client from the CICS Transaction Gateway, is greater than the size of the Commarea given to CICS.

**System action:** System action is not required.

**User response:** Specify larger Commarea.

---

**CTG6736E** **ECIRequest: Message Qualifier is invalid, outside of range -32767 to 32767**

**Explanation:** An invalid message qualifier parameter has been provided.

**System action:** None.

**User response:** Correct the value passed for message qualifier in the method invocation.

---

**CTG6737I** **XA transaction support is enabled**

**Explanation:** Information Message

---

**CTG6738I XA transaction support is not enabled**

**Explanation:** Information Message

**CTG6740E ECIRequest: Commarea outbound length is larger than the maximum Commarea length**

**Explanation:** Commarea outbound length can never be greater than 32768

**System action:** System action is not required.

**User response:** Check if Commarea outbound length is not greater than 32768

**CTG6749E ESIRequest: Userid, Password or Server Name too long**

**Explanation:** Either the Userid, Password or Server Name entered is longer than required.

**System action:** System action is not required.

**User response:** Re-enter the correct Userid, Password or Server name.

**CTG6755E EPIRequest: size field limited to data.length**

**Explanation:** The size field may not exceed the length of the data array.

**System action:** System action is not required.

**User response:** Specify larger data array.

**CTG6762W termIndex: 0xFFFF is invalid for calls that are not to a local Gateway**

**Explanation:** Unless using a local Gateway, it is invalid to attempt to get an event without specifying a termIndex, since you may obtain events intended for other terminal resources.

**System action:** System action is not required.

**User response:** Specify a termIndex.

**CTG6764E The Gateway daemon does not support running in 64-bit mode**

**Explanation:** The Gateway daemon was invoked under a 64-bit JVM.

**System action:** This message is logged and the Gateway daemon fails to start.

**User response:** Configure the Gateway daemon to use a non-64-bit JVM and restart the Gateway daemon. The JVM used by the Gateway daemon is configured using the ctgjava command on Windows platforms, or using the PATH environment variable on other platforms. Ensure the correct level of Java is available on your system and the location of Java is configured as appropriate.

**CTG6765E The Gateway daemon is unable to load the CICS TG JNI native library DLL** *name* **; the reason for the load failure is :** *reason*

**Explanation:** The Gateway daemon Java classes are unable to load the CICS TG JNI native library DLL.

**System action:** This message is logged. The Gateway daemon fails to start.

**User response:** This might be because of a corrupted installation. Reinstall CICS Transaction Gateway. If the problem persists, generate a diagnostic trace of the Gateway daemon during startup and contact your service organization.

**CTG6770E ECIRequest: Invalid Call_Type**

**Explanation:** Invalid call type passed to ECIRequest

**System action:** System action is not required.

**User response:** Check call type.

**CTG6771E ECIRequest: Commarea outbound length is negative**

**Explanation:** Commarea outbound length must always be a positive integer.

**System action:** Could not create a Commarea outbound length of this size; default length is set.

**User response:** Check if Commarea outbound length is a positive integer.

**CTG6772E ECIRequest: eci_timeout value is negative**

**Explanation:** eci_timeout can only be 0 or a positive integer.

**System action:** Could not set ECI timeout; default timeout is set.

**User response:** Check if eci_time is a positive integer.

**CTG6773E ECIRequest: COMMAREA inbound length is negative**

**Explanation:** The Java client application attempted to set the inbound COMMAREA length to a value less than zero.

**System action:** The inbound COMMAREA length is not modified.

**User response:** Ensure that the Java client application does not attempt to set a negative inbound COMMAREA length.

**CTG6774E No JavaGateway or EPIGateway instance has been associated with this terminal**

**Explanation:** An attempt to connect a terminal failed as no JavaGateway or EPIGateway instance has been associated with that terminal instance.

**System action:** None.

**User response:** Create and Configure a JavaGateway or EPIGateway instance and use the appropriate methods or constructors to associate this instance with the instance of the terminal.

**CTG6775E Your created terminal cannot use these extended connect methods, as it is not an extended terminal**

**Explanation:** An attempt to use the extended Connect Methods on a terminal has failed. The Extended Connect methods can only be used on extended terminal instances.

**System action:** None.

**User response:** Use the standard connect method or create an extended terminal instance if you want to use the extended connect methods.

**CTG6776E CicsCpRequest: unable to convert the CICS code page to a Java encoding: [***error* **]**

**Explanation:** An attempt to convert a CICS code page to a Java format, (for example, 850 to Cp850), failed. *error* is the Java error.

**System action:** System action is not required.

**User response:** Check the Java error and the CICS Code page.

**CTG6777E Security Exception: return code *RC* from *method* call**

**Explanation:** Return code *RC* was received when attempting to invoke a security type method *method*

**System action:** None.

**User response:** Look up the return code to determine the cause of failure.

**CTG6779E Cannot find equivalent CCSid for encoding**

**Explanation:** A Java encoding was specified for a terminal, but no equivalent host CCSid is known for this encoding.

**System action:** None.

**User response:** Check the documentation for the list of allowed Java encodings that have equivalent CCSid values.

**CTG6780E EPIRequest: Invalid Call_Type**

**Explanation:** Invalid call type passed to EPIRequest.

**System action:** System action is not required.

**User response:** Check call type.

**CTG6781E EPIRequest: Invalid event**

**Explanation:** Invalid event passed.

**System action:** System action is not required.

**User response:** Check event.

**CTG6782E EPIRequest: Invalid termIndex: 0xFFFF**

**Explanation:** It is invalid to attempt to get an event without specifying a termIndex, since you may obtain events intended for other terminal resources.

**System action:** System action is not required.

**User response:** Specify a termIndex.

**CTG6783E EPIRequest: termIndex *index* does not exist**

**Explanation:** Where *index* is the invalid termIndex.

**System action:** System action is not required.

**User response:** Check that termIndex is available and unique to this connection.

**CTG6784E EPIRequest: termIndex *index* belongs to another connection**

**Explanation:** Where *index* is the invalid termIndex.

**System action:** System action is not required.

**User response:** Check that termIndex is unique to this connection.

**CTG6785E EPIRequest: EPI Initialization failed: [***error* **]**

**Explanation:** Where *error* is the error.

**System action:** Exit application.

**User response:** For information only.

**CTG6786I There are no free terminals available**

**Explanation:** Information Message

**CTG6787E** **Exception [***exception* **] occurred while attempting to load classes from the path:** *path*

**Explanation:** An exception occurred while screen handler beans where being loaded from the path specified. Possible causes are: the class path is incorrect, a screen handler bean did not have a public constructor , a file or directory could not be accessed.

**System action:** System action is not required.

**User response:** Check if class path exist and classes are available.

**CTG6788E** **Exception [***exception* **] occurred while attempting to load the class:** *class name*

**Explanation:** An exception occurred while the specified class was being loaded. Possible causes are: the class could not be found, the class did not have a public constructor.

**System action:** System action is not required.

**User response:** Check exception and that class is available and has a public constructor.

**CTG6789E** **An exception has occurred:** *exception*

**Explanation:** Where *exception* is the exception.

**System action:** System action is not required.

**User response:** Check where exception has occurred.

**CTG6790E** **Too much data received from CICS**

**Explanation:** More data was returned by CICS than could be handled.

**System action:** The error is returned to the application.

**User response:** If the problem persists, contact your service organization.

**CTG6792E** **Null transaction ID parameter passed to Terminal.send**

**Explanation:** If a transaction ID parameter is passed to send, it must be a valid string.

**System action:** System action is not required.

**User response:** Check if a valid transaction ID is given.

**CTG6793E** **The terminal is in the wrong state for the requested action**

**Explanation:** An action was requested when the terminal was in the wrong state, for example: disconnect while the terminal was not idle.

**System action:** Wait and try again after a fixed period of time.

**User response:** Wait and try again after a period of time.

**CTG6794E** **Cursor could not be set to row** *row number***, column** *column number* **- out of range**

**Explanation:** Either the row *row number* or the column *column number* are off the screen.

**System action:** System action is not required.

**User response:** Check if either the row or the column are out of range.

**CTG6795E** **Unsupported datastream received from CICS - command is** *command*

**Explanation:** The datastream received from CICS could not be parsed.

**System action:** System action is not required.

**User response:** For information only.

**CTG6796E** **Transaction** *transaction* **failed, return code** *RC*

**Explanation:** Transaction *transaction* failed to start, did not complete, or timed out.

**System action:** None.

**User response:** Check the Read Timeout value for the terminal if the transaction timed out. Check the Client and CICS server logs for more information on why the transaction failed.

**CTG6797E** **Failed to delete terminal**

**Explanation:** Terminal could not be deleted.

**System action:** Wait, then try again.

**User response:** Check if terminal is still in use.

**CTG6798E** **Unknown attribute type** *type*

**Explanation:** The attribute type *type* is not supported.

**System action:** System action is not required.

**User response:** Check attribute type.

**CTG6799E** **Return code** *RC* **from** *method name* **call**

**Explanation:** The EPI call *method name* returned the return code *RC* .

**System action:** System action is not required.

**User response:** Check return code; if it is not 0 than check for error.

**CTG6803I User ID and password authentication is enabled for EXCI**

**Explanation:** Information Message

**CTG6806E Register with RRS failed with return code =** *rc* **for name =** *name*

**Explanation:** The return code from the RRMS resource manager registration call (crggrm). The return code is in hexadecimal.

**System action:** CICS Transaction Gateway processing continues. Extended logical unit of work requests fail to start.

**User response:** If the return code is non-zero, contact your service organization for more information and diagnosis, or refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. Common failing return codes are: 300 - CRG_RM_NAME_INVALID - The resource manager name is invalid. If the CICS TG registers as an unauthorized resource manager a .IBM.UA suffix is required. Refer to the CICS Transaction Gateway Information Center for details on which configurations the CICS TG registers as unauthorized and which characters are valid in an RM name.

**CTG6807E Set exitcode with RRS has return code =** *rc* **for name =** *name*

**Explanation:** This displays the return code from the RRMS set exit information call (crgseif). The return code is in hexadecimal.

**System action:** If the return code is non-zero the Gateway daemon which encountered the problem fails to start.

**User response:** If the return code is non-zero, contact your service organization for more information and diagnosis, or refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken.

**CTG6808E Authorize user ID/password with RACF for User ID =** *userid* **has return code =** *rc*, **errno =** *error number*, **errno2 =** *reason code*

**Explanation:** If a zero length password is given then the return code is -2, otherwise this displays the return code from the __passwd call used to authenticate the user ID and password. If the return code is not zero then errno and errno2 were set by the call.

**System action:** If the return code is non-zero, a return code of ECI_SECURITY_ERROR will be returned to the application.

**User response:** If the return code is non-zero, refer to the C/C++ Run-Time Library Reference book, and refer to the section describing the __passwd() call. More detail on the reason code can be found in the UNIX System Services Messages and Codes book. Typical return codes: 111 - EACCES - The password was not authorized. 121 - EINVAL - The user ID or password was invalid. 143 - ESRCH - The user ID was unknown or not defined to the kernel. 157 - EMVSERR - The __passwd is not supported in an address space where a load was done from an uncontrolled library. 163 - EMVSSAFEXTRERR - The user ID access has been revoked. 164 - EMVSSAF2ERR - Internal processing error. 168 - EMVSEXPIRE - The password has expired. 169 - EMVSPASSWORD - The new password was not valid, or did not meet the installation-exit requirements.

**CTG6815E Retrieve Side Information Fast failed with RRM return code =** *rc*

**Explanation:** The call to Retrieve Side Information Fast (atrrusf) failed with the specified return code. The return code is in hexadecimal.

**System action:** A system error is returned on the associated ECI request.

**User response:** Refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. If the problem persists, contact your service organization.

**CTG6816E Retrieve Current Context Token failed with RRM return code =** *rc*

**Explanation:** The call to Retrieve Current Context Token (ctxrcc) failed with the specified return code. The return code is in hexadecimal.

**System action:** A system error is returned on the associated ECI request.

**User response:** Refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. If the problem persists, contact your service organization.

**CTG6817E Switch Context failed with RRM return code =** *rc*

**Explanation:** The call to Switch Context (ctxswch) failed with the specified return code. The return code is in hexadecimal.

**System action:** A system error is returned on the associated ECI request.

**User response:** Refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. If the problem persists, contact your service organization.

**CTG6818E Begin Context failed with RRM return code =** *rc*

**Explanation:** The call to Begin Context (ctxbegc) failed with the specified return code. The return code is in hexadecimal.

**System action:** A system error is returned on the associated ECI request.

**User response:** Refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. A common failing return code is: 756 - CTX_AUTH_FAILURE - The resource manager is PKM 8-15 problem state and specified a resource manager token that does not belong to a PKM 8-15 problem state resource manager registered in the home address space. This might indicate that the CICS TG was unable to register correctly to RRMS. Look for a CTG6806E or CTG9202E message at startup for further details the registration error.

---

**CTG6819E End Context failed with RRM return code =** *rc*

**Explanation:** The call to End Context (ctxendc) failed with the specified return code.

**System action:** A system error is returned on the associated ECI request.

**User response:** Refer to the z/OS MVS Programming: Resource Recovery book, for details of the return code and any corrective action which should be taken. If the problem persists, contact your service organization.

---

**CTG6820E Error in zos_GetPlatformStr function with return code =** *rc*

**Explanation:** The call to zos_GetPlatformStr has failed with the specified return code and information. This is an internal error.

**System action:** CICS Transaction Gateway processing continues.

**User response:** If the problem persists, contact your service organization.

---

**CTG6823E EXCI DPL_REQUEST specific error: RESP value =** *response code*, **RESP2 value =** *response code 2*, **Abend Code =** *abend code*, **Cics_Rc =** *rc*

**Explanation:** A request failed with a DPL specific error. The error codes returned by the DPL_REQUEST are displayed.

**System action:** An error is returned to the Java Client application.

**User response:** Refer to the CICS External Interfaces Guide for further information on the error.

---

**CTG6824E Attempt to change JNI trace filename while trace is running**

**Explanation:** An attempt was made to change the JNI trace filename whilst trace was running.

**System action:** This message is logged. Tracing continues to the previous filename.

**User response:** Deactivate JNI trace before changing the filename. If you want to enable JNI tracing when the CICS Transaction Gateway starts, ensure that you set the trace parameters only once. For example, do not specify both an environment variable setting and a Java directive setting.

---

**CTG6827E Error message from CICS:** *cics_error*

**Explanation:** An error message has been returned directly from the CICS region, and is displayed.

**System action:** CICS Transaction Gateway processing continues.

**User response:** Refer to the CICS Messages and Codes section within the CICS Transaction Server Information Center for details of the error.

---

**CTG6869E Change trace file name failed for filename =** *file name*

**Explanation:** An attempt to change the JNI Trace file name to *file name* has failed.

**System action:** A TFileException is thrown. CICS Transaction Gateway processing continues. JNI tracing continues using the existing file name.

**User response:** User code should handle the exception. Check that the file name is valid and can be written to.

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**CTG6871I Message no longer used**

**Explanation:** Information Message

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**CTG6872I Message no longer used**

**Explanation:** Information Message

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**CTG6873E Already initialized**

**Explanation:** EXCI connection reuse has already been initialized.

**System action:** The CICS Transaction Gateway will return an ECI_ERR_SYSTEM_ERROR error.

**User response:** Contact your service organization for more information and diagnosis.

---

**CTG6875W** **EXCI warning: Function Call =** *function*, **Response =** *response*, **EXCI Reason =** *return code*, **Subreason field-1 =** *return code*, **subreason field-2 =** *return code*

**Explanation:** An EXCI call has returned a warning.

**System action:** CICS Transaction Gateway processing continues.

**User response:** Diagnose the warning by referring to the CICS External Interfaces Guide.

---

**CTG6876E** **EXCI error: Function Call =** *function*, **Response =** *response*, **EXCI Reason =** *return code*, **Subreason field-1 =** *return code*, **subreason field-2 =** *return code*, **ctg_rc=***error*

**Explanation:** An EXCI call has returned an error.

**System action:** CICS Transaction Gateway processing continues.

**User response:** Diagnose the error by referring to the CICS External Interfaces Guide.

---

**CTG6877E** **Unknown trace message number** *number*

**Explanation:** The trace message is undefined for this JNI trace point.

**System action:** JNI tracing continues.

**User response:** Contact your service organization.

---

**CTG6878E** **Surrogate check failed with SURROGCHK=yes set in DFHXCOPT: EXCI Reason =** *return code*, **Subreason field-1 =** *return code*, **subreason field-2 =** *return code*

**Explanation:** The surrogate user check has failed. The MVS External Security Manager's return code and reason code are subreason codes 1 and 2.

**System action:** The ECI request is rejected.

**User response:** Check whether SURROGCHK has been set to YES in DFHXCOPT, and that the credentials are accurate.

---

**CTG6881W** **Authorize userid/password with RACF: Return code =** *rc*, **errno =** *error number*, **errno2 =** *reason code*

**Explanation:** The result of the dummy call to pthread_security_np made during initialization. This displays the return code from the authorization call, and the system error number.

**System action:** This call should never have a zero return code, but if it does, the change of userid will be cancelled and processing continues.

**User response:** This should always be a non-zero return code. If it is zero, and the problem persists, contact your service organization.

---

**CTG6882E** **CICS TG currently holds** *total* **pipes, but no pipe available during an attempt to open a pipe to server** *server name*, **because no free receive sessions were available**

**Explanation:** An attempt has been made to open a pipe. The target CICS system associated with the pipe has no free receive sessions. The server name field *server name* identifies the target CICS server specified on the ECI call.

**System action:** The call fails, and DFHXCURM (replaceable) is invoked. If the target CICS system is changed by DFHXCURM the change will not be reflected by the text of this message.

**User response:** Retry the request to CICS when the system is under less load. Review the Receivecount setting of the CICS session definition.

---

**CTG6883E** **Call to make address space non-swappable failed with return code =** *rc*, **errno =** *error number*, **errno2 =** *reason code*

**Explanation:** The error number and error reason will indicate the cause of the failure. Detailed descriptions of these errors can be found in the z/OS C/C++ Run-Time Library Reference under the __mlockall() library function. If the user ID running the CICS Transaction Gateway does not have READ access to BPX.STOR.SWAP, errno is set to 139 - EPERM - and the reason code 0X9300000.

**System action:** The CICS Transaction Gateway has been unable to make the address space non-swappable and continues to run in a swappable mode.

**User response:** If the problem persists, contact your service organization.

---

**CTG6888W** **There are** *remaining* **pipes remaining out of a total of** *total* **available EXCI pipes**

**Explanation:** This message is output when approximately 90% of available pipes are in use.

**System action:** The message is logged and the CICS Transaction Gateway continues.

**User response:** If you have not planned your system for the pipe usage to be as high at this point, consider increasing the number of pipes available to the CICS Transaction Gateway. Alternatively set the environment variable CTG_PIPE_REUSE to ONE which can reduce pipe usage in some circumstances. Refer to the CICS Transaction Gateway Information Center for more details.

**CTG6889W All of the available EXCI pipes are in use**

**Explanation:** This message is output when all the available pipes are in use.

**System action:** The message is logged and the CICS Transaction Gateway continues.

**User response:** If the CICS Transaction Gateway attempts to allocate any more pipes, requests will start to fail with resource shortage errors. If you are not expecting all pipes to be in use at this point, consider increasing the total number of pipes available to the CICS Transaction Gateway. Alternatively, the CICS Transaction Gateway offers a choice of pipe caching models, which can reduce pipe usage in some circumstances. Refer to the CICS Transaction Gateway Information Center for more details.

**CTG6890I EXCI pipe usage has dropped**

**Explanation:** Information Message

**CTG6891E EXCI pipe limit value** *num pipes* **is out of range so the default value will be used**

**Explanation:** This message is logged if the value specified to CICS for the maximum number of EXCI pipes is outside the allowed range (100 to 250).

**System action:** This message is logged, the maximum number of EXCI pipes available is assumed to be the default of 100 and the CICS Transaction Gateway continues.

**User response:** Reconfigure the maximum number of pipes under CICS to a value within the allowed range.

**CTG6896E Unexpected return code** *return code* **for IEANTRT call so unable to determine EXCI logon limit**

**Explanation:** This message is logged if a call to the z/OS name token retrieval service fails with an unexpected error. The name of the assembler service call which failed is IEANTRT and *return code* is the value this call returned. Refer to the z/OS Assembler Services reference for details on IEANTRT return codes.

**System action:** This message is logged and the maximum number of EXCI pipes available is assumed to be the default of 100. The CICS Transaction Gateway continues.

**User response:** If this message persists, or a value other than the default has been specified for the maximum number of concurrent pipes, contact your service organization.

**CTG6898I** *number pipes* **EXCI pipes are available for use by the CICS Transaction Gateway**

**Explanation:** Information Message

**CTG6899E Unable to start JNI trace, filename** *filename* **errno** *errno*

**Explanation:** The CICS Transaction Gateway could not open trace file *filename* for writing. *errno* is the operating system return code for the failure.

**System action:** This message is logged and tracing is deactivated. No trace points will be written.

**User response:** Investigate why the CICS Transaction Gateway cannot to write to *filename* . For example, check that the user ID under which the CICS Transaction Gateway is running has write access to the file and directory specified.

**CTG6981I Successfully initialized JNI library**

**Explanation:** Information Message

**CTG6982E The Gateway daemon version** *version* **is unable to load JNI DLL** *name* **for a different version** *version*

**Explanation:** The version of the CICS TG JNI native library is different from the version of the Gateway daemon java classes.

**System action:** This message is logged. The Gateway daemon fails to start.

**User response:** This might be because of a corrupted installation. Reinstall the CICS Transaction Gateway. If the problem persists, contact your service organization.

**CTG6983E Initialization failed because the CICS TG Java client application classes version** *version* **attempted to load JNI DLL** *name* **version** *version*

**Explanation:** The CICS TG Java classes are from a different release, compared to the CICS TG JNI DLL.

**System action:** This error is thrown to the Java client application. Subsequent calls to the CICS TG API will fail.

**User response:** Ensure the version of the CICS TG JNI referred to in the Java library path is the same as the CICS TG jar files in the application's CLASSPATH. The CICS TG application trace can be used to display the java library path setting used.

**CTG6984E** **Initialization failed because the CICS TG Java client application classes are unable to load the CICS TG JNI native library file** *name* **from the specified library path; the reason for the load failure is :** *reason*

**Explanation:** A Java client application is unable to load the CICS TG JNI native library.

**System action:** This error is returned to the Java client application. Subsequent CICS TG API calls fail.

**User response:** Check that the CICS TG bin directory exists in the library path. Use the CICS TG application trace to display the current java library path setting.

**CTG6999E** **Unable to open configuration file** *filename* **: [***reason* **]**

**Explanation:** The Gateway daemon was unable to open configuration file *filename* due to *reason* .

**System action:** The Gateway daemon is not started.

**User response:** Ensure that the specified configuration file exists and that the file permissions are sufficient for the Gateway daemon to read it.

**CTG8200E** **No message available for message ID** *ID*

**Explanation:** The message ID indicated could not be located within the message file.

**System action:** No action has been taken.

**User response:** Contact your service organization with the message ID.

**CTG8201E** **Unable to open a connection to Gateway daemon on port** *port* **: exception message =** *exception*

**Explanation:** An exception was thrown when trying to open a connection to the Gateway daemon on the specified port. The exception message is provided.

**System action:** The requested action cannot be completed.

**User response:** The exception may provide more information into the problem.

**CTG8202E** **Exception occurred trying to authenticate with gateway** *gateway* **: exception message =** *exception*

**Explanation:** An exception was thrown when trying to authenticate the client with the Gateway daemon at the specified URL. The exception message is provided.

**System action:** The requested action cannot be completed.

**User response:** The exception may provide more information into the problem.

**CTG8203E** **Unexpected gateway rc=***RC* **trying to authenticate with gateway** *gateway*

**Explanation:** An unexpected return code was received when trying to authenticate the client with the Gateway daemon at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** The return code may provide more information into the problem.

**CTG8204E** **Gateway** *gateway* **has security protocols in place not recognized by this program**

**Explanation:** CTGAdmin cannot handle the security protocols in place on the Gateway daemon at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** Obtain a later version of ctgadmin.jar, or disable the protocols at Gateway *gateway* .

**CTG8205E** **Unknown security protocol** *protocol* **in gateway** *gateway* **reported a failure rc=***RC*

**Explanation:** The indicated security protocol, unknown to CTGAdmin, reported a failure of the specified return code.

**System action:** The requested action cannot be completed.

**User response:** Obtain a later version of ctgadmin.jar, or disable the protocols at Gateway *protocol* .

**CTG8206E** **Unexpected gateway rc=***RC* **trying to send request to gateway** *gateway*

**Explanation:** An unexpected return code was received trying to send the request from the authenticated client.

**System action:** The requested action cannot be completed.

**User response:** The return code may provide more information into the problem.

**CTG8207E** **Unable to initialize with authenticated gateway** *gateway* **: rc =** *RC*

**Explanation:** An unexpected return code was received trying to initialize with the Gateway daemon from an authenticated client at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** The return code may provide more information into the problem.

**CTG8208E Exception occurred trying to send request to gateway *gateway* : exception message = *exception***

**Explanation:** An exception was thrown when trying to send a request from an authenticated client to the Gateway daemon at the specified URL. The exception message is provided.

**System action:** The requested action cannot be completed.

**User response:** The exception may provide more information into the problem.

**CTG8209E Unexpected rc=*RC* sending request to gateway *gateway***

**Explanation:** An unexpected return code was received trying to send a request to the Gateway daemon from an authenticated client at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** The return code may provide more information into the problem.

**CTG8210E The Gateway *gateway* reports no management server located**

**Explanation:** The Gateway daemon at the specified URL was unable to locate its management server.

**System action:** The requested action cannot be completed.

**User response:** Obtain a trace from the Gateway daemon and contact your service organization.

**CTG8211E The gateway *gateway* sent back information which this client cannot read**

**Explanation:** CTGAdmin cannot handle information sent by the Gateway daemon at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** Ensure that the Java level on the Java client is at least as high as that on the Gateway daemon. Also check that you have the latest version of ctgadmin.jar installed.

**CTG8212E Option *a-option* or *msg-option* must be specified**

**Explanation:** One of the mandatory options was not specified.

**System action:** The requested action cannot be completed.

**User response:** Reissue the command, specifying one of the mandatory options.

**CTG8213E An unexpected error occurred processing option *option***

**Explanation:** An unexpected error occurred when processing the specified option.

**System action:** The requested action cannot be completed.

**User response:** Contact your service organization.

**CTG8214E Option *option* cannot be specified more than once**

**Explanation:** The specified option appears more than once in the request; this is not allowed.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8215E Option *option* is not valid**

**Explanation:** The specified option is not recognized.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8216E Option *option* must be prefixed with -**

**Explanation:** A parameter was provided but did not start with a minus sign.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8217E Unexpected internal error**

**Explanation:** An unexpected internal error occurred.

**System action:** The requested action cannot be completed.

**User response:** If the problem persists, contact your service organization.

**CTG8218I The command completed successfully**

**Explanation:** Information Message

**CTG8219E Action *action* specified is not valid**

**Explanation:** CTGAdmin did not recognize the specified action.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again. Refer to help for a list of valid actions.

---

**CTG8220E** **No recognized options for action** *action* **specified**

**Explanation:** This action requires options, but no valid ones were specified.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8221E** **Parameter for option** *option* **must be numeric**

**Explanation:** The parameter for the specified option was not a number and is required to be a number.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8222E** **Option** *option*, **parameter** *parameter* **outside range of** *min* **-***max*

**Explanation:** The parameter for the specified option was not within the range specified by *min -max* .

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8223E** **Cannot specify the option fulldatadump with dumpoffset or truncationsize**

**Explanation:** For the trace action you cannot specify the fulldatadump option with the dumpoffset option or the truncationsize option.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again. Specify fulldatadump if you want the complete contents of the dump. Specify dumpoffset, or truncationsize, or both, if you want a partial dump.

---

**CTG8224E** **IP address or host name not authorized for gateway** *gateway*

**Explanation:** The client machine is not authorized to perform administrative commands on the specified URL.

**System action:** The requested action cannot be completed.

**User response:** Check that the host from which you are issuing the command appears in the list of authorized hosts at the Gateway daemon that you are attempting to administer (configuration tool, TCPAdmin panel).

---

**CTG8225E** **Option** *option*, **parameter** *parameter* **is below minimum value of** *min*

**Explanation:** The parameter for the specified option was too low and cannot be used.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8226E** **Gateway daemon does not accept administration requests on port** *port*

**Explanation:** The specified port does not refer to the local Admin port but refers to a standard TCP protocol handler.

**System action:** The requested action cannot be completed.

**User response:** specify the port for the local admin handler and reissue the request.

---

**CTG8227E** **Exception returned from gateway** *gateway* **: exception message =** *exception*

**Explanation:** An exception was returned from the Gateway daemon at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** The exception message will provide more information on the problem.

---

**CTG8228E** **Specified option(s)** *option* **unknown for requested action**

**Explanation:** The specified option is not recognized.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8229E** **Unexpected rc=***RC* **trying to authenticate with gateway** *gateway*

**Explanation:** An unexpected return code was received when trying to authenticate the client with the Gateway daemon at the specified URL.

**System action:** The requested action cannot be completed.

**User response:** The return code may provide more information into the problem.

---

**CTG8230E The gateway *gateway* sent back an exception that this client cannot read**

**Explanation:** The Gateway daemon at the URL specified tried to send an exception back which cannot be handled by CTGAdmin.

**System action:** The requested action cannot be completed.

**User response:** Ensure that the Java level on the Java client is at least as high as that on the Gateway daemon. Also check that you have the latest version of ctgadmin.jar installed.

**CTG8231E JNI Trace file name must be specified**

**Explanation:** For the trace action, the jnifile option was specified but no parameter was given. A parameter must be specified.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8232I CTGAdmin performed no action**

**Explanation:** Information Message

**CTG8233E Cannot specify *action* and its short form *abreviation* together**

**Explanation:** You entered options for an action, but at least one of the options has been specified in its full form and its short form. This is equivalent to specifying the same option twice.

**System action:** The requested action cannot be completed.

**User response:** Correct the request by specifying either the full version of the option or its short form.

**CTG8234I Immediate shutdown was requested**

**Explanation:** Information Message

**CTG8235I Normal shutdown was requested**

**Explanation:** Information Message

**CTG8236E Option *option*, unexpected parameter specified**

**Explanation:** The option specified had an associated parameter, but the option doesn't require a parameter.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8237E The use of tfile or tf is not supported on z/OS**

**Explanation:** The CICS Transaction Gateway does not support setting the Gateway trace file through SDSF.

**System action:** The Gateway daemon continues running.

**User response:** If trace is required to go to a specific file, specify the file in the configuration file used when the Gateway daemon starts.

**CTG8238E The use of jnifile or jf is not supported on z/OS**

**Explanation:** The CICS Transaction Gateway does not support setting the JNI trace file through SDSF.

**System action:** The Gateway daemon continues running.

**User response:** If JNI trace is required to go to a specific file, specify the file in the CTG_JNI_TRACE environment variable.

**CTG8239I Response received from CICS Transaction Gateway**

**Explanation:** Information Message

**CTG8240E Cannot specify multiple options for stats action**

**Explanation:** The 'stats' action accepts only one of the '-gs', '-si', '-rg' options.

**System action:** The requested action cannot be completed

**User response:** Correct the request and try again

**CTG8241W IDs *ids* not recognized**

**Explanation:** A request for statistical information specified one or more IDs that do not exist.

**System action:** The requested action completes.

**User response:** Correct the IDs and try again.

**CTG8242W ID *id* specified multiple times**

**Explanation:** ID *id* was specified more that once in a request for statistics.

**System action:** The requested action completes.

**User response:** Remove the duplicate ID to remove this message.

**CTG8243W Statistic *id* is part of resource group *resource group***

**Explanation:** The command contained a request for statistic *id* and its resource group *resource group*

**System action:** The requested action completes and the results for *resource group* are displayed.

**User response:** Remove either the statistic ID or the resource group ID and rerun the command.

**CTG8244W Unable to retrieve statistic *id***

**Explanation:** An error occurred in the CICS TG while attempting to retrieve statistic *id*

**System action:** The requested action completes.

**User response:** Check the CICS TG error logs for details of the error.

**CTG8245W Unable to retrieve all statistics for resource group *id***

**Explanation:** An error occurred in the CICS TG while retrieving one or more statistics as part of the request for statistics in resource group *id* .

**System action:** The requested action completes.

**User response:** Check the CICS TG error logs for details of the error.

**CTG8246E The administration request was sent to an incorrect Gateway daemon port**

**Explanation:** The administration request was rejected as it was sent to an incorrect Gateway daemon port.

**System action:** The requested action cannot be completed.

**User response:** Resend the request to the Gateway daemon port identified by the adminport parameter.

**CTG8247W Null response received from Gateway daemon during *dump type* dump request**

**Explanation:** The Gateway daemon received the dump request but returned a null response

**System action:** The Gateway daemon returned an invalid response to the dump request, which might not be completed.

**User response:** Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

**CTG8248E The *dump type* dump type is unsupported in the remote JVM**

**Explanation:** The remote JVM executing the Gateway daemon does not support the *dump type* dump type.

**System action:** The requested action cannot be completed.

**User response:** Correct the request by requesting a dump type supported by the remote JVM.

**CTG8249E The Gateway daemon encountered a serious error while processing *dump type* dump type (Response code=*response* )**

**Explanation:** The request to the Gateway daemon completed but an error was detected.

**System action:** The Gateway daemon returned an error during the dump request, which might not be completed.

**User response:** Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

**CTG8250I The Gateway daemon successfully processed the *INSERT-0* dump request**

**Explanation:** Information Message

**CTG8251E An invalid response was returned from the Gateway daemon during *dump type* dump request**

**Explanation:** The Gateway daemon received the dump request but returned an invalid response

**System action:** The Gateway daemon returned an invalid response to the dump request, which might not be completed.

**User response:** Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

**CTG8268I Invoking dump request**

**Explanation:** Information Message

**CTG8269I Dump request complete**

**Explanation:** Information Message

**CTG8270W Statistical type *ids* not recognized**

**Explanation:** A request for statistical information specified one or more statistical types that do not exist.

**System action:** The invalid types are ignored and the requested action completes. If the statistical type list contained no valid statistical types then all results will be displayed.

**User response:** Correct the specified statistical types and try again.

---

**CTG8273E The '-all' dump option cannot be combined with other dump options**

**Explanation:** If the '-all' dump option is specified it must be the only option.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

---

**CTG8274W Some dump types are unsupported in the remote JVM**

**Explanation:** The remote JVM executing the Gateway daemon does not support some dump types.

**System action:** The requested action completes, but some dump types are not performed.

**User response:** Check the Gateway daemon log for earlier messages indicating which dump types are unsupported.

---

**CTG8275E Cannot communicate with the Windows Service Control Manager (Error Code=***error code* **)**

**Explanation:** An error occurred during communications with the Windows Service Control Manager. The Windows OpenSCManager function returned the specified error.

**System action:** The requested action does not succeed.

**User response:** If the problem persists, contact your service organization.

---

**CTG8276E Insufficient security permissions to communicate with the CICS TG service**

**Explanation:** The current user has insufficient authority for the administration of Windows Services.

**System action:** The requested action does not succeed.

**User response:** Check the Windows application event log for further information on the error. Ensure that the current user has the required level of authority.

---

**CTG8277E Cannot communicate with the CICS TG service (Error Code=***error code* **)**

**Explanation:** An error occurred during communications with the IBM CICS Transaction Gateway service. The Windows OpenService function returned the specified error.

**System action:** The requested action does not succeed.

**User response:** Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

---

**CTG8278E Cannot start the CICS TG service (Error Code=***error code* **)**

**Explanation:** An error occurred while the IBM CICS Transaction Gateway service was starting. The Windows Service Control Manager returned the specified error.

**System action:** The requested action does not succeed.

**User response:** Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

---

**CTG8279I The CICS TG service is already started**

**Explanation:** Information Message

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**CTG8280E The CICS TG service failed to start (Error Code=***error number*, *error code* **), check the Windows application event log**

**Explanation:** An error occurred while the IBM CICS Transaction Gateway service was starting. The service returned the specified error.

**System action:** The requested action does not succeed.

**User response:** Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

---

**CTG8281I The CICS TG service is starting**

**Explanation:** Information Message

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**CTG8282E The CICS TG service failed to start (Windows error code=***error code* **), check the Windows application event log**

**Explanation:** An error occurred while the IBM CICS Transaction Gateway service was starting. Windows returned the specified error.

**System action:** The requested action does not succeed.

**User response:** Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

---

**CTG8283E The message identifier** *message identifier* **is not recognized**

**Explanation:** The message identifier was not specified in the correct format.

**System action:** The requested action cannot be completed.

**User response:** Correct the message identifier and try again.

**CTG8284I** **IBM CICS Transaction Gateway Desktop Edition Informational Dump V***Product Version* **Build Level** *Build Level Dump Data*

**Explanation:** Information Message

**CTG8285I** **IBM CICS Transaction Gateway Informational Dump V***Product Version* **Build Level** *Build Level Dump Data*

**Explanation:** Information Message

**CTG8286I** **Informational dump complete**

**Explanation:** Information Message

**CTG8287I** **Logging of CICS Messages is enabled**

**Explanation:** Information Message

**CTG8288W** **Message from CICS server** *Server* **:** *Message*

**Explanation:** A message has been returned from the named CICS server.

**System action:** CICS Transaction Gateway logs this message and processing continues.

**User response:** Refer to the Information Center for the CICS server for details about the message.

**CTG8289E** **Could not enable; request monitoring exits already active**

**Explanation:** Attempted to activate request monitoring exits, but request monitoring exits are already active.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8290E** **Could not enable; no request monitoring exits defined**

**Explanation:** Attempted to activate request monitoring exits, but request monitoring exits are not defined in the configuration.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8291E** **Could not disable; request monitoring exits already inactive**

**Explanation:** Attempted to deactivate request monitoring exits, but request monitoring exits are already inactive.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8292E** **Could not disable; no request monitoring exits defined**

**Explanation:** Attempted to deactivate request monitoring exits, but request monitoring exits are not defined in the configuration.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8293I** **Request monitoring exits enabled**

**Explanation:** Information Message

**CTG8294I** **Request monitoring exits disabled**

**Explanation:** Information Message

**CTG8295E** **Cannot specify multiple options for rmexit action**

**Explanation:** The 'rmexit' action accepts only one of the 'command', 'enable', 'disable' options.

**System action:** The requested action cannot be completed.

**User response:** Correct the request and try again.

**CTG8400I** **Using configuration file** *filename*

**Explanation:** Information Message

**CTG8401I** **The following cipher suites are available for the SSL protocol handler:**

**Explanation:** Information Message

**CTG8402I** **Request Monitoring Exit** *class_name* **is enabled**

**Explanation:** Information Message

**CTG8403E** **Request monitoring exit** *class_name* **failed to initialize with exception** *exception_message*

**Explanation:** During initialization the request monitoring exit *class_name* failed with exception *exception_message* .

**System action:** The Gateway daemon or Java Client classes will continue to initialize with the exit disabled.

**User response:** Correct the error in the exit identified by the *exception_message* and restart the Gateway daemon to enable this exit.

**CTG8404I JSSE version unknown**

**Explanation:** Information Message

**CTG8405I JSSE provider info:** *INSERT-0*

**Explanation:** Information Message

**CTG8406E Request Monitoring Exit** *class_name* **has failed with exception** *exception_message* **while processing** *exit_event* **event**

**Explanation:** The request monitoring exit *class_name* failed with exception *exception_message* when the exitFired method was called for event *exit_event* .

**System action:** Processing continues with the exit disabled.

**User response:** Correct the error in the exit identified by the *exception_message* and restart the Gateway daemon to enable this exit.

**CTG8407I -applid=<applid> - the Gateway daemon APPLID**

**Explanation:** Information Message

**CTG8408I -applidqualifier=<qual> - the Gateway daemon APPLID qualifier**

**Explanation:** Information Message

**CTG8409E** *Stream* **log is defined but an output destination has not been specified**

**Explanation:** The specified log handler has failed to start. The destination has not been specified.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Check the configuration file to ensure that the destination is specified correctly and has valid parameters.

**CTG8410E** *Stream* **log is configured to an unknown destination**

**Explanation:** The specified log handler has failed to start. The destination is either unknown, or unsupported on this platform.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Check the configuration file to ensure that the destination is specified correctly and has valid parameters.

**CTG8411E Logging to file is not supported on z/OS**

**Explanation:** The file logging handler has failed to start because it is unsupported on this platform.

**System action:** This message is written to the error stream. The log stream that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Correct the configuration file to use a log handler that is supported on this platform.

**CTG8412E** *Stream* **log to** *destination* **has missing parameters**

**Explanation:** The specified log failed to start because expected parameters are missing.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Add the parameters which are missing, and ensure that they have valid values.

**CTG8413E** *Stream* **log to** *destination* **has an invalid value for parameter** *parameter name*

**Explanation:** The specified log failed to start because the value supplied for the specified parameter is outside the permitted range.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Correct the value of the specified log parameter in the configuration file.

**CTG8414E** *Stream* **log unable to write to file:** *name*

**Explanation:** The log to file failed to start because it was unable to write to the specified file.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Check that the file system is not full, and that the CICS Transaction Gateway has the necessary permissions to write to the file.

**CTG8415W Log to file has mismatched parameter:** *parameter***, so using largest value (***value* **) to continue**

**Explanation:** Both information and error log streams are configured to log to the same file, but have different parameters specified for the file properties.

**System action:** This message is written to the error

stream. The file handler will start using the larger of the two values.

**User response:** The reason gives more information about the mismatched parameters. Correct the configuration file by either specifying different filenames for the two log streams, or ensure that both streams have the same parameters if you want to log both streams to the same file.

---

**CTG8416W Unknown log stream:** *stream*

**Explanation:** An incorrect log stream was specified.

**System action:** This message is written to the error stream.

**User response:** Check the configuration file to ensure the log stream is specified correctly. Refer to the CICS Transaction Gateway Information Center for details of the supported stream types.

---

**CTG8417I The statsrecording parameter is not specified so SMF Recording is not enabled**

**Explanation:** Information Message

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**CTG8418W The statsrecording parameter has been ignored as it is not valid on this platform**

**Explanation:** The configuration file ctg.ini contains the statsrecording parameter. This parameter is only supported on the z/OS platform.

**System action:** The Gateway daemon continues its initialization process.

**User response:** To prevent this message occurring in future, remove the statsrecording parameter from configuration file by loading the file into the Configuration Tool and then saving it, or by editing the file in a text editor.

---

**CTG8419I SMF Recording is not enabled**

**Explanation:** Information Message

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**CTG8420E The CICS Transaction Gateway does not support HTTP protocols**

**Explanation:** Either the HTTP or HTTPS protocol handler is specified in the configuration file.

**System action:** The Gateway daemon continues, but does not start the handler for the specified protocol.

**User response:** Migrate to the TCP or SSL handlers, and then remove references to the protocol from the configuration file by loading the file into the Configuration Tool and then saving it, or by editing the file in a text editor.

---

**CTG8421I SMF Recording is enabled**

**Explanation:** Information Message

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**CTG8422E The Gateway daemon failed to initialize the SMF recording facility with an internal exception** *exception*

**Explanation:** An internal error occurred in the logic that intializes SMF recording.

**System action:** The Gateway daemon will continue to run. Statistics will not be recorded to SMF.

**User response:** If the problem persists, contact your service organization.

---

**CTG8423E An internal exception** *exception* **occurred whilst processing data for an SMF record**

**Explanation:** An internal error occurred in the logic that processes data to send to SMF.

**System action:** The Gateway daemon will continue to run. The current set of statistics will not be written to SMF and the data will be lost. The Gateway daemon will continue to attempt to write to SMF.

**User response:** If the problem persists, contact your service organization.

---

**CTG8424E The command line override** *parameter* **is only supported on z/OS**

**Explanation:** The command line override 'parameter' was specified when starting a Gateway daemon on a platform that is not z/OS. The parameter is only supported on z/OS.

**System action:** This message is logged and the Gateway daemon fails to start.

**User response:** Restart the Gateway daemon without specifying the command line override.

---

**CTG8425E The** *name* **parameter exceeds the maximum length of** *len* **characters**

**Explanation:** Parameter 'NAME' has a maximum length of 'LEN' characters. This has been exceeded.

**System action:** This message is output and the Gateway daemon fails to start.

**User response:** Reconfigure the parameter to be within the allowed limit and restart the Gateway.

---

**CTG8426I The APPLID is** *APPLID*

**Explanation:** Information Message

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**CTG8427I** **The APPLID qualifier is** *APPLID qualifier*

**Explanation:** Information Message

**CTG8428I** **Client connection associated with connection manager** *connection manager* **has client APPLID** *client APPLID* **and qualifier** *client APPLID qualifier*

**Explanation:** Information Message

**CTG8429I** **Established new IPIC connection to CICS server** *CICS Server name as defined in the INI file.* **with: negotiated session limit=***Number of simultaneous sessions allowed on this connection***, CICSAPPLID=***APPLID of the CICS server.* **CICSAPPLIDQUALIFIER=***APPLID qualifier of the CICS server.***, HOSTNAME=***Host name used when connecting to CICS.***, PORT=***Port number used when connecting to CICS.***, sockets=***Number of sockets used by this connection*

**Explanation:** Information Message

**CTG8430I** **Closed IPIC connection to CICS server** *CICS Server name as defined in the INI file.*

**Explanation:** Information Message

**CTG8431E** **Handshake failure for IPIC connection to CICS server** *server name* **response code=***CICS response code***, reason=***reason* **[***numeric reason code* **]**

**Explanation:** The physical socket connection was established, but CICS rejected the connection.

**System action:** Any requests that were attempting to use the CICS server *server name* will fail with ECI_ERR_NO_CICS. Requests received after this point will also fail until the server retry interval has expired, at which point the connection will be tried again.

**User response:** Check that the IPIC server *server name* is defined correctly in the ctg.ini file (remote mode) or Server URL (local mode) and check the reason text *reason* . Also check the console log for the CICS server and topic "DFHIS1011" in the CICS Transaction Server Information Center for an explanation of the reason.

**CTG8432W** **CICS has purged IPIC conversation** *conversation ID* **to CICS server** *server name* **with mirror task** *task***, Transaction ID:** *XID or IPIC LUW token (if relevant)*

**Explanation:** The CICS connection defined as *server name* has been purged at the CICS end. This has caused all work on that connection to be aborted. The work can be identified with the transaction token *XID or IPIC LUW token (if relevant)* and mirror transaction *task* .

**System action:** CICS Transaction Gateway ends the work and frees each purged conversation to CICS.

**User response:** No user response required.

**CTG8433E** **Connection failure for IPIC connection to CICS server** *server name* **reason =** *reason text*

**Explanation:** The physical socket connection could not be established to the target CICS server.

**System action:** Any requests that were attempting to use the CICS server *server name* will fail with ECI_ERR_NO_CICS. Requests that are received after this point will also fail until the server retry interval has expired, at which point the connection will be tried again.

**User response:** Check that the IPIC server is defined correctly in the ctg.ini file (remote mode) or server URL (local mode) and check the reason text *reason text* .

**CTG8434E** **IPIC server** *server name* **configuration parameter error; Reason:** *reason text*

**Explanation:** There is an error in the specified IPIC server definition in the configuration file.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Edit the configuration file to correct the IPIC server definition. Refer to the CICS Transaction Gateway Information Center for details of the IPIC server parameters.

**CTG8435W** **Duplicate IPIC Server Definition** *server name* **in ctg.ini**

**Explanation:** The named IPIC server definition is a duplicate of another definition within the ctg.ini file.

**System action:** The Gateway daemon will ignore the duplicate server definition.

**User response:** Check that the IPIC server is defined correctly in the ctg.ini file.

**CTG8436W** **An IPIC Server Definition in the INI file is not of the form SECTION IPICSERVER=NAME**

**Explanation:** The IPIC Server definition was not created properly in the configuration file.

**System action:** The Gateway will ignore the server definition.

**User response:** Check that each IPIC server is defined correctly in the INI file.

**CTG8437I Shutdown statistics:**

**Explanation:** Information Message

**CTG8438W The initial number of worker threads is greater than maximum number of worker threads**

**Explanation:** The value specified for the initial number of worker threads in the configuration settings is greater than the value specified for the maximum number of worker threads.

**System action:** The initial number of worker threads is reset to be the value of maximum number of worker threads.

**User response:** Adjust the configuration settings to ensure that the value of the initial number of worker threads (initworker) is set less than or equal to the value of the maximum number of worker threads (maxworker).

**CTG8439W The initial number of connection manager threads is defined to be greater than the maximum number of connection manager threads**

**Explanation:** The value specified for the initial number of connection manager threads in the configuration settings is greater than the value specified for maximum number of connection manager threads.

**System action:** The initial number of connection manager threads is reset to be the value of maximum number of connection manager threads.

**User response:** Adjust the configuration settings to ensure that the value of the initial number of connection manager threads (initconnect) is set less than or equal to the value of the maximum number of connection manager threads (maxconnect).

**CTG8440E Duplicate Logical CICS Server definition** *server name* **detected in the configuration file**

**Explanation:** The Logical CICS server definition is a duplicate of another definition in the configuration file

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit the configuration file to define unique Logical CICS server definitions

**CTG8441E Multiple definitions of** *property name* **detected in the configuration file at line** *line number*

**Explanation:** The configuration file contains more that one definition for the property

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit the configuration file to correct the duplicate property

**CTG8442W Both the statsport parameter and the configuration for statistics API handler are specified**

**Explanation:** The configuration file contains the statsport configuration parameter and the configuration for the statistics API handler

**System action:** The CICS Transaction Gateway starts using the configuration for the statistics API handler

**User response:** Edit the configuration file to remove the statsport parameter

**CTG8443E A logical CICS server definition in the configuration file is not specified in the correct format: SECTION LOGICALSERVER=NAME**

**Explanation:** The logical CICS server definition is not specified correctly in the configuration file.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Check that each logical CICS server is defined correctly in the configuration file.

**CTG8444E Multiple SERVER fields in logical CICS server definition** *server name*

**Explanation:** The definition for the logical CICS server contains multiple SERVER definitions.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Correct the definition in the configuration file to contain a single SERVER definition.

**CTG8445E Error reading logical CICS server definition** *server name* **from the configuration file: Reason =** *reason*

**Explanation:** An error occurred while reading the logical CICS server definition.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Check that the logical CICS server is defined correctly in the configuration file.

**CTG8446E CICS Request Exit** *name* **failed to initialize with exception** *message*

**Explanation:** During initialization the CICS request exit *name* failed with exception *message*

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Correct the error identified by the exception *message* and restart the CICS Transaction Gateway

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**CTG8447I** **CICS Request exit** *name* **installed successfully**

**Explanation:** Information Message

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**CTG8448I** **Command line options updated** *property* **to be** *value*

**Explanation:** Information Message

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**CTG8449E** **Unexpected configuration parameter** *property* **at line** *line number* **in the configuration file**

**Explanation:** The configuration parameter *property* is unknown, is in the wrong section or is unsupported on this platform.

**System action:** The CICS Transaction Gateway does not start

**User response:** Edit the configuration file to correct the error and start the CICS Transaction Gateway

---

**CTG8450E** **An ENDSECTION label is expected before line** *line number* **in the configuration file**

**Explanation:** The configuration file parser encountered the start of a new section when the previous section had not been terminated with an ENDSECTION label.

**System action:** The CICS Transaction Gateway does not start.

**User response:** Edit the configuration file to correct the error and start the CICS Transaction Gateway.

---

**CTG8451W** **Specified retry count is less than zero**

**Explanation:** The retry count specified by the CICS request exit was less than zero

**System action:** The CICS Transaction Gateway continues to start and uses zero as the retry count value

**User response:** Update the CICS request exit to specify a retry count greater than or equal to zero and restart the CICS Transaction Gateway

---

**CTG8452W** **Exception** *exception* **thrown by CICS request exit**

**Explanation:** The request failed and threw an exception in the CICS request exit

**System action:** The CICS Transaction Gateway continues and returns an error to the Java client application

**User response:** Check why the CICS request exit threw an exception and update the exit

---

**CTG8453I** **Logical CICS servers disabled due to CICS request exit configuration**

**Explanation:** Information Message

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**CTG8454E** **Value** *parameter value* **is not valid for configuration parameter** *parameter name* **at line** *line number*

**Explanation:** The configuration file parameter value is not valid

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit line *line number* of the configuration file to correct the parameter value. Refer to the CICS Transaction Gateway Information Center for details of the valid values.

---

**CTG8455I** **Successfully started the local administration handler on port** *port*

**Explanation:** Information Message

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**CTG8456I** **Successfully started the local statistics API handler on port** *port*

**Explanation:** Information Message

---

**CTG8457I** **Successfully started the local administration handler on port** *port*, **bound to address** *address*

**Explanation:** Information Message

---

**CTG8458I** **Successfully started the statistics API handler on port** *port*, **bound to address** *address*

**Explanation:** Information Message

---

**CTG8459W** **statsport parameter found in configuration file**

**Explanation:** The configuration of the statistics API handler has been increased to include the IP address to bind to and the maximum number of clients that can connect, to allow statistics API programs to connect from remote clients. The specified configuration file contains the old style configuration.

**System action:** The statistics API handler is started on the specified port and accepts requests from the loopback device only.

**User response:** Update the configuration file to use the new configuration parameters for the statistics API.

---

**CTG8460E** **Parameter** *parameter name* **on line** *line number* **of the configuration file is not supported on this platform**

**Explanation:** The configuration file parameter *parameter name* is not supported by the CICS Transaction Gateway for this platform.

**System action:** The CICS Transaction Gateway does not start.

**User response:** Refer to the CICS Transaction Gateway Information Center for details about which configuration parameters are supported on this platform. Correct the configuration file so that it does not use parameter *parameter name* and start the Gateway daemon.

---

**CTG8461I** **Successfully initialized trace plug-in** '*plug-in name* '

**Explanation:** Information Message

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**CTG8462E** **Failed to initialize trace plug-in** '*plug-in name* ' **with reason code =** '*reason code* '

**Explanation:** During initialization of the CICS Transaction Gateway trace mechanism, the trace plug-in *plug-in name* was found to be unusable.

**System action:** The CICS Transaction Gateway continues but uses the default trace plug-in, FileTrace.

**User response:** If you have been asked to use an alternative trace plug-in by IBM, then contact your service organization providing full details of the message.

---

**CTG8463E** **Section** *section name* **is not supported on this platform**

**Explanation:** The configuration file section *section name* is not supported by the CICS Transaction Gateway for this platform.

**System action:** The CICS Transaction Gateway does not start.

**User response:** Refer to the CICS Transaction Gateway Information Center for details about which configuration sections are supported on this platform. Correct the configuration file so that it does not use section *section name* and start the Gateway daemon.

---

**CTG8464W** **Information left in RRS after transaction completion for XID** *xid*

**Explanation:** An XA transaction has been sucessfully completed in CICS but Gateway information has been left in RRS.

**System action:** The CICS Transaction Gateway continues.

**User response:** Manually commit the UR in RRS that is associated with the XID listed.

---

**CTG8465E** **Multiple definitions of section type** *section name* **detected in the configuration file at line** *line number*

**Explanation:** The configuration file contains more that one definition for the *section name* section

**System action:** The CICS Transaction Gateway does not start

**User response:** Correct the configuration file so that there is only a single definition for the section *section name* .

---

**CTG8466E** **Multiple definitions of section type** *section type* **with name** *section name* **detected in the configuration file at lines** *line number* **and** *line number*

**Explanation:** The configuration file contains at least two sections of type *section type* with name *section name* .

**System action:** The CICS Transaction Gateway does not start.

**User response:** Correct the configuration file so there is only a single definition for section *section type* with name *section name* .

---

**CTG8467E** **Duplicate server definitions with name** *section type* **detected in the configuration file at lines** *line number* **and** *section name*

**Explanation:** The configuration file contains at least two server definitions with name *section type* .

**System action:** The CICS Transaction Gateway does not start.

**User response:** Correct the configuration file so there is only a single server definition with name *section type* .

---

**CTG8468W** **CICS request exit attempted to retry an XA request to server** *current server name* **having already attempted to use server** *previous server name* **which uses a different protocol**

**Explanation:** When retrying a request the CICS request exit returned a server that uses a different protocol than the CICS server the request was originally sent to.

**System action:** The request fails, an error is returned to the client application and this message written to the log.

**User response:** Update the CICS request exit to ensure that CICS servers that are used for retrying XA requests all use the same protocol as the original CICS server.

---

**CTG8469I Request monitoring is active**

**Explanation:** Information Message

---

**CTG8470E Information and error message logging to console is not supported**

**Explanation:** The Gateway daemon failed to start because a log destination of console is not supported on this platform.

**System action:** The Gateway daemon fails to start. If the error log destination is configured to use console, this is ignored and this message is written to the default error log.

**User response:** Edit the configuration file (ctg.ini) to use a file log destination.

---

**CTG8471E** *log stream* **log destination does not contain valid file**

**Explanation:** The Gateway daemon failed to start because the log destination does not specify a valid output file.

**System action:** The Gateway daemon fails to start. This message is written to the error log.

**User response:** Edit the configuration file (ctg.ini) to specify a valid file destination.

---

**CTG8472E The CICS request exit** *class_name* **has thrown an exception while processing a command event with data** *exit_event_data* **: exception =** *exception_message*

**Explanation:** The CICS request exit class has thrown an exception from the eventFired method while processing a command event.

**System action:** Processing continues.

**User response:** Review the stack trace and correct the error in the CICS request exit.

---

**CTG8473E The CICS request exit** *class_name* **has thrown an exception while processing event** *exit_event* **: exception =** *exception_message*

**Explanation:** The CICS request exit class has thrown an exception from the eventFired method while processing event.

**System action:** Processing continues.

**User response:** Review the stack trace and correct the error in the CICS request exit.

---

**CTG8474E The CICS request exit** *class_name* **does not implement method** *method_name*

**Explanation:** The specified CICS request exit class does not implement a required interface method.

**System action:** Gateway daemon initialization fails.

**User response:** Update the CICS request exit to implement the required methods of interface com.ibm.ctg.ha.CICSRequestExit or remove the CICS request exit from the Gateway daemon configuration and restart the Gateway daemon.

---

**CTG8475W The name of** *section* **section** *name* **contains characters that are not supported**

**Explanation:** The specified section has a name containing characters that are not in the set of supported characters for server definitions. Supported characters are A-Z and 0-9 and '@', '#', '$', '-'.

**System action:** The Gateway daemon continues.

**User response:** Edit the name of the specified section in the configuration file so that it contains only supported characters.

---

**CTG8476E** *Stream* **log to** *destination* **has an invalid combination of** *first parameter* **and** *second parameter* **parameters**

**Explanation:** The specified stream failed to start because the combination of values supplied for the parameters is not valid. If the 'filesize' parameter is greater than 0 then the 'maxfiles' parameter must be greater than 1.

**System action:** This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

**User response:** Correct the value of the specified log parameters in the configuration file.

---

**CTG8477I About to connect to server** *server*

**Explanation:** Information Message

---

**CTG8478E Unable to create statistics log file** *Filename*, **error:** *Error Message*

**Explanation:** CICS Transaction Gateway was unable to create the statistics log file.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Check that the file location is correctly defined and CICS Transaction Gateway has permission to write to that location.

**CTG8479I Request monitoring is not active**

**Explanation:** Information Message

**CTG8480E Unable to write to statistics log file** *Filename*, **error:** *Error Message*

**Explanation:** CICS Transaction Gateway was unable to write to the statistics log file.

**System action:** CICS Transaction Gateway continues to attempt to record statistics. Message CTG8482I is output after the next successful recording of statistics.

**User response:** Check that the file location is correctly defined and CICS Transaction Gateway has permission to write to that location.

**CTG8481I Statistics recording is enabled to statistics log file** *file name*

**Explanation:** Information Message

**CTG8482I Statistics recording successful after failure**

**Explanation:** Information Message

**CTG8483W SSL protocol handler key ring parameters are deprecated**

**Explanation:** The configuration file contains the key ring parameters in the SSL protocol handler definition. These parameters have been moved to the PRODUCT section of the configuration file.

**System action:** CICS Transaction Gateway startup continues.

**User response:** Update the configuration file to use the key ring parameters in the PRODUCT section, for more information, see the Upgrading section of the CICS Transaction Gateway information center.

**CTG8484E Conflicting SSL key ring parameters specified**

**Explanation:** The configuration file contains SSL key ring parameters in both the PRODUCT section and SSL protocol handler definition.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Update the configuration file to use the key ring parameters in the PRODUCT section, for more information, see the Upgrading section of the CICS Transaction Gateway information center.

**CTG8485E IPIC server** *server name* **cannot use SSL because no SSL key ring supplied**

**Explanation:** IPIC server *server name* is configured to use SSL but an SSL key ring has not been supplied in the PRODUCT section of the configuration file.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Update the configuration file to include the SSL key ring parameters in the PRODUCT section of the CICS TG configuration file, or configure the IPIC server with parameter ssl=no.

**CTG8486W 'ciphersuites' parameter ignored for IPIC server** *server name* **as SSL is not enabled**

**Explanation:** The ciphersuites parameter has been supplied for IPIC server *server name* but the connection is not configured to use SSL.

**System action:** CICS Transaction Gateway ignores the ciphersuites parameter and continues the startup process.

**User response:** Update the configuration file to to enable SSL for the IPIC server by specifying parameter ssl=yes in the IPICSERVER section, or remove the ciphersuites parameter from the CICS TG configuration file.

**CTG8487E No cipher suites available for use by IPIC server** *server name*

**Explanation:** None of the cipher suites specified in the configuration file for IPIC server *server name* are available for use by the CICS Transaction Gateway.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Ensure that the configuration file specifies only cipher suites that are available to the level of Java used by the CICS Transaction Gateway.

**CTG8488I The following cipher suites are enabled for IPIC server** *server name* **:**

**Explanation:** Information Message

**CTG8489I The following cipher suites are provided by JSSE:**

**Explanation:** Information Message

**CTG8490E Section definition** *section name* **at line** *line number* **of the configuration file does not define a section name**

**Explanation:** Section definition *section name* must define a section name

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit line *line number* of the configuration file to correct the section definition. Refer to the CICS Transaction Gateway information center for details of the valid values.

---

**CTG8491E Unable to read key ring** *file name* **reason =** *reason text*

**Explanation:** CICS Transaction Gateway was unable to read the key ring.

**System action:** CICS Transaction Gateway fails to start

**User response:** Check that the key ring parameters are defined correctly in the configuration file and check the reason text *reason text* .

---

**CTG8492E Definition** *parameter name* **at line** *line number* **of the configuration file requires property** *parameter name* **to be set**

**Explanation:** Definition *parameter name* must define property *parameter name* to be set to a supported value

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit line *line number* of the configuration file to correct the definition. Refer to the CICS Transaction Gateway information center for details of the valid values.

---

**CTG8493E Definition** *parameter name* **in the configuration file requires definition** *parameter name* **to be set**

**Explanation:** Definition *parameter name* requires definition *parameter name* to be set to a supported value

**System action:** The CICS Transaction Gateway fails to start

**User response:** Edit the configuration file to define the missing definition. Refer to the CICS Transaction Gateway information center for details of the valid values.

---

**CTG8600E Failed to access internal data structures**

**Explanation:** The Gateway daemon failed to access an internal data structure while attempting to allocate an EXCI pipe.

**System action:** The Gateway daemon will continue to process requests.

**User response:** If the problem persists, contact your service organization with an SDUMP of the Gateway daemon address space, Gateway daemon job log, configuration files and if available, JNI trace.

---

**CTG8601E Failed to find TCB address =***address* **in TCB table**

**Explanation:** The Gateway daemon TCB table is full. The Gateway daemon cannot allocate an EXCI pipe for the Task with address *address* .

**System action:** The Gateway daemon will continue to process requests.

**User response:** If the problem persists, contact your service organization with an SDUMP of the Gateway daemon address space, Gateway daemon job log, configuration files and if available, JNI trace.

---

**CTG8603E Lookup failure for XID entry (xmt_rc=***xmt_rc* **rc=***rc* **)**

**Explanation:** Ths CICS Transaction Gateway was unable to map an XA standard XID to a RRMS unit of recovery.

**System action:** This message is logged or traced and the CICS Transaction Gateway continues.

**User response:** If the problem persists, contact your service organization.

---

**CTG8605E Error when deleting XID entry (xmt_rc=***reason code* **xa_rc=***reason code* **)**

**Explanation:** The CICS Transaction Gateway was unable to remove a reference to the XID from the XID mapping table.

**System action:** The entry will remain in the mapping table.

**User response:** If the problem persists, contact your service organization. Recycle the CICS TG to free up the entry.

---

**CTG8607E Authorized RRS Express_UR_Interest call failed with RRMS_RC =** *rrms_rc*

**Explanation:** A call to the RRMS API (ATREINT1) failed. RRMS returned the return code *rrms_rc* . The CICS Transaction Gateway was unable to express interest in a transactional unit of recovery.

**System action:** The CICS Transaction Gateway resource adapter returns a resource manager failure error (XAER_RMERR) on the transaction. The transaction fails to start and no work can be performed against it.

**User response:** If the problem persists, contact your service organization.

---

**CTG8609E Authorization error when executing** *RRMS function* **(***auth return code* **)**

**Explanation:** In order to execute *RRMS function*, the CICS Transaction Gateway uses CTGRRMS services. Attempting to call the service failed with error *auth return code* . Return code values are: * 0x04 - Version number check failed (RRMSInit call) * 0x08 - Parameter length checks failed * 0x0C - Security check failed * 0x10 - Internal error (ASID table) * 0x14 - Function not supported

**System action:** The RRMS function is not executed and a resource manager failure error will be returned to the calling application.

**User response:** The CICS Transaction Gateway Information Center contains details on the mandatory steps required to be able to use the CTGRRMS services.

**CTG8612E RRS error when executing** *RRS function call* **(RRS rc =***RRS return code* **)**

**Explanation:** RRS call to *RRS function call* failed during RRS restart processing. The RRS return code corresponds to those defined in the 'MVS Resource Recovery Programming' manual for the function specified.

**System action:** The Gateway daemon does not start.

**User response:** Resolve the RRS error and start the Gateway daemon.

**CTG8613E Two-phase-commit Commit_Agent_UR RRS call failed with RRMS_RC =** *return code*

**Explanation:** A request to RRMS to commit a two-phase-commit XA-based transaction failed. The return code indicates that a repeated request is not likely to succeed.

**System action:** The resource adapter returns a serious error to the transaction manager for the affected transaction, which might not be completed. The CICS Transaction Gateway continues to process transactions.

**User response:** The RRMS system administrator should check the status of the transaction, and manually complete it if necessary. Check the Gateway daemon log for further messages related to this transaction.

**CTG8619E Error retrieving UR Data (RRMS_RC=***rc* **)**

**Explanation:** An error occurred while attempting to retrieve UR data from RRS.

**System action:** The Gateway daemon will continue to process requests.

**User response:** Check the CICS TG log for further RRS-related error messages. If no obvious RRS errors are found, contact your service organization with any CICS TG logs, traces and dumps.

**CTG8620E Error in GetByteArrayElements function**

**Explanation:** Unable to transfer XID data between Java and C. This would normally denote an environment issue.

**System action:** The XA request is rejected.

**User response:** Contact your service organization to resolve this problem.

**CTG8621E Error calling JNI (rc =** *reason code* **)**

**Explanation:** CICS TG has been unable to determine the XA options used on the transaction request.

**System action:** The request is rejected and no state-change is made on the transaction.

**User response:** Contact your service organization.

**CTG8624E Error during Set_Syncpoint_Controls call (RRMS_RC=***rrms_rc* **)**

**Explanation:** A request to the RRMS API set syncpoint controls failed. The Gateway daemon was unable to set itself as the correct type of syncpoint manager with RRMS in order to perform actions on a transaction.

**System action:** It might not be possible to prepare, commit or backout the transaction. In this case the resource adapter will return an error to the transaction manager. The CICS Transaction Gateway continues to process requests for other transactions.

**User response:** If the problem persists, contact your service organization.

**CTG8628I Retrieved interest in** *UR count* **units of recovery from RRS;** *in-doubt count* **are in-doubt**

**Explanation:** Information Message

**CTG8642E Error storing XID (xmt_rc =** *reason code* **)**

**Explanation:** The CICS Transaction Gateway has received a request to start a transaction, but could not store temporary information needed to identify the transaction.

**System action:** The CICS Transaction Gateway cannot start the transaction.

**User response:** If the problem persists, increase the value of the 'CTG_XA_MAX_TRAN' environment variable for the Gateway. The default value is 1000.

**CTG8643E The Gateway daemon has become unregistered as a RRMS resource manager**

**Explanation:** RRMS has been restarted whilst this instance of the Gateway daemon was running.

**System action:** All transactions through this instance of the Gateway daemon will fail.

**User response:** If not using load balancing restart this instance of the Gateway daemon. If load balancing restart every instance of the Gateway daemon in the load balancing group and restart the master process. Refer to the CICS Transaction Gateway Information Center for details on the correct shutdown and restart sequence.

**CTG8644E RRMS encountered an unexpected error whilst processing a unit of recovery (RRMS_RC=*rrms_rc* )**

**Explanation:** An RRMS API return code indicated that an unexpected error occurred whilst processing a unit of recovery, and that the transaction may have been damaged.

**System action:** The resource adapter will return a serious error to the transaction manager for the affected transaction. The CICS Transaction Gateway continues to process other transactions.

**User response:** The RRMS administrator should view the transaction and make any changes necessary.

**CTG8645E Transaction failure requires that the UR is resolved manually (RC=*rrms_rc* )**

**Explanation:** Due to an internal processing error, it is not possible for the Gateway daemon to commit, or backout a transaction.

**System action:** The resource adapter will return a serious error to the transaction manager for the transaction in question. The CICS Transaction Gateway continues to process other transactions.

**User response:** The RRMS administrator should resolve the transaction manually.

**CTG8651W RRM name exceeds maximum length of 32 characters**

**Explanation:** CTG_RRMNAME parameter exceeded 32 characters in length.

**System action:** The name is truncated to 32 characters before registering with RRMS. This message is output and the CICS Transaction Gateway continues.

**User response:** To avoid this message on startup, specify a name less than or equal to 32 characters.

**CTG8659E Unable to initialize CTGRRMS services (return code=*return code* )**

**Explanation:** To support ECI XA requests, CICS Transaction Gateway issues authorized RRS calls through CTGRRMS services. It has not been possible to enable CTGRRMS services. Return code 8 indicates that the CICS TG user ID does not have UPDATE authority to the RACF entity CTG.RRMS.SERVICE. Return code 9 indicates that ctgasi is not APF authorized. Other return codes indicate an internal error.

**System action:** This message is logged and the CICS Transaction Gateway does not start.

**User response:** If XA support is not required, set the xasupport configuration parameter to off and restart CICS Transaction Gateway. If XA support is required, refer to the CICS Transaction Gateway Information Center for information on how to start CTGRRMS services. If the return code indicates an internal error, contact your service organization.

**CTG8663W Deregister from CTG RRMS Services failed with rc = *return code***

**Explanation:** The CICS Transaction Gateway was unable to deregister from the CTGRRMS Services during the shutdown process.

**System action:** This message is logged and the CICS Transaction Gateway process ends.

**User response:** If the CTGRRMS services are to be refreshed or stopped, use the -f option, because this Gateway instance will still be shown as registered.

**CTG8665E Invalid XA commit option (*option* )**

**Explanation:** An internal error has occurred, the XA commit option specified is invalid.

**System action:** It is not possible for the CICS Transaction Gateway to commit the UR. A serious error is returned to the transaction manager.

**User response:** The RRMS administrator should resolve the transaction manually. If the problem persists, contact your service organization.

**CTG8666I ZOSENQ invoked in 64-bit mode**

**Explanation:** Information Message

**CTG8667I EXCI Support is disabled**

**Explanation:** Information Message

**CTG8668W A problem occurred while writing to the JNI trace file**

**Explanation:** The CICS Transaction Gateway encountered an error while writing to the JNI trace file.

**System action:** This message is logged and tracing is deactivated. No further trace points will be written.

**User response:** Investigate why the CICS Transaction Gateway can no longer write to the trace file. For example, check that the file system where the file is written has sufficient free space.

**CTG8669I This Gateway daemon is part of the *INSERT-0* group and is registered with RRS as *INSERT-1***

**Explanation:** Information Message

**CTG8670E The CTGMASTER_RRMNAME parameter is no longer supported**

**Explanation:** This release of the CICS Transaction Gateway does not contain a ctgmaster component. This component is no longer required for the Gateway daemon to support TCP/IP load balancing with XA. The CTGMASTER_RRMNAME parameter is not valid.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** Remove the CTGMASTER_RRMNAME variable from the configuration file. You will be required to configure the APPLIDQUALIFIER and APPLID parameters to enable XA support. Refer to the CICS Transaction Gateway Information Center for the necessary steps to migrate to the current release when using XA support with Gateway groups.

**CTG8671E The RRS function call *RRS function call* to system *System name* failed because RRS is downlevel**

**Explanation:** The Gateway daemon is unable to commit or roll back a unit of work on system *System name* because the RRS APARs which implement function call *RRS function call* are not installed on system *System name*, or the Gateway is running on an unsupported level of z/OS.

**System action:** This message is logged and the Gateway daemon continues. Units of recovery might be in an incomplete state and might need to be resolved manually.

**User response:** Check that all units of recovery associated with the Gateway in RRS are in a completed state. Check the CICS Transaction Gateway Information Center for the RRS APARS required by the CICS TG at your level of z/OS. Install the required service and restart the Gateway.

**CTG8672W Gateway daemon has received a request to resolve an RRS unit of recovery from a different Gateway group [*group name* ]**

**Explanation:** The Gateway daemon has received a request to resolve a unit of recovery from a different Gateway group. This can occur if a TCP/IP load balancer is configured to distribute requests across multiple Gateway groups.

**System action:** This message is logged, the unit of recovery is not committed or backed out, XAER_RMFAIL is returned to the application, and the Gateway daemon continues.

**User response:** Using TCP/IP load balancing to distribute requests across Gateway daemons in multiple Gateway groups is not supported, and might result in XA transactions not being recovered if a failure occurs. If you are using TCP/IP load balancing, reconfigure your system to distribute requests only across Gateway daemons within the same Gateway group.

**CTG8673E The CTG_RRMNAME parameter cannot be used when XA support is enabled**

**Explanation:** If XA support is enabled, CTG_RRMNAME cannot be specified. The RRS resource manager name is generated from the APPLID and APPLIDQUALIFIER settings in the format 'CICSTG.APPLIDQUALIFIER.APPLID' or 'CICSTG.APPLIDQUALIFIER.APPLID.UA'. Refer to the CICS Transaction Gateway Information Center for details.

**System action:** The Gateway daemon will fail to initialize.

**User response:** Remove the CTG_RRMNAME setting from your configuration, and configure the APPLID and APPLIDQUALIFIER. Refer to the CICS Transaction Gateway Information Center for details on how to migrate XA configurations.

**CTG8674E The APPLID and APPLIDQUALIFIER parameters must be specified when XA support is enabled**

**Explanation:** The Gateway daemon uses the APPLID and APPLIDQUALIFIER to create a resource manager name to register with the Remote Recovery Services (RRS). This is required for XA support.

**System action:** This message is logged. The Gateway daemon does not start.

**User response:** Configure the APPLID and APPLIDQUALIFIER parameters and restart the Gateway daemon. Refer to the CICS Transaction Gateway Information Center for details on configuring XA support.

**CTG8676E** **An XA request failed due to an error in RRS function call** *RRS function call* **to system** *System name* **(RRS rc =***RRS return code* **RRS reason=0x***RRS reason code* **CTGRRMS rc=***CTGRRMS return code* **)**

**Explanation:** The Gateway daemon is unable to commit or roll back a unit of recovery on system *System name* because a RRMS function call *RRS function call* failed. The system specified represents the LPAR to which the request was directed to and corresponds to 'System Name' in the RRS ISPF panels. The RRS return and reason codes correspond to those defined in the 'MVS Resource Recovery Programming' manual for the function specified. CTGRRMS return code is intended for the use of IBM support representatives only.

**System action:** This message is issued, an XA heuristic error is returned to the application server and the Gateway daemon continues. The unit of recovery is not committed or backed out.

**User response:** Resolve the RRS error and restart the Gateway daemon. The unit of recovery might need to be resolved manually.

---

**CTG8678E** **Authorization error in RRS function call** *RRS function* **to system** *System Name* **on logging group** *Logging Group*

**Explanation:** A request to commit or roll back a unit of work failed because the userid the Gateway daemon is running under does not have sufficient RACF permissions to issue call *RRS function* to System Name *System Name* Logging Group *Logging Group* . The userid that the Gateway daemon runs under requires ALTER access to either the MVSADMIN.RRS.COMMANDS.gname.sysname resource or the MVSADMIN.RRS.COMMANDS resource in the FACILITY class.

**System action:** The attempt to resolve the UR fails. This message is logged. The Gateway daemon continues.

**User response:** Refer to the CICS Transaction Gateway Information Center for the required privileges for XA support. Modify the RACF security manager to provide the required level of privileges and restart the Gateway daemon. The UR may be left in an incomplete state and need to be manually resolved.

---

**CTG8679E** **Error occurred when resolving an RRS transaction initiated on a remote system with RRMS_RC =** *rrms rc* **Reason=***reason* **authRc=***auth rc*

**Explanation:** The gateway daemon is attempting to resolve work that was started on another system, but cannot do so because of a failure on that system. This error is considered retryable.

**System action:** The work will remain unresolved on the target system, and the attempt will be rejected with a retryable return code.

**User response:** Check the logs on the target system for information as to why the error occurred. Common problems are that the target system is unavailable, or the user ID under which the gateway task is running does not have the required permissions to perform the action. Check the System Log on the local system for further information on the cause of the error.

---

**CTG8685E** **More than one UR was found associated with an XID during an XA request: number of URs =** *number*

**Explanation:** An XA transaction is identified by an XID. This maps directly to an RRS unit of recovery. In this case, more than one unit of recovery mapped to the XID used on an XA Request.

**System action:** The XA request will fail. Manual intervention will be required to resolve the URs.

**User response:** Check the RRMS logs for the XID and resolve the URs via the ISPF panels. The XID can be looked up via the RRS queries to find out more information about the URs and associated resource managers.

---

**CTG8687E** **Unauthorised Switch_Context failed CTXSWCH Return code RC=***rc* **LUW(***luw token* **) Context switch to(***new context* **) from(***old context* **) Call_Type =** *call type* **Extend_Mode =** *mode*

**Explanation:** An RRS context switch for a non-XA transaction has failed. The context switch failure will occur if the target RRS context is already in use by another worker thread. The CTXSWCH return code is given as a hexadecimal value and can be found in "MVS Programming: Resource Recovery" (SA22-7616).

**System action:** The Gateway daemon will continue to process requests.

**User response:** Check the CICS TG log for further RRS-related error messages that might indicate a problem with the RRS registration. The target CICS region might show mirror transactions waiting on resource type RRMSEXIT. Restarting the Gateway daemon should allow any such mirror transactions to end. If no obvious RRS registration errors are found, gather any CICS TG logs, traces, dumps and RRS errors and contact IBM Software Support.

---

**CTG8688I** **JNI has been configured to trace via DFHTREX only**

**Explanation:** Information Message

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**CTG8689E LUW token creation has failed for context token (*token* )**

**Explanation:** While processing an extended mode ECI request, CICS TG has been unable to create a new LUW token to represent the transaction.

**System action:** The current ECI request will fail. The Gateway daemon will terminate with ABEND code 1273.

**User response:** Gather any CICS TG logs, traces, dumps, and RRS errors and contact IBM Software Support. Refer to the User Response information for CICS TG ABEND code 1273 for further guidance.

**CTG8800I CTGJAVA - CICS Transaction Gateway Java location tool**

**Explanation:** Information Message

**CTG8801I CTGCFG - CICS Transaction Gateway Configuration Tool launcher**

**Explanation:** Information Message

**CTG8803I CTGADMIN - CICS Transaction Gateway Administration Tool launcher**

**Explanation:** Information Message

**CTG8804E The CICS Transaction Gateway is not installed properly**

**Explanation:** The CICS Transaction Gateway is not installed correctly. Registry keys are created at install time.

**System action:** The command line application terminates.

**User response:** Reinstall the CICS Transaction Gateway.

**CTG8805E Unable to read from the registry**

**Explanation:** The program tried to read from the registry but cannot read the appropriate registry key. This is normally caused by security settings in the registry.

**System action:** The command line application terminates.

**User response:** Get your system administrator to give read permission to the registry key HKEY_LOCAL_MACHINE\SOFTWARE\IBM\CICS Transaction Gateway.

**CTG8806E Unable to write to the registry**

**Explanation:** The program tried to write to the registry but cannot write the appropriate registry key. This is normally caused by security settings in the registry.

**System action:** The command line application terminates.

**User response:** Logon as a user who has permissions to write to either HKEY_LOCAL_MACHINE\SOFTWARE\IBM\CICS Transaction Gateway. Then repeat the command line option.

**CTG8807E Unable to find a JVM**

**Explanation:** When trying to run a Java application the application launcher was unable to find a JVM.

**System action:** The command line application terminates.

**User response:** Install a JVM, or use the CTGJAVA command to point to the Java Virtual Machine to run.

**CTG8808E Unable to find Java runtime classes**

**Explanation:** When trying to run a Java application, the Java runtime classes could not be found.

**System action:** The command line application terminates.

**User response:** Install the Java Virtual Machine (JVM) correctly.

**CTG8809E An unexpected error occurred locating a JRE**

**Explanation:** An unexpected failure occurred while attempting to retrieve the location of the JRE.

**System action:** The process terminates.

**User response:** If the problem persists, contact your service organization.

**CTG8810I Current JVM set to:** *INSERT-0*

**Explanation:** Information Message

**CTG8811I -s=filename - Specifies the JVM to use**

**Explanation:** Information Message

**CTG8812I -v - View the current JVM being used**

**Explanation:** Information Message

**CTG8813I -a - Autoconfigure the JVM**

**Explanation:** Information Message

**CTG8814I CTGJAVA - CICS Transaction Gateway Java location tool**

**Explanation:** Information Message

**CTG8815E File does not exist** *Registry string to the file.*

**Explanation:** The file specified does not exist.

**System action:** The command line application terminates.

**User response:** Specify the fully qualified path to a Java Virtual Machine.

**CTG8816I -j<argument> - argument to pass to the JVM**

**Explanation:** Information Message

**CTG8817I -c<argument> - argument to pass to the 'cicscli' command**

**Explanation:** Information Message

**CTG8818E The JVM specified is unsupported**

**Explanation:** The Java Virtual Machine pointed to by the CTGJAVA command is of an unsupported level.

**System action:** The command line application terminates.

**User response:** Specify a supported Java Virtual Machine to CTGJAVA.

**CTG8819E The currently set JVM is unsupported**

**Explanation:** When trying to run a Java application, the Java Virtual Machine was found to be of an unsupported level.

**System action:** The command line application terminates.

**User response:** Use the CTGJAVA command to point to a supported Java Virtual Machine.

**CTG8820E This application is not supported on this Operating System**

**Explanation:** The JVM detected an attempt to run an application on an unsupported operating system.

**System action:** The application terminates.

**User response:** Ensure that you are running a supported Operating System.

**CTG8821E The CICS Transaction Gateway was unable to start the Client daemon**

**Explanation:** The Client daemon must be started before the Gateway daemon. The 'ctgstart' command called 'cicscli' to start the Client daemon and the Client daemon failed to start.

**System action:** The 'ctgstart' command terminates, the Gateway daemon is not started.

**User response:** Examine any other console messages and the Client error log to determine the cause of the error.

**CTG8822E An attempt to open an internal pipe for command** *command line* **failed with return code** *rc*

**Explanation:** The operating system returned the specified error to the application.

**System action:** The command line application terminates.

**User response:** Retry the start attempt. If the problem persists, contact your service organization.

**CTG8823E The Java Virtual Machine launcher specified is unsupported**

**Explanation:** The Java Virtual Machine (JVM) launcher, javaw.exe, is unsupported.

**System action:** The command line application terminates.

**User response:** Configure the JVM launcher using the CTGJAVA utility to use "java.exe".

**CTG8824E Could not locate the <product_data_path> directory**

**Explanation:** The command line application could not determine the location of the <product_data_path>.

**System action:** The command line application terminates.

**User response:** Check the permissions of the <product_data_path> and restart the command line application.

**CTG8825E Could not change to working directory**

**Explanation:** The command line application attempted to run in the <product_data_path> directory but was unable to change to the directory.

**System action:** The command line application terminates.

**User response:** Check the permissions of the <product_data_path> and restart the command line application.

**CTG8923W Environment variable AUTH_USERID_PASSWORD is set to the incorrect value *value* ; user ID and password authentication is enabled for EXCI**

**Explanation:** The AUTH_USERID_PASSWORD environment variable contains an incorrect value. User IDs and passwords will be authenticated against the appropriate security mechanisms for requests sent to CICS over EXCI.

**System action:** User ID and password authentication is enabled for requests that use EXCI.

**User response:** Set the environment variable AUTH_USERID_PASSWORD to either YES or NO. Set this environment variable to YES to enable user ID and password authentication. Set it to NO to disable user ID and password authentication. This setting applies to all requests sent to CICS over EXCI.

---

**CTG8924W Environment variable CTG_MIXEDCASE_PW is not set; mixed-case password support is not enabled for EXCI**

**Explanation:** The CTG_MIXEDCASE_PW environment variable controls whether or not passwords are converted to upper case before authentication. It is required only if AUTH_USERID_PASSWORD is set.

**System action:** All passwords will be converted to upper case before authentication takes place.

**User response:** Set the environment variable CTG_MIXEDCASE_PW to either 'YES' or 'NO'. Set this environment variable to YES to enable mixed case passwords. Set it to NO to convert passwords to upper case. This setting applies to all requests sent to CICS over EXCI.

---

**CTG8925I Mixed case password support is enabled for EXCI (CTG_MIXEDCASE_PW=YES)**

**Explanation:** Information Message

---

**CTG8926I Mixed case password support is not enabled for EXCI (CTG_MIXEDCASE_PW=NO)**

**Explanation:** Information Message

---

**CTG8927W Environment variable CTG_MIXEDCASE_PW is set to the incorrect value *value* ; mixed-case password support is not enabled for EXCI**

**Explanation:** The CTG_MIXEDCASE_PW environment variable contains an incorrect value.

**System action:** All passwords will be converted to upper case before authentication takes place for requests that use EXCI.

**User response:** Set the environment variable CTG_MIXEDCASE_PW to either YES or NO. Set this environment variable to YES to enable mixed case passwords. Set it to NO to convert passwords to upper case. This setting applies to all requests sent to CICS over EXCI.

---

**CTG8928I User ID and password authentication is not enabled for EXCI**

**Explanation:** Information Message

---

**CTG8929W Environment variable AUTH_USERID_PASSWORD is not set; user ID and password authentication is not enabled for EXCI**

**Explanation:** The environment variable AUTH_USERID_PASSWORD controls whether or not user IDs and passwords supplied on CICS requests are authenticated for requests sent to CICS over EXCI.

**System action:** User ID and password authentication is not enabled for requests that use EXCI.

**User response:** Set the environment variable AUTH_USERID_PASSWORD to either 'YES' or 'NO'. Set this environment variable to YES to enable user ID and password authentication. Set it to NO to disable user ID and password authentication. This setting applies to all requests sent to CICS over EXCI.

---

**CTG8984E Duplicate XID found when adding entry to XID Mapping table**

**Explanation:** Whilst attempting to start an XA transaction, the given XID was found to be a duplicate of the XID of an existing transaction.

**System action:** The transaction branch is not started.

**User response:** Resolve the existing transaction in RRMS or contact your service organization.

---

**CTG8985E Maximum XA transaction limit is exceeded**

**Explanation:** The CICS Transaction Gateway could not complete the transaction because too many XA transactions are active.

**System action:** The transaction is rolled back.

**User response:** Stop the Gateway daemon process. Increase the value of the CTG_XA_MAX_TRAN environment variable, and then restart.

---

**CTG8986I** **CICS Transaction Gateway start type is** *Start Type*

**Explanation:** Information Message

**CTG8987E** **Invalid value** *Invalid value* **specified for the START parameter**

**Explanation:** The START parameter is specified with an invalid value.

**System action:** This message is output and the Gateway daemon does not start.

**User response:** Specify a valid value for START, or remove the START parameter, and restart the Gateway daemon. Refer to the CICS Transaction Gateway Information Center for valid values of START.

**CTG8989E** **The** *Handler* **protocol handler is specified with no corresponding protocol definition** *Definition*

**Explanation:** The protocol handler definition is not defined in the Gateway daemon configuration file.

**System action:** This message is output and the Gateway daemon does not start.

**User response:** Edit the Gateway daemon configuration file to specify a valid protocol handler definition.

**CTG8990E** **The required** *Handler* **protocol handler parameter** *Parameter* **is not specified**

**Explanation:** The protocol handler parameter is not defined in the configuration file or, if available, as a command line override.

**System action:** This message is output and the Gateway daemon does not start.

**User response:** Correct the configuration and retry.

**CTG8991E** *protocol handler* **protocol handler parameter** *parameter name* **value is not valid or is missing**

**Explanation:** The value of the specified protocol handler parameter is not valid or is missing.

**System action:** The Gateway daemon fails to start.

**User response:** Edit the configuration file to correct the parameter value or to add a value. Refer to the CICS Transaction Gateway Information Center for information about valid values.

**CTG8992E** **Statistics recording parameter** *parameter name* **not found**

**Explanation:** The value of the specified statistics recording parameter is missing.

**System action:** The Gateway daemon fails to start.

**User response:** Edit the configuration file to add a value. See the CICS Transaction Gateway information center for information about valid values.

**CTG9200E** **XA transactional calls have been issued out of sequence**

**Explanation:** The transaction manager has issued an XA call on a transaction, but the resource adapter cannot comply, because the transaction is not in a state that allows this request.

**System action:** The XA call is not actioned. The resource adapter returns a protocol error to the transaction manager. This message is logged, with the relevant XA and RRMS transaction identifier information.

**User response:** If the transaction manager cannot resolve the transaction, use the RRMS or transaction manager administration tools to resolve the transaction manually.

**CTG9201E** **Initialization of CICS TG internal storage failed (return code** *return code* **)**

**Explanation:** An error prevents the Gateway daemon from storing details of XA transactions.

**System action:** The Gateway daemon does not start.

**User response:** Take action according to the return code. For return code 1007, increase the amount of memory available to the Gateway daemon process, or reduce the value for CTG_XA_MAX_TRAN. For return code 1027 ensure that the CICS TG <install_path>/bin directory is on the path.

**CTG9202E** **An RRS application is already using the same resource manager name (***name* **)**

**Explanation:** An attempt is made to start a Gateway daemon, but another application is already using the resource manager name supplied. The application could be another instance of the Gateway daemon or a third party product.

**System action:** The error is logged. If XA support is on, the Gateway daemon fails to start. If XA support is off the Gateway daemon starts but extended logical units of work requests fail.

**User response:** Correct the configuration and try again. Refer to the CICS Transaction Gateway Information Center for information on resource manager names.

**CTG9208E Error in GetMethodID function**

**Explanation:** The call to GetMethodID has failed. This is an internal error.

**System action:** CICS Transaction Gateway processing continues.

**User response:** If the problem persists, contact your service organization.

**CTG9209E Error in NewByteArray function**

**Explanation:** The call to NewByteArray has failed. This is an internal error.

**System action:** CICS Transaction Gateway processing continues.

**User response:** If the problem persists, contact your service organization.

**CTG9212E The Gateway daemon userid is not authorized to access the CTGRRMS PC services**

**Explanation:** The userid under which the Gateway daemon is running does not have sufficient security privileges to access the CTGRRMS service address space.

**System action:** The Gateway daemon will terminate.

**User response:** In order to successfully initialize with xasupport=ON, the userid under which the Gateway daemon is executing must have at least UPDATE access to the profile 'CTG.RRMS.SERVICE'.

**CTG9214I The Gateway daemon is a member of a TCP/IP load balancing group with master resource manager name** *INSERT-0*

**Explanation:** Information Message

**CTG9215E CICS TG version different from the active CTGRRMS PC services**

**Explanation:** The version of the CICS Transaction Gateway being run is different from the version of the CTGRRMS service address space which is running.

**System action:** The CICS Transaction Gateway terminates.

**User response:** Ensure that the versions of the CICS Transaction Gateway and the CTGRRMS services are at the same version. Refer to the CICS Transaction Gateway Information Center for details on how to refresh the CTGRRMS Services.

**CTG9217W Environment variable CTG_XA_MAX_TRAN value (***value1* **) is not valid**

**Explanation:** Environment variable CTG_XA_MAX_TRAN is set to an incorrect value *value1* .

**System action:** The Gateway daemon does not start up.

**User response:** Set the CTG_XA_MAX_TRAN environment variable to an integer between 1 and 8192 and restart the Gateway daemon.

**CTG9219E A Gateway daemon process is already using resource manager** *name*

**Explanation:** An attempt was made to start a Gateway daemon, but a Gateway daemon is already using the resource manager name supplied.

**System action:** The error is logged and the Gateway daemon fails to start.

**User response:** Correct the configuration and try again. Refer to the CICS Transaction Gateway Information Center for details on resource manager names.

**CTG9250E Error storing information about** *number of URs* **heuristically-completed units of recovery (rc =** *reason code* **)**

**Explanation:** During the start of a Gateway with XA enabled, the initialization of the resource manager processes heuristically-completed transactions. These transactions may come from this Gateway or any Gateway in the same HA Group. For more information see the "Highly available Gateway group" and "Cold Start" sections of the CICS Transaction Gateway Information Center. The maximum number of units of recovery that can be processed is controlled by the environment variable 'CTG_XA_MAX_TRAN'. The default value is 1000. The first unit of recovery after this limit will cause initialization to stop.

**System action:** The CICS Transaction Gateway fails to start.

**User response:** As there are at least *number of URs* URs to process, the value needs to be increased. Use the RRS administrative panels in ISPF to find the number of URs in in-forget state for this Gateway and any others with the same APPLID qualifier.

**CTG9274E Memory allocation failure**

**Explanation:** The CICS Transaction Gateway application is running in 64-bit mode. The CICS TG attempted to call an internal 31-bit API, but was unable to allocate sufficient storage within the 31-bit address range to pass data to the API.

**System action:** This message is logged and CICS Transaction Gateway processing continues. If the memory allocation failure prevented an EXCI request from completing, Cics_Rc is set to ECI_ERR_RESOURCE_SHORTAGE.

**User response:** Configure the system to give the process invoking the CICS TG classes more storage below the 2 gigabyte line. Refer to the z/OS documentation for details on how to do this.

---

**CTG9289E Memory allocation failure**

**Explanation:** This message indicates a malloc() failure when attempting to allocate memory. The memory was required for the call that determines the jobname associated with the Gateway daemon.

**System action:** CICS Transaction Gateway processing continues. Messages written to the system log will contain spaces in place of the jobname.

**User response:** Refer to the z/OS documentation to determine what corrective action is necessary to provide adequate memory to the CICS Transaction Gateway process.

---

**CTG9290E The UNIX System Services call BPX1GTH failed with return code** *return code* **and reason code** *reason code*

**Explanation:** This message indicates a UNIX System Services call 'BPX1GTH' failed. The Gateway daemon uses this call to determine its jobname.

**System action:** CICS Transaction Gateway processing continues. Messages written to the system log will contain spaces in place of the jobname.

**User response:** Refer to the z/OS Assembler Services Reference to determine what the return code and reason code values signify.

---

**CTG9291E Cannot invoke initialization for CTGRRMS services: AuthRc=***auth rc***, CTGASI Return code=***rc*

**Explanation:** To support XA based requests, the CICS Transaction Gateway issues authorized RRS calls, through CTGRRMS services. It was not possible to invoke the initialization of these services.

**System action:** This message is logged. The CICS Transaction Gateway does not start.

**User response:** If XA support is required, refer to the CICS Transaction Gateway Information Center for details on how to start CTGRRMS services. If XA support is not required, set the xasupport configuration parameter off and restart the CICS Transaction Gateway.

---

**CTG9293I Returned from ARCALL with rc =** *INSERT-0***, reason =** *INSERT-1***, RRMS rc =** *INSERT-2*

**Explanation:** Information Message

---

**CTG9295I The Gateway daemon is running with resource manager name** *INSERT-0*

**Explanation:** Information Message

---

**CTG9296I The Gateway daemon is using resource manager name** *INSERT-0* **to support extended LUW based transactions**

**Explanation:** Information Message

---

**CTG9299E The Gateway daemon does not have sufficient authority to write to SMF**

**Explanation:** The Gateway daemon attempted to write an SMF record. This failed because the user ID does not have sufficient authority. The user ID that the Gateway daemon runs under is required to have read access to the BPX.SMF facility class. For further details, refer to the RACF and UNIX System Services documentation

**System action:** This message is logged. All data in the current SMF record is lost.

**User response:** If writing to SMF is required, update z/OS RACF with the pre-requisite permissions and restart the Gateway daemon.

---

**CTG9300E Writing a record to SMF failed with return code (Errno=***errno1***, Errno2=***errno2* **)**

**Explanation:** The Gateway daemon issued a call to the UNIX System Services API call __smf_record. This failed with the following return codes: *errno1* and *errno2*

**System action:** This message is logged. All data in the current SMF record is lost.

**User response:** Verify with the z/OS systems administrator that the SMF subsystem is working correctly. Refer to the CICS Transaction Gateway Information Center for further information on CICS Transaction Gateway recording to SMF. For further details on the error codes refer to the section describing the __smf_record() call in the C/C++ Run-Time Library Reference. If the problem persists, contact your service organization.

---

**CTG9301E SMF is not currently accepting records**

**Explanation:** The Gateway daemon attempted to write a record to SMF. The UNIX System Services call __smf_record failed with reason code

JRSMFNotAccepting, indicating that SMF is not currently accepting records.

**System action:** This message is logged. All data in the current SMF record is lost.

**User response:** Contact the systems administrator responsible for SMF. For further details on the error code refer to the section on reason codes in the UNIX System Services Messages and Codes book.

---

**CTG9302E The Gateway daemon JNI failed to allocate storage to process an SMF record**

**Explanation:** A call to the UNIX System Services API malloc failed, which indicates that it did not have enough memory available.

**System action:** This message is logged. All data in the SMF record is lost.

**User response:** Refer to the CICS Transaction Gateway Information Center for details on resolving out of memory errors.

---

**CTG9402E Attempt to change JNI trace filename while trace running**

**Explanation:** The user attempted to change the JNI trace filename whilst trace was running.

**System action:** This message is output. Tracing continues to the previous filename.

**User response:** Deactivate JNI trace before changing the filename.

---

**CTG9500E Maximum number of Java arguments exceeded**

**Explanation:** The maximum number of parameters that can be passed to the CICS TG has been exceeded.

**System action:** The CICS TG service terminates.

**User response:** Reduce the number of arguments and try again.

---

**CTG9501E Cannot load JNI dll: jvm.dll**

**Explanation:** The service cannot find the Java native runtime dll and is unable to start the CICS TG.

**System action:** The CICS TG service terminates.

**User response:** Inspect the Windows application event log for other messages. Make sure the Java Virtual Machine (JVM) for use with the product is correctly defined, run 'ctgjava'.

---

**CTG9502E Service could not allocate memory**

**Explanation:** Upon starting the CICS TG service enough resources could not be allocated.

**System action:** The CICS TG service terminates.

**User response:** Free up some memory and try again

---

**CTG9503E Service could not create Java Virtual Machine JNI return code** *error label*

**Explanation:** An error occurred whilst trying to start the Java Virtual Machine for the Gateway service to run under. The options used when trying to create the JVM will be output when this condition occurs.

**System action:** The CICS TG service terminates.

**User response:** Check the options supplied and try again with different parameters

---

**CTG9504I JVM Option:**

**Explanation:** Information Message

---

**CTG9505E Cannot find class** *name*

**Explanation:** When attempting to start the CICS TG service the required Java class could not be found. This class can be found in the supplied 'ctgserver.jar'.

**System action:** The CICS TG service terminates.

**User response:** Update your class path and try again.

---

**CTG9506E No main() method found in class com.ibm.ctg.server.JGate**

**Explanation:** When attempting to start the CICS TG service the main() method cannot be found within the JGate class.

**System action:** The CICS TG service terminates.

**User response:** Reinstall the CICS Transaction Gateway.

---

**CTG9507E Out of memory**

**Explanation:** Whilst running the CICS TG service no free memory was available for new resources.

**System action:** The CICS TG service terminates.

**User response:** If this occurs under expected load then more memory may be needed to satisfy the performance needs for the specific CICS TG installation.

---

**CTG9508E StartServiceControlDispatcher failed**

**Explanation:** An attempt to start the Windows service control dispatcher failed.

**System action:** The CICS TG service terminates.

**User response:** Restart the machine and try to start the service again.

---

**CTG9509I Issue ctgservice -? to list command options**

**Explanation:** Information Message

---

**CTG9511E Unrecognized option:** *option*

**Explanation:** The option specified is not supported by the ctgservice command line executable.

**System action:** The usage statement is displayed

**User response:** Adjust the parameters you pass to ctgservice.exe

---

**CTG9512I CTGSERVICE - CICS Transaction Gateway Windows Service Utility**

**Explanation:** Information Message

---

**CTG9513I (C) Copyright IBM Corporation** *Copyright dates* **. All rights reserved.**

**Explanation:** Information Message

---

**CTG9514I [-A<Param1> [-A<Param2> ...]]**

**Explanation:** Information Message

---

**CTG9515I Command options are:**

**Explanation:** Information Message

---

**CTG9516I -R Register Gateway daemon parameter overrides**

**Explanation:** Information Message

---

**CTG9517I -T Display Gateway daemon parameter overrides**

**Explanation:** Information Message

---

**CTG9518I Gateway daemon parameter overrides are:**

**Explanation:** Information Message

---

**CTG9519I -A***override*

**Explanation:** Information Message

---

**CTG9520I The following parameter overrides are valid:**

**Explanation:** Information Message

---

**CTG9521I Gateway daemon parameter overrides are: '***overrides* **'**

**Explanation:** Information Message

---

**CTG9526I Running** *INSERT-0*

**Explanation:** Information Message

---

**CTG9527I Stopping** *INSERT-0*

**Explanation:** Information Message

---

**CTG9533E OpenService failed:** *error message text*

**Explanation:** During an uninstall of the CICS TG service the service could not be opened.

**System action:** The command line application terminates.

**User response:** Check to see if the service is installed and try again.

---

**CTG9535E** *program* **Failed to create AppParameters sub-key**

**Explanation:** Whilst attempting to create the specified subkey to be used by the CICS TG in the registry an error occurred.

**System action:** The command line application terminates.

**User response:** Restart the machine and try again.

---

**CTG9536E** *program* **Failed to create AppParameters string**

**Explanation:** Whilst attempting to create the specified string to be used by the CICS TG in the registry an error occurred.

**System action:** The command line application terminates.

**User response:** Restart the machine and try again.

---

**CTG9537E** *program* **Failed to save value of AppParameters**

**Explanation:** Whilst attempting to store the parameters to be used by the CICS TG in the registry an error occurred.

**System action:** The command line application terminates.

**User response:** Restart the machine and try again.

---

**CTG9539E** **OpenSCManager failed:** *error message text*

**Explanation:** During an install of the CICS TG service the Service Control Manager could not be opened.

**System action:** The command line application terminates.

**User response:** Restart the machine and try again.

---

**CTG9540I** **Service** *INSERT-0* **updated**

**Explanation:** Information Message

---

**CTG9541E** **Starting service** *service name* **from the command line is not supported**

**Explanation:** The named service cannot be started from the command line.

**System action:** The command line application terminates.

**User response:** Use the Windows Service Control Manager to start the named service.

---

**CTG9542E** **Internal error, Function =** *Function***, Error Code =** *Error*

**Explanation:** An internal function has returned an error.

**System action:** The service failed to complete the requested task.

**User response:** If the problem persists, contact your service organization.

---

**CTG9544E** **Function** *Function* **failed, Error Code =** *Error*

**Explanation:** An internal function has returned an error.

**System action:** The service failed to complete the requested task.

**User response:** If the problem persists, contact your service organization.

---

**CTG9549E** **Gateway daemon failed to start, refer to the Gateway error log**

**Explanation:** The IBM CICS Transaction Gateway service was unable to start the Gateway daemon.

**System action:** The service fails to start. This message is written to the Windows application event log.

**User response:** Examine the Gateway daemon error log to determine the cause of the error. The error log is in the location specified in the configuration file, or in the <product_data_path> if there was an error in the configuration. The environment variable CTG_DATA_PATH identifies the location of the <product_data_path>.

---

**CTG9550I** **Service** *INSERT-0* **has started**

**Explanation:** Information Message

---

**CTG9551I** **Service** *INSERT-0* **has stopped**

**Explanation:** Information Message

---

**CTG9552E** **Service** *service name* **failed to start: Parameter list** *values*

**Explanation:** A problem occurred when the named service was being started. The *values* are the parameters that were defined for the service.

**System action:** The service failed to start. This message is written to the Windows application event log.

**User response:** Inspect the Windows application event log for other messages that help to explain the problem. Address the cause of failure and retry the command.

---

**CTG9553E** **Windows function** *function* **failed, error code** *error***, Windows message** *details*

**Explanation:** The service process received an unexpected return code from the Windows function.

**System action:** This message is written to the Windows application event log. The service will terminate.

**User response:** Inspect the Windows application event log, the message *details* might indicate the cause of failure, where possible take corrective action. If the problem persists, contact your service organization.

---

**CTG9554W** **Service** *service name* **received invalid parameter** *value*

**Explanation:** An invalid value was defined for use with the named service.

**System action:** The named service fails to start. This message is written to the Windows application event log.

**User response:** Change or remove the invalid parameter value and retry.

---

**CTG9555E Invalid parameters were defined; service *service name* was not started**

**Explanation:** One or more invalid parameter values were defined for use with the named service.

**System action:** The named service fails to start. This message is written to the Windows application event log.

**User response:** Inspect the Windows application event log for messages detailing invalid parameters, and change or remove the invalid parameter values.

**CTG9556E Service *service name* could not establish communications with the Client daemon**

**Explanation:** A problem occurred when starting the Client daemon.

**System action:** The named service ends. This message is written to the Windows application event log.

**User response:** Check the parameter values that were passed to the Client daemon are valid. To do this issue the cicscli command with the parameters that were used. Change any parameters if necessary and restart the service. If parameters are valid inspect the Client error log for other messages.

**CTG9557E Function *function* gave an unexpected return value *data***

**Explanation:** The service process received an unexpected return value from the function.

**System action:** This message is written to the Windows application event log. The service will terminate.

**User response:** Inspect the Windows application event log, other messages might indicate the cause of failure, where possible take corrective action. If the problem persists, contact your service organization.

**CTG9558I JVM parameter overrides are: *INSERT-0***

**Explanation:** Information Message

**CTG9559W The Client daemon is already running**

**Explanation:** The CICS Transaction Gateway service has detected that the Client daemon is already running.

**System action:** The CICS Transaction Gateway service continues to start, and writes this message to the Windows application event log.

**User response:** Look in the Windows application event log and in the product logs to find out why the Client daemon was left running. If the problem persists, contact your service organization.

**CTG9560E The Client daemon terminated unexpectedly**

**Explanation:** The Client daemon terminated unexpectedly while the CICS Transaction Gateway service was running.

**System action:** The CICS Transaction Gateway service shuts down immediately, and writes this message to the Windows application event log.

**User response:** Look in the Client daemon error log to find out why the Client daemon terminated. The location of the error log is defined in the configuration file. If the problem persists, contact your service organization.

**CTG9561E Exception occurred in the Gateway daemon: [*error* ]**

**Explanation:** Where *error* specifies the cause of the error.

**System action:** System action is not required.

**User response:** Check error code.

**CTG9600I ResultSet not supported**

**Explanation:** Information Message

**CTG9601E This connection is already closed**

**Explanation:** The connection has already been closed and so cannot be closed again.

**System action:** System action is not required.

**User response:** Update your application so connections are only closed once

**CTG9602I RecordFactory not supported**

**Explanation:** Information Message

**CTG9603E Connection manager has returned an invalid connection**

**Explanation:** The connection returned by the connection manager is not of the correct type for use with the CICS resource adapters. This is an internal error.

**System action:** System action is not required.

**User response:** Contact your service organization

**CTG9604I This form of execute is not supported**

**Explanation:** Information Message

**CTG9605E ManagedConnection cannot be used because it is in an unrecoverable state**

**Explanation:** Due to an unrecoverable error the ManagedConnection object that your application is using has become damaged and cannot be used for any further interactions with CICS.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9607E Transaction failed to commit, and was rolled back instead**

**Explanation:** The transaction failed to commit on CICS and so a rollback was carried out to back out any work done within the transaction.

**System action:** The system tried to commit the transaction but cannot do so. The transaction has therefore been rolled back.

**User response:** If the problem persists, contact your service organization.

**CTG9608E XA transaction in progress on ECIManagedConnection, cannot process local transaction request**

**Explanation:** An ECIManagedConnection can process only one transaction at a time. An XA transaction has already been started on the ECIManagedConnection, so a local transaction may not start until the XA transaction is finished.

**System action:** None.

**User response:** Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9609E Local transaction in progress on ECIManagedConnection, cannot process XA transaction request**

**Explanation:** An ECIManagedConnection can process only one transaction at a time. A local transaction has already been started on the ECIManagedConnection, so an XA transaction may not start until the local transaction is finished.

**System action:** None.

**User response:** Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9610E Local transaction already started on ECIManagedConnection**

**Explanation:** An ECIManagedConnection can process only one transaction at a time. A local transaction has already been started on the ECIManagedConnection, so you may not start another.

**System action:** None.

**User response:** Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9611E Local transaction not started on ECIManagedConnection**

**Explanation:** A local transaction has not been started on the ECIManagedConnection so any calls to commit() or rollback() will fail.

**System action:** System action is not required.

**User response:** Review the Java client application that tried to complete the transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9612E XA transaction already started on ECIManagedConnection**

**Explanation:** An ECIManagedConnection can process only one transaction at a time. An XA transaction has already been started on the ECIManagedConnection, so you may not start another.

**System action:** None.

**User response:** Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9613E An XAException occurred processing XA request**

**Explanation:** An XAException occurred processing XA request.

**System action:** System action is not required.

**User response:** Check the error log for details for why the exception occurred.

**CTG9614E Incorrect input flag received on XA request**

**Explanation:** An input flag that has been received on an XA_START or XA_END Request is not valid. The request has failed. The is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9615E Transaction not active on ECIManagedConnection**

**Explanation:** The LUW token specified on the end transaction command does not match the LUW token of the active transaction.

**System action:** The transaction remains active.

**User response:** If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

---

**CTG9616E Transaction failed to commit or roll back**

**Explanation:** A request was made, but failed, possibly due to a communications error.

**System action:** None.

**User response:** If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

---

**CTG9617E ECI connection closed**

**Explanation:** Access to this ECIConnection is no longer allowed as it has been closed.

**System action:** None.

**User response:** Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9618E Cannot associate connection with ECIManagedConnection as supplied Connection is null**

**Explanation:** When trying to associate a connection with an ECIManagedConnection the connection type must be ECIConnection. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9619E Cannot associate connection with ECIManagedConnection as not of type ECIConnection**

**Explanation:** When trying to associate a connection with an ECIManagedConnection the connection type must be ECIConnection. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9620E Connection returned by connection manager not of type javax.resource.cci.Connection**

**Explanation:** The connection manager has not returned a Connection object from the allocateConnection() method. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9621E ConnectionSpec supplied is not of type ECIConnectionSpec**

**Explanation:** The ECI resource adapter only supports ConnectionSpec objects of the type ECIConnectionSpec.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9622E ConnectionRequestInfo object is not of type ECIConnectionRequestInfo**

**Explanation:** The ConnectionRequestInfo object being supplied to the ECI resource adapter is not of the correct type. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9623E Connection manager supplied is null**

**Explanation:** The connection manager supplied to the ECIConnectionFactory is null.

**System action:** None.

**User response:** In a managed environment this is a internal error, if the problem persists contact your service organization. In a non-managed environment review your Java client application to supply a non null connection manager to the ECIConnectionFactory constructor.

---

**CTG9624E ECIInteraction closed**

**Explanation:** You cannot do any further work with this ECIInteraction object as it has been closed.

**System action:** None.

**User response:** Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the

Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9625E ECIConnection used during interaction is null**

**Explanation:** The ECIConnection object associated with the current ECIInteraction object is null so the interaction cannot continue. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9626E Connection associated with ECIInteraction not of type ECIConnection**

**Explanation:** The ECIConnection that is being used by your ECIInteraction is not of the correct type. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9627E IOException occurred when writing to the Output Record**

**Explanation:** An I/O exception was thrown by the record when the resource adapter attempted to populate it with the relevant information. The record exception is linked to this one.

**System action:** An exception is thrown.

**User response:** Review the linked exception for an indication of any corrective action needed.

**CTG9628E InteractionSpec passed to execute() not of type ECIInteractionSpec**

**Explanation:** Only InteractionSpec objects of the type ECIInteractionSpec can passed to the ECIInteraction.execute() method.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9629E InteractionSpec passed to execute() is null**

**Explanation:** When calling ECIInteraction.execute() a non null ECIInteractionSpec must be supplied at all times.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9630E IOException occurred in communication with CICS**

**Explanation:** An IOException occurred during an interaction with a CICS server. The CICS exception is linked to this one.

**System action:** An exception is thrown.

**User response:** Review the linked exception for an indication of any corrective action needed.

**CTG9631E Error occurred during an interaction with CICS**

**Explanation:** An error occurred during an interaction with a CICS server. The error code is shown at the end of the message.

**System action:** None.

**User response:** The supplied error code can be referenced in the Java API documentation in the CICS Transaction Gateway Information Center. The documentation for the ECIResourceAdapterRc class lists the return codes for all errors that can cause an interaction to fail.

**CTG9632E SYNC_SEND/SYNC_SEND_RECEIVE not supported when reply to previous SYNC_SEND is pending**

**Explanation:** A reply to a SYNC_SEND interaction is pending. No further SYNC_SEND or SYNC_SEND_RECEIVE interactions are allowed until a SYNC_RECEIVE is executed.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9633E SYNC_RECEIVE attempted without corresponding SYNC_SEND**

**Explanation:** A SYNC_SEND interaction must be executed before a reply from CICS can be received using SYNC_RECEIVE.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9634E Input record does not implement the Streamable interface**

**Explanation:** Input record objects supplied to the ECIInteraction.execute() method must support the javax.resource.cci.Streamable interface.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9635E Input record is null**

**Explanation:** When specifying an InteractionVerb of SYNC_SEND or SYNC_SEND_RECEIVE a non null input Record object must be supplied as input to CICS.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9636E Output record does not implement the Streamable interface**

**Explanation:** Output record objects supplied to the ECIInteraction.execute() method must support the javax.resource.cci.Streamable interface.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9637E Output record is null**

**Explanation:** When specifying an InteractionVerb of SYNC_RECEIVE or SYNC_SEND_RECEIVE a non null output Record object must be supplied to hold the reply from CICS.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9638E Transaction Abend occurred in CICS: Abend Code=**

**Explanation:** During the Interaction with CICS a Transaction Abend occurred on the server. The supplied code is that which is returned by CICS.

**System action:** None.

**User response:** Check the abend code in the CICS documentation for an indication of any corrective action needed.

**CTG9639E Unable to perform action, connection is closed**

**Explanation:** The EPIConnection has been closed and can no longer be used.

**System action:** None.

**User response:** Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9640E No connection was returned by connection manager**

**Explanation:** The connection manager did not return an EPIConnection for use by the application. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9641E Invalid connection was returned by connection manager**

**Explanation:** An unusable Connection object was returned by the connection manager. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9642E Invalid ConnectionSpec was supplied, must be an EPIConnectionSpec instance**

**Explanation:** Only ConnectionSpecs of the type EPIConnectionSpec are accepted in the getConnection() method of EPIConnectionFactory.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9643E Unable to perform action, interaction is closed**

**Explanation:** The EPIInteraction is closed so no further work can be carried out on it.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details..

**CTG9644E No EPIInteractionSpec supplied**

**Explanation:** An EPIInteractionSpec must be supplied when EPIConnection.execute() is called.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9645E Invalid InteractionSpec was supplied, must be an EPIInteractionSpec instance**

**Explanation:** An EPIInteractionSpec must be supplied when EPIConnection.execute() is called.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9646E Invalid connection passed to associate connection method by application server**

**Explanation:** When attempting to associate a Connection object with an EPIManagedConnection the incorrect type was used. The EPI resource adapter supports only EPIConnection objects being passed to the associateConnection() method. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

**CTG9647E A null connection was passed to associate connection method by application server**

**Explanation:** When attempting to associate a Connection object with an EPIManagedConnection the incorrect type was used. The EPI resource adapter only supports EPIConnection objects being passed to the associateConnection() method.

**System action:** None.

**User response:** If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

**CTG9648E The EPI resource adapter does not support local transactions**

**Explanation:** The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

**System action:** An exception is thrown.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9649E The EPI resource adapter does not support the XAResource interface**

**Explanation:** The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

**System action:** An exception is thrown.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9650E Streamable input record information does not contain the correct amount of data**

**Explanation:** The amount of data stored in the input Record object does not correspond to the amount required for the currently defined screen size.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9651E Input record is of unknown type and cannot be used**

**Explanation:** Input record objects supplied to EPIInteraction.execute() must implement the javax.resource.cci.Streamable interface in order to be used by the EPI resource adapter.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the

Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9652E Output record is of unknown type and cannot be used**

**Explanation:** Output record objects supplied to EPIInteraction.execute() must implement the javax.resource.cci.Streamable interface in order to be used by the EPI resource adapter.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9653E No output record was given and one was expected**

**Explanation:** When executing a SYNC_RECEIVE or SYNC_SEND_RECEIVE an output record must be supplied to hold the reply from CICS.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9654E No input record was given and one was expected**

**Explanation:** When executing a SYNC_SEND or SYNC_SEND_RECEIVE an input record must be supplied to hold the data to be sent to CICS.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9655E LogonLogoff class threw an exception which is linked to this one**

**Explanation:** An exception was thrown while the LogonLogoff class specified was being accessed. The original exception can be accessed using the getCause method.

**System action:** None.

**User response:** Review the linked exception for an indication of any corrective action needed.

**CTG9656E LogonLogoff class could not be found**

**Explanation:** The LogonLogoff class specified could not be found in the current CLASSPATH.

**System action:** None.

**User response:** Check that the LogonLogoff class specified is on the system CLASSPATH.

**CTG9657E LogonLogoff class found but could not be instantiated**

**Explanation:** An error occurred while trying to instantiate the LogonLogoff class specified.

**System action:** None.

**User response:** Check that the name of the LogonLogoff class is specified correctly in the Java Client application. If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

**CTG9658E No authority to create LogonLogoff Class**

**Explanation:** The Java Client application does not have the required authorization to create the specified LogonLogoff class.

**System action:** None.

**User response:** Refer to the "Writing LogonLogoff classes" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details on how to grant Java security permissions.

**CTG9659E Unable to build security information to pass to LogonLogoff class**

**Explanation:** The resource adapter was unable to create a Subject object required to be passed to the registered LogonLogoff class. This could be because the required Java Security permissions are not available.

**System action:** None.

**User response:** Refer to the "Writing LogonLogoff classes" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details on how to grant Java security permissions.

**CTG9660E Adapter unable to function as no Connection Manager passed to resource adapter**

**Explanation:** A Request to create a connection factory has failed because a null connection manager was passed to the createConnectionFactory method.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9661E The EPI resource adapter does not support transactional interfaces**

**Explanation:** The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

**System action:** An exception is thrown.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9662E The EPI resource adapter only supports one interaction per connection**

**Explanation:** The EPI resource adapter only supports a single EPIInteraction instance per EPIConnection instance.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9663E A connection which is not the active connection attempted to run on the resource adapter**

**Explanation:** The EPIConnection that your component is trying to use is not the current Connection being processed by the EPI resource adapter. The current working Connection must be closed before work can continue.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9664E Transaction ended, but unable to determine server state**

**Explanation:** The CICS transaction has ended, but it is not possible to determine if resources were committed or rolled back.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9665E ExecuteTimeout property cannot be negative**

**Explanation:** The ExecuteTimeout property on the ECIInteractionSpec must be a positive value.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9666E Value of InteractionVerb is not one of: SYNC_SEND, SYNC_RECEIVE, SYNC_SEND_RECEIVE**

**Explanation:** A valid value for InteractionVerb was not passed within the ECIInteractionSpec.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9667E FunctionName is empty, cannot send request**

**Explanation:** In order to carry out an Interaction with CICS a FunctionName must be provided in the ECIInteractionSpec. This FunctionName maps to the program that is to be executed on the CICS server.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9668E XA transaction in progress but no XID is available**

**Explanation:** An ECI request is being executed as part of an XA transaction but no Xid is available on the associated XAResource object. The transaction is not in a valid state. This is an internal error.

**System action:** None.

**User response:** If the problem persists, contact your service organization.

---

**CTG9669E XA transaction not started on ECIManagedConnection**

**Explanation:** An attempt was made to complete an XA transaction which had not been started.

**System action:** None.

**User response:** In a managed environment this is a internal error, if the problem persists contact your service organization. In a non-managed environment review your Java client application and refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9670E Incorrect XID received**

**Explanation:** The Xid received on an XA_END flow is not the same as that received on the XA_START flow. The XA_END flow has failed.

**System action:** None.

**User response:** Check the application server logs for further details. If the problem persists contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

---

**CTG9671E Screenable input record does not match the current screen definition**

**Explanation:** The input record provided does not match the EPI resource adapter's representation of the screen.

**System action:** None.

**User response:** Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9672E Transaction cannot begin - connection is closed**

**Explanation:** A LocalTransaction cannot be started because it was obtained from a Connection which is now closed.

**System action:** None.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9673E SYNC_RECEIVE requires COMMAREA length, reply length or both to be defined**

**Explanation:** A SYNC_RECEIVE interaction requires the COMMAREA length or reply length to be specified in the InteractionSpec, and neither have been specified.

**System action:** None.

**User response:** Review your Java client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9674E No SSL key ring was provided for SSL protocol**

**Explanation:** The SSL protocol was specified for the connectionURL, but no key ring has been specified.

**System action:** None.

**User response:** Review your configuration to resolve the problem. Refer to the CICS Transaction Gateway Information Center for more details.

---

**CTG9675E EPI resource adapter failed trying to populate Screenable record**

**Explanation:** An exception was thrown by the screenable record when the EPI resource adapter tried to populate it with the relevant information. The record exception is linked to this one.

**System action:** An exception is thrown.

**User response:** Review the linked exception for an indication of any corrective action needed.

---

**CTG9676E IOException occurred when reading the Input Record**

**Explanation:** An I/O exception was thrown by the record when the resource adapter attempted to read the information. The record exception is linked to this one.

**System action:** An exception is thrown.

**User response:** Review the linked exception for an indication of any corrective action needed.

---

**CTG9677E Local transactions cannot be used**

**Explanation:** An application has attempted to obtain a local transaction from a connection which cannot be provided. This will result from using the ECI resource adapter configured for local mode connections on WebSphere for z/OS.

**System action:** A NotSupportedException is thrown.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

---

**CTG9678E EPI resource adapter failed trying to read streamed EPI data**

**Explanation:** During a read of the terminal, an exception has occurred.

**System action:** The terminal read ends abnormally.

**User response:** Retrieve the linked exception from the CICSUserInputException and diagnose the error from the original message.

**CTG9679E EPI resource adapter failed trying to write streamed EPI data**

**Explanation:** During a write to the terminal an exception has occurred. The original exception has been linked.

**System action:** The terminal write ends abnormally.

**User response:** Retrieve the linked exception from the CICSUserInputException and diagnose the error from the original message.

**CTG9680E Connected to a CICS TG that does not support XA transactions**

**Explanation:** The application has attempted to execute an XA transaction using a CICS TG that does not support XA transactions.

**System action:** None.

**User response:** Either re-configure the application to connect to a CICS TG that supports XA transactions, or do not use XA transactions within this application.

**CTG9681E Connected to a CICS TG that is not enabled to support XA transactions**

**Explanation:** The application has attempted to execute an XA transaction using a CICS TG that does not have XA transaction support enabled.

**System action:** None.

**User response:** Enable support for XA transactions within the CICS TG, or re-configure to connect to a CICS TG that has XA transaction support enabled, or do not use XA transactions with this application.

**CTG9683E Mapped Output Record is not an ECIChannelRecord**

**Explanation:** The Output MappedRecord object that has been passed to the Resource Adapter is not of the correct type. It cannot be treated as a Channel object because it is not of type ECIChannelRecord.

**System action:** The request is rejected.

**User response:** Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

**CTG9684E XA error '***XA return code* **' occurred processing XA request type '***request type* **'**

**Explanation:** CICS TG returned error code *XA return code* for an XA request type *request type* .

**System action:** This message is logged. The application server might roll back a transaction if an error occurs.

**User response:** Check the CICS TG and application server logs for further information about the cause of the error. Check that all units of recovery associated with the Gateway resource manager in RRS and the application server are in a completed state. Refer to the CICS Transaction Gateway Information Center for details about the resource manager name used by the Gateway daemon.

**CTG9685E Heuristic XA error '***XA return code* **' occurred processing XA request type '***request type* **'**

**Explanation:** The CICS TG returned heuristic error code *XA return code* for an XA request type *request type* .

**System action:** This message is logged. The application server makes the appropriate response depending on the request type and error code.

**User response:** Check the CICS TG and application server logs for further information about the cause of the error. Check that all units of recovery associated with the Gateway resource manager in RRS and the application server are in a completed state. Refer to the CICS Transaction Gateway Information Center for details about the resource manager name used by the Gateway daemon.

**CTG9700E Binding operation** *operation* **is not in the specified WSDL**

**Explanation:** The specified WSDL does not contain binding operation *operation* .

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that the operation name specified on the createOperation call matches the name of a binding operation contained in the WSDL.

**CTG9701E ECI Binding operation** *operation* **is not in the specified WSDL**

**Explanation:** Binding operation *operation* does not contain an extensibility element for this resource adapter.

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that binding operation *operation* contains an extensibility element for this resource adapter.

**CTG9702E There is a duplicate extensibility element** *name* **in** *operation*

**Explanation:** Binding operation *operation* contains multiple extensibility elements with name *name* .

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that all extensibility elements in binding operation *operation* have unique names.

---

**CTG9703E** **No matching part was found for InteractionSpec property** *name*

**Explanation:** The InteractionSpec does not contain a part for property *name* .

**System action:** The Interation fails to execute.

**User response:** Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9704E** **An exception occurred while updating InteractionSpec property** *name* **with message** *message*

**Explanation:** A call to update InteractionSpec property *name* threw an exception with message *message* .

**System action:** The Interation fails to execute.

**User response:** Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9705E** **No matching part was found for ConnectionSpec property** *name*

**Explanation:** The ConnectionSpec does not contain a part for property *name* .

**System action:** The ConnectionSpec has not been created.

**User response:** Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9706E** **An exception occurred while updating ConnectionSpec property** *name* **with message** *message*

**Explanation:** A call to update ConnectionSpec property *name* threw an exception with message *message* .

**System action:** The ConnectionSpec has not been created.

**User response:** Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9710E** **Binding operation** *operation* **is not in the specified WSDL**

**Explanation:** The specified WSDL does not contain binding operation *operation* .

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that the operation name specified on the createOperation call matches the name of a binding operation contained in the WSDL.

---

**CTG9711E** **EPI Binding operation** *operation* **is not in the specified WSDL**

**Explanation:** Binding operation *operation* does not contain an extensibility element for this resource adapter.

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that binding operation *operation* contains an extensibility element for this resource adapter.

---

**CTG9712E** **There is a duplicate extensibility element** *name* **in** *operation*

**Explanation:** Binding operation *operation* contains multiple extensibility elements with name *name* .

**System action:** The WSIFOperation object has not been created.

**User response:** Ensure that all extensibility elements in binding operation *operation* have unique names.

---

**CTG9713E** **No matching part was found for InteractionSpec property** *name*

**Explanation:** The InteractionSpec does not contain a part for property *name* .

**System action:** The Interation fails to execute.

**User response:** Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9714E** **An exception occurred while updating InteractionSpec property** *name* **with message** *message*

**Explanation:** A call to update InteractionSpec property *name* threw an exception with message *message* .

**System action:** The Interation fails to execute.

**User response:** Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9715E** **No matching part was found for ConnectionSpec property** *name*

**Explanation:** The ConnectionSpec does not contain a part for property *name* .

**System action:** The ConnectionSpec has not been created.

**User response:** Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9716E An exception occurred while updating ConnectionSpec property** *name* **with message** *message*

**Explanation:** A call to update ConnectionSpec property *name* threw an exception with message *message* .

**System action:** The ConnectionSpec has not been created.

**User response:** Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9717E An exception occurred while updating part** *part* **from InteractionSpec property** *name* **with message** *message*

**Explanation:** A call to update part *part* from InteractionSpec property *name* threw an exception with message *message* .

**System action:** The Interation fails to execute.

**User response:** Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

---

**CTG9800E No message for ID** *ID* **could be located**

**Explanation:** The message ID indicated could not be located within the message file.

**System action:** No action taken.

**User response:** Contact your service organization with the message ID.

---

**CTG9801E A request to get or set an attribute was unknown to MBean** *name*

**Explanation:** A Management Bean received a request to get or set an attribute but this attribute is unknown to it.

**System action:** No action taken.

**User response:** Ensure the management bean being invoked supports this attribute.

---

**CTG9802E An invalid value was given for an attribute for MBean** *name*

**Explanation:** A request to set an attribute on a management bean failed because the value provided was not valid.

**System action:** The attribute doesn't change.

**User response:** Ensure the value provided is valid for the attribute.

---

**CTG9803E An unexpected exception was received from MBean** *name*

**Explanation:** A management bean throw an exception which was not expected by the system.

**System action:** No action taken.

**User response:** The linked exception may provide more information on the problem.

---

**CTG9804E An unknown exception occurred whilst trying to set the trace file to** *filename*

**Explanation:** An exception occurred whilst trying to set the Gateway trace file to the specified file. This might be because the specified file is a directory, is not writeable or cannot be opened for another reason.

**System action:** The Gateway trace file is not changed.

**User response:** Check that the file specified is a valid file and is in a writeable location.

---

**CTG9805E An unknown exception occurred whilst trying to set the JNI trace file to** *filename*

**Explanation:** An exception occurred whilst trying to set the JNI trace file to the specified file. This might be because the specified file is a directory, is not writeable or cannot be opened for another reason.

**System action:** The JNI trace file is not changed.

**User response:** Check that the file specified is a valid file and is in a writeable location.

---

**CTG9806E An error occurred when setting** *value*

**Explanation:** When trying to make multiple changes to the Gateway daemon *value* failed.

**System action:** The Gateway daemon settings are not changed.

**User response:** Check that the parameters used in the change are correct.

---

**CTG9807E An error occurred setting attribute *requested value* and rolling back attribute *associated value***

**Explanation:** When trying to make multiple changes to the Gateway daemon the attempt to set attribute *requested value* failed. When trying to undo the changes already made, the roll back of attribute *associated value* failed.

**System action:** The Gateway daemon settings are left in an undefined state.

**User response:** Check that the parameters used in the change are correct.

**CTG9808E The value of *setting* is not valid for *value***

**Explanation:** When trying to change a Gateway trace setting, the value provided was not valid.

**System action:** The Gateway daemon setting is not changed.

**User response:** Check that the value used for the setting is correct.

**CTG9809E The value of *setting* is not valid for *value***

**Explanation:** When trying to change a Gateway JNI trace setting, the value provided was not valid.

**System action:** The Gateway daemon setting is not changed.

**User response:** Check that the value used for the setting is correct.

**CTG9810E The trace file *filename* specified a directory**

**Explanation:** When trying to set the Gateway trace file, the value specified a directory.

**System action:** The trace file is not changed.

**User response:** Specify a trace file that is not a directory.

**CTG9811E The trace file *filename* specified an invalid path**

**Explanation:** When trying to set the Gateway trace file, the value specified an invalid path.

**System action:** The trace file is not changed.

**User response:** Specify a trace file using a valid path for the platform.

**CTG9812E The trace file *filename* specified an unwritable file**

**Explanation:** When trying to set the Gateway trace file, the value specified a file on which the Gateway daemon does not have write permissions, or a directory in which the Gateway daemon cannot create or write a file.

**System action:** The trace file is not changed.

**User response:** Specify a trace file which is writeable, or in a location which is writeable, by the Gateway daemon.

**CTG9814E The JNI trace file *filename* specified an invalid path**

**Explanation:** When trying to set the JNI trace file, the value specified an invalid path.

**System action:** The JNI trace file is not changed.

**User response:** Specify a JNI trace file using a valid path for the platform.

**CTG9815E The JNI trace file *filename* specified an unwritable file**

**Explanation:** When trying to set the JNI trace file, the value specified a file on The CICS Transaction Gateway does not have write permissions to the specified JNI trace file, or the CICS TG does not have permission to create, or write, a file in the specified directory.

**System action:** The JNI trace file is not changed.

**User response:** Specify a trace file which can be written to by the CICS Transaction Gateway.

**CTG9816E Attempt to change JNI trace filename while trace running**

**Explanation:** The user attempted to change the JNI trace filename whilst trace was running.

**System action:** This message is output. Tracing continues to the previous filename.

**User response:** Deactivate JNI trace before changing the filename.

**CTG9900E DSS policy *name* not defined**

**Explanation:** The DSS policy specified as the active DSS policy has not been defined.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

**CTG9901E** **DSS group** *group name* **not defined for DSS policy** *policy name*

**Explanation:** The DSS policy contains a mapping to the specified DSS group; this DSS group has not been defined.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9902I** **Policy based DSS is active**

**Explanation:** Information Message

---

**CTG9903I** **Current DSS policy is** *policy name mappings*

**Explanation:** Information Message

---

**CTG9904E** **More than one DSS mechanism configured for Gateway daemon**

**Explanation:** The configuration contains multiple DSS mechanisms; only one at a time is supported.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9905E** **No mappings defined for DSS policy** *name*

**Explanation:** The MAPPINGS subsection of the DSS policy is empty.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9906E** **Mandatory property** *property* **missing from section** *section name*

**Explanation:** The mandatory property is missing.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Refer to the CICS Transaction Gateway Information Center, correct the configuration and restart CICS Transaction Gateway.

---

**CTG9907E** **The ENDSUBSECTION declaration is missing from subsection** *subsection name* **in section** *section name* **at configuration line** *line number*

**Explanation:** The SUBSECTION declaration does not have a corresponding ENDSUBSECTION declaration.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9908E** **Subsection** *subsection name* **missing from section** *section name*

**Explanation:** The section does not contain the required subsection.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9909E** **Subsection** *subsection name* **not expected in section** *section name* **at configuration line** *line number*

**Explanation:** The section should not contain the specified subsection.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9910E** **An ENDSUBSECTION declaration does not have a corresponding SUBSECTION declaration at configuration line** *line number*

**Explanation:** An ENDSUBSECTION declaration was found without a corresponding SUBSECTION declaration.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9911E** **Duplicate definition of mapping** *name* **detected in DSS policy** *policy name* **at configuration line** *line number*

**Explanation:** The MAPPINGS subsection contains more than one mapping with the same name.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

---

**CTG9912E** **Duplicate subsection** *name* **detected at configuration line** *line number*

**Explanation:** A section contains more than one subsection with the same name.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

**CTG9913E** **Duplicate DSS policy** *name* **detected at configuration line** *line number*

**Explanation:** The configuration contains more than one DSS policy with the same name.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

**CTG9914E** **DSS group** *name* **contains definitions for IPIC and EXCI connections**

**Explanation:** If CICS Transaction Gateway is configured for XA transactions, all the CICS servers in a DSS group must use the same communications protocol.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Correct the configuration and restart CICS Transaction Gateway.

**CTG9915W** **Logical CICS server definitions are deprecated**

**Explanation:** The configuration contains definitions for logical CICS servers. This function has been superseded by policy based dynamic server selection (DSS).

**System action:** CICS Transaction Gateway startup continues.

**User response:** Refer to the CICS Transaction Gateway Information Center for information on how to migrate the configuration to use policy based DSS.

**CTG9916I** **Bidirectional layout transformation is enabled; target layout is set to** *target layout*

**Explanation:** Information Message

**CTG9917I** **Bidirectional layout transformation is disabled**

**Explanation:** Information Message

**CTG9918E** **Java system property** *property name* **is set to unknown value** *value*

**Explanation:** CICS Transaction Gateway did not recognize the value of the specified Java system property.

**System action:** CICS Transaction Gateway fails to start.

**User response:** Check that the Java system property has been correctly defined.

# Related literature

Other documentation relating to CICS Transaction Gateway.

IBM Redbooks® titles are available on a wide range of subjects relevant to CICS Transaction Gateway programming, installation, operation and troubleshooting. See the: IBM Redbooks site for more information.

Documentation for many IBM products is available online from the IBM Publications Center.

# Accessibility

Accessibility features help users with a physical disability, for example restricted mobility or limited vision, to use information technology products successfully. CICS Transaction gateway is compatible with the JAWS screen reader. CICS Transaction Gateway provides accessibility by enabling keyboard-only operation.

For more information about the IBM commitment to accessibility, visit the IBM Accessibility Center.

# Glossary

This glossary defines the terms and abbreviations used in CICS Transaction Gateway and in the information centers.

**A**

**abnormal end of task (abend)**
The termination of a task, job, or subsystem because of an error condition that recovery facilities cannot resolve.

**Advanced program-to-program communication (APPC)**
An implementation of the SNA/SDLC LU 6.2 protocol that allows interconnected systems to communicate and share the processing of programs. The Client daemon uses APPC to communicate with CICS systems.

**APAR** See *Authorized program analysis report*.

**API** See *application programming interface*.

**APPC** See *Advanced program-to-program communication*.

**application programming interface (API)**
A functional interface that allows an application program that is written in a high-level language to use specific data or functions of the operating system or another program.

**APPLID**

1. On CICS Transaction Gateway: The application identifier that is used to identify connections on the CICS server and tasks in a CICSplex. See also *APPLID qualifier* and *fully-qualified APPLID*.
2. On CICS Transaction Server: The name by which a CICS system is known in a network of interconnected CICS systems. CICS Transaction Gateway application identifiers do not need to be defined in SYS1.VTAMLST. The CICS APPLID is specified in the APPLID system initialization parameter.

**APPLID qualifier**
Optionally used as a high-level qualifier for the APPLID to form a fully-qualified APPLID. See also *APPLID* and *fully-qualified APPLID*.

**ARM** See *automatic restart manager*.

**Authorized program analysis report (APAR)**
A request for correction of a defect in a current release of an IBM-supplied program.

**ATI** See *automatic transaction initiation*.

**attach** In SNA, the request unit that flows on a session to initiate a conversation.

**Attach Manager**
The component of APPC that matches attaches received from remote computers to accepts issued by local programs.

**autoinstall**
A method of creating and installing resources dynamically as terminals log on, and deleting them at logoff.

**automatic restart manager (ARM)**
A z/OS® recovery function that can improve the availability of specific batch jobs or started tasks, and therefore result in faster resumption of productive work.

**automatic transaction initiation (ATI)**
The initiation of a CICS transaction by an internally generated request, for example, the issue of an EXEC CICS START command or the reaching of a transient data trigger level. CICS resource definition can associate a trigger level and a transaction with a transient data destination. When the number of records written to the destination reaches the trigger level, the specified transaction is automatically initiated.

**B**

**bean** A definition or instance of a JavaBeans component. See also *JavaBeans*.

**bean-managed transaction**
A transaction where the JEE bean itself is responsible for administering transaction tasks such as committal or rollback. See also *container-managed transaction*.

**BIND command**
In SNA, a request to activate a session between two logical units (LUs).

**business logic**
The part of a distributed application that is concerned with the application logic rather than the user interface of the application. Compare with *presentation logic*.

**C**

**CA** See *certificate authority*.

**CCIN** The CCIN transaction is invoked by the Client daemon, for each TCP/IP or SNA connection established. CCIN installs a Client connection on the CICS server.

**CCSID**
Coded Character Set Identifier. A 16-bit number that includes a specific set of encoding scheme identifiers, character set identifiers, code page identifiers, and other information that uniquely identifies the coded graphic-character representation.

**CTIN** The CTIN transaction is invoked by the Client daemon to install a Client terminal definition on the CICS server.

**callback**
A way for one thread to notify another application thread that an event has happened.

**certificate authority (CA)**
In computer security, an organization that issues certificates. The certificate authority authenticates the certificate owner's identity and the services that the owner is authorized to use. It issues new certificates and revokes certificates from users who are no longer authorized to use them.

**change-number-of-sessions (CNOS)**
An internal transaction program that regulates the number of parallel sessions between the partner LUs with specific characteristics.

**channel**
A channel is a set of containers, grouped together to pass data to CICS. There is no limit to the number of containers that can be added to a channel, and the size of individual containers is limited only by the amount of storage that you have available.

**CICS connectivity components**
A generic reference to the Client daemon, EXCI, and the IPIC protocol.

**CICS connectivity components**
The Client daemon, the EXCI (External CICS Interface), and the IPIC (IP Interconnectivity) protocol are collectively called the 'CICS connectivity components'. The Client daemon handles the TCP/IP and the SNA protocols.

**CICS Request Exit**
An exit that is invoked by the CICS Transaction Gateway for z/OS at run time to determine which CICS server to use.

**CICS server name**
A defined server known to CICS Transaction Gateway.

**CICS TS**
Abbreviation of CICS Transaction Server.

**class** In object-oriented programming, a model or template that can be instantiated to create objects with a common definition and therefore, common properties, operations, and behavior. An object is an instance of a class.

**CLASSPATH**
In the execution environment, an environment variable keyword that specifies the directories in which to look for class and resource files.

**Client API**
The Client API is the interface used by Client applications to interact with CICS using the Client daemon. See External Call Interface, External Presentation Interface, and External Security Interface.

**Client application**
The client application is a user application written in a supported programming language that uses one or more of the CICS Transaction Gateways APIs.

**Client daemon**
The Client daemon manages TCP/IP and SNA connections to CICS servers on UNIX, Linux, and Windows. It processes ECI, EPI, and ESI requests, sending and receiving the appropriate flows to and from the CICS server to satisfy Client application requests. It can support concurrent requests to one or more CICS servers. The CICS Transaction Gateway initialization file defines the operation of the Client daemon and the servers and protocols used for communication.

**client/server**
Pertaining to the model of interaction in distributed data processing in which a program on one computer sends a request to a program on another computer and awaits a response. The requesting program is called a client; the answering program is called a server.

**CNOS** See *Change-Number-of-Sessions*.

**code page**
An assignment of hexadecimal identifiers (code points) to graphic characters. Within a given code page, a code point can have only one meaning.

**color mapping file**
A file that is used to customize the 3270 screen color attributes on client workstations.

**COMMAREA**
See *communication area*.

**commit phase**
The second phase in a XA process. If all participants acknowledge that they are prepared to commit , the transaction manager issues the commit request. If any participant is not prepared to commit the transaction manager issues a back-out request to all participants.

**communication area (COMMAREA)**
A communication area that is used for passing data both between programs within a transaction and between transactions.

**Configuration file**
A file that specifies the characteristics of a program, system device, server or network.

**connection**
In data communication, an association established between functional units for conveying information.

In Open Systems Interconnection architecture, an association established by a given layer between two or more entities of the next higher layer for the purpose of data transfer.

In TCP/IP, the path between two protocol application that provides reliable data stream delivery service.

In Internet, a connection extends from a TCP application on one system to a TCP application on another system.

**container**
A container is a named block of data designed for passing information between programs. A container is a "named COMMAREA" that is not limited to 32KB. Containers are grouped together in sets called channels.

**container-managed transaction**
A transaction where the EJB container is responsible for administration of tasks such as committal or rollback. See also *bean-managed transaction*.

**control table**
In CICS, a storage area used to describe or define the configuration or operation of the system.

**conversation**
A connection between two programs over a session that allows them to communicate with each other while processing a transaction.

**conversation security**
In APPC, a process that allows validation of a user ID or group ID and password before establishing a connection.

**D**

**daemon**
A program that runs unattended to perform continuous or periodic systemwide functions, such as network control. A daemon can be launched automatically, such as when the operating system is started, or manually.

**data link control (DLC)**
A set of rules used by nodes on a data link (such as an SDLC link or a token ring) to accomplish an orderly exchange of information.

**DBCS** See *double-byte character set*.

**default CICS server**
The CICS server that is used if a server name is not specified on an ECI, EPI, or ESI request. The default CICS server name is defined as a product wide setting in the configuration file (ctg.ini).

**dependent logical unit**
A logical unit that requires assistance from a system services control point (SSCP) to instantiate an LU-to-LU session.

**deprecated**
Pertaining to an entity, such as a programming element or feature, that is supported but no longer recommended, and that might become obsolete.

**digital certificate**
An electronic document used to identify an individual, server, company, or some other entity, and to associate a public key with the entity. A digital certificate is issued by a certificate authority and is digitally signed by that authority.

**digital signature**
Information that is encrypted with an entity's private key and is appended to a message to assure the recipient of the authenticity and integrity of the message. The digital signature proves that the message was signed by the entity that owns, or has access to, the private key or shared secret symmetric key.

**distinguished name**
The name that uniquely identifies an entry in a directory. A distinguished name is made up of attribute:value pairs, separated by commas. The format of a distinguished name is defined by RFC4514. For more information, see `http://www.ietf.org/rfc/rfc4514.txt`. See also *realm name* and *identity propagation*.

**distributed application**
An application for which the component application programs are distributed between two or more interconnected processors.

**distributed identity**
User identity information that originates from a remote system. The distributed identity is created in one system and is passed to one or more other systems over a network. See also *distinguished name* and *realm name*.

**distributed processing**
The processing of different parts of the same application in different systems, on one or more processors.

**distributed program link (DPL)**
A link that enables an application program running on one CICS system to link to another application program running in another CICS system.

**DLC** See *data link control*.

**DLL** See *dynamic link library*.

**domain**
In the Internet, a part of a naming hierarchy in which the domain name consists of a sequence of names (labels) separated by periods (dots).

**domain name**
In TCP/IP, a name of a host system in a network.

**domain name server**
In TCP/IP, a server program that supplies name-to-address translation by mapping domain names to IP addresses. Synonymous with name server.

**dotted decimal notation**
The syntactical representation for a 32-bit integer that consists of four 8-bit numbers written in base 10 with periods (dots) separating them. It is used to represent IP addresses.

**double-byte character set (DBCS)**
A set of characters in which each character is represented by 2 bytes. Languages such as Japanese, Chinese and Korean, which contain more symbols than can be represented by 256 code points, require double-byte character sets. Because each character requires 2 bytes, the typing, display, and printing of DBCS characters requires hardware and programs that support DBCS. Contrast with *single-byte character set.*

**DPL** See *distributed program link*.

**dynamic link library (DLL)**
A collection of runtime routines made available to applications as required.

**dynamic server selection (DSS)**
The mapping of a logical CICS server name to an actual CICS server name at run time.

**E**

**EBCDIC**
See *extended binary-coded decimal interchange code*.

**ECI** See *external call interface*.

**EJB** See *Enterprise JavaBeans*.

**emulation program**
A program that allows a host system to communicate with a workstation in the same way as it would with the emulated terminal.

**emulator**
A program that causes a computer to act as a workstation attached to another system.

**encryption**
The process of transforming data into an unintelligible form in such a way that the original data can be obtained only by using a decryption process.

**enterprise bean**
A Java™ component that can be combined with other resources to create JEE applications. There are three types of enterprise beans: entity beans, session beans, and message-driven beans.

**Enterprise Information System (EIS)**
The applications that comprise an enterprise's existing system for handling

company-wide information. An enterprise information system offers a well-defined set of services that are exposed as local or remote interfaces or both.

**Enterprise JavaBeans (EJB)**
A component architecture defined by Sun Microsystems for the development and deployment of object-oriented, distributed, enterprise-level applications (JEE).

**environment variable**
A variable that specifies the operating environment for a process. For example, environment variables can describe the home directory, the command search path, the terminal in use, and the current time zone.

**EPI** See *external presentation interface*.

**ESI** See *external security interface*.

**Ethernet**
A local area network that allows multiple stations to access the transmission medium at will without prior coordination, avoids contention by using carrier sense and deference, and resolves contention by using collision detection and transmission. Ethernet uses carrier sense multiple access with collision detection (CSMA/CD).

**EXCI** See *external CICS interface*.

**extended binary-coded decimal interchange code (EBCDIC)**
A coded character set of 256 8-bit characters developed for the representation of textual data.

**extended logical unit of work (extended LUW)**
A logical unit of work that is extended across successive ECI requests to the same CICS server.

**external call interface (ECI)**
A facility that allows a non CICS program to run a CICS program. Data is exchanged in a COMMAREA or a channel as for usual CICS interprogram communication.

**external communications interface (EXCI)**
An MVS™ application programming interface provided by CICS Transaction Server for z/OS that enables a non-CICS program to call a CICS program and to pass and receive data using a COMMAREA. The CICS application program is started as if linked-to by another CICS application program.

**external presentation interface (EPI)**
A facility that allows a non CICS program to appear to CICS as one or more standard 3270 terminals. 3270 data can be presented to the user by emulating a 3270 terminal or by using a graphical user interface.

**external security interface (ESI)**
A facility that enables client applications to verify and change passwords for user IDs on CICS servers.

**External Security Manager (ESM)**
A security manager that operates outside CICS. For example, RACF® can be used as an external security manager with CICS Transaction Server.

**F**

**firewall**
A configuration of software that prevents unauthorized traffic between a trusted network and an untrusted network.

**FMH** See *function management header*.

**fully-qualified APPLID**
Used to identify CICS Transaction Gateway connections on the CICS server and tasks in a CICSplex. It is composed of an APPLID with an optional network qualifier. See also *APPLID* and *APPLID qualifier*.

**function management header (FMH)**
One or more headers, optionally present in the leading request units (RUs) of an RU chain, that allow one LU to (a) select a transaction program or device at the session partner and control the way in which the end-user data it sends is handled at the destination, (b) change the destination or the characteristics of the data during the session, and (c) transmit between session partners status or user information about the destination (for example, a program or device). Function management headers can be used with LU type 1, 4, and 6.2 protocols.

## G

**Gateway**
A device or program used to connect two systems or networks.

**Gateway classes**
The Gateway classes provide APIs for ECI, EPI, and ESI that allow communication between Java client applications and the Gateway daemon.

**Gateway daemon**
A long-running Java process that listens for network requests from remote Client applications. It issues these requests to CICS servers using the CICS connectivity components. The Gateway daemon on z/OS processes ECI requests and on UNIX, Windows, and Linux platforms it process EPI and ESI requests as well. The Gateway daemon uses the GATEWAY section of ctg.ini for its configuration.

**Gateway group**
A set of Gateway daemons that share an APPLID qualifier, and where each Gateway daemon has a unique APPLID within the Gateway group.

**Gateway token**
A token that represents a specific Gateway daemon, when a connection is established successfully. Gateway tokens are used in the C language statistics and ECI V2 APIs.

**global transaction**
A recoverable unit of work performed by one or more resource managers in a distributed transaction processing environment and coordinated by an external transaction manager.

## H

**HA group**
See *highly available Gateway group*.

**highly available Gateway group (HA group)**
A Gateway group that utilizes TCP/IP load balancing, and can be viewed

as a single logical Gateway daemon. A Gateway daemon instance in a HA group can recover indoubt XA transactions on behalf of another Gateway daemon within the HA group

**host** A computer that is connected to a network (such as the Internet or an SNA network) and provides an access point to that network. The host can be any system; it does not have to be a mainframe.

**host address**
An IP address that is used to identify a host on a network.

**host ID**
In TCP/IP, that part of the IP address that defines the host on the network. The length of the host ID depends on the type of network or network class (A, B, or C).

**host name**
In the Internet suite of protocols, the name given to a computer. Sometimes, host name is used to mean the fully qualified domain name; other times, it is used to mean the most specific subname of a fully qualified domain name. For example, if mycomputer.city.company.com is the fully qualified domain name, either of the following can be considered the host name: mycomputer.city.company.com, mycomputer.

**hover help**
Information that can be viewed by holding a mouse over an item such as an icon in the user interface.

**HTTP** See *Hypertext Transfer Protocol*.

**HTTPS**
See *Hypertext Transfer Protocol Secure*.

**Hypertext Transfer Protocol (HTTP)**
In the Internet suite of protocols, the protocol that is used to transfer and display hypertext and XML documents.

**Hypertext Transfer Protocol Secure (HTTPS)**
A TCP/IP protocol that is used by World Wide Web servers and Web browsers to transfer and display hypermedia documents securely across the Internet.

## I

**ID data**
An ID data structure holds an individual result from a statistical API function.

**identity propagation**
The concept of preserving a user's security identity information (the distributed identity) independent of where the identity information has been created, for use during authorization and for auditing purposes. The distributed identity is carried with a request from the distributed client application to the CICS server, and is incorporated in the access control of the server as part of the authorization process, for example, using RACF. CICS Transaction Gateway flows the distributed identity to CICS. See also *distributed identity*.

**identity propagation login module**
A code component that provides support for identity propagation. The identity propagation login module is included with the CICS Transaction

Gateway ECI resource adapter (cicseci.rar), conforms to the JAAS specification and is contained in a single Java class within the resource adapter. See also *identity propagation*.

**iKeyman**
A tool for maintaining digital certificates for JSSE.

**in doubt**
The state of a transaction that has completed the prepare phase of the two-phase commit process and is waiting to be completed.

**in flight**
The state of a transaction that has not yet completed the prepare phase of the two-phase commit process.

**independent logical unit**
A logical unit (LU) that can both send and receive a BIND, and which supports single, parallel, and multiple sessions. See *BIND*.

**<install_path>**
This term is used in file paths to represent the directory where you installed the product. For more information, see .

**Internet Architecture Board**
The technical body that oversees the development of the internet suite of protocols known as TCP/IP.

**Internet Protocol (IP)**
In TCP/IP, a protocol that routes data from its source to its destination in an Internet environment.

**interoperability**
The capability to communicate, run programs, or transfer data among various functional units in a way that requires the user to have little or no knowledge of the unique characteristics of those units.

**IP** Internet Protocol.

**IPIC** See *IP interconnectivity*.

**IP address**
A unique address for a device or logical unit on a network that uses the IP standard.

**IP interconnectivity (IPIC)**
The IPIC protocol enables Distributed Program Link (DPL) access from a non-CICS program to a CICS program over TCP/IP, using the External Call Interface (ECI). IPIC passes and receives data using COMMAREAs, or containers.

## J

**JEE (formerly J2EE)**
See *Java 2 Platform Enterprise Edition*

**JEE Connector architecture (JCA)**
A standard architecture for connecting the JEE platform to heterogeneous enterprise information systems (EIS).

**Java** An object-oriented programming language for portable interpretive code that supports interaction among remote objects.

**Java 2 Platform Enterprise Edition (JEE)**
An environment for developing and deploying enterprise applications,

defined by Sun Microsystems Inc. The JEE platform consists of a set of services, application programming interfaces (APIs), and protocols that allow multi-tiered, Web-based applications to be developed.

**JavaBeans**
As defined for Java by Sun Microsystems, a portable, platform-independent, reusable component model.

**Java Client application**
The Java client application is a user application written in Java, including servlets and enterprise beans, that uses the Gateway classes.

**Java Development Kit (JDK)**
The name of the software development kit that Sun Microsystems provided for the Java platform, up to and including v 1.1.x. Sometimes used erroneously to mean the Java platform or as a generic term for any software developer kits for Java.

**JavaGateway**
The URL of the CICS Transaction Gateway with which the Java Client application communicates. The JavaGateway takes the form `protocol://address:port`. These protocols are supported: `tcp://`, `ssl://`, and `local:`. CICS Transaction Gateway runs with the default port value of 2006. This parameter is not relevant if you are using the protocol `local:`. For example, you might specify a JavaGateway of `tcp://ctg.business.com:2006`. If you specify the protocol as `local:` you will connect directly to the CICS server, bypassing any CICS Transaction Gateway servers.

**Java Native Interface (JNI)**
A programming interface that allows Java code running in a Java virtual machine to work with functions that are written in other programming languages.

**Java Runtime Environment (JRE)**
A subset of the Java Software Development Kit (SDK) that supports the execution, but not the development, of Java applications. The JRE comprises the Java Virtual Machine (JVM), the core classes, and supporting files.

**Java Secure Socket Extension (JSSE)**
A Java package that enables secure Internet communications. It implements a Java version of the Secure Sockets Layer (SSL) and Transport Layer Security (TSL) protocols and supports data encryption, server authentication, message integrity, and optionally client authentication.

**Java virtual machine (JVM)**
A software implementation of a processor that runs compiled Java code (applets and applications).

**JDK** See *Java development kit*.

**JCA** See *JEE Connector Architecture* .

**JNI** See *Java Native Interface*.

**JRE** See *Java Runtime Environment*

**JSSE** See *Java Secure Socket Extension*.

**JVM** See *Java Virtual Machine*.

**K**

**keyboard mapping**
A list that establishes a correspondence between keys on the keyboard and characters displayed on a display screen, or action taken by a program, when that key is pressed.

**Keystore**
In the JSSE protocol, a file that contains public keys, private keys, trusted roots, and certificates.

**L**

**local mode**
Local mode describes the use of the CICS Transaction Gateway *local* protocol. The Gateway daemon is not used in local mode.

**local transaction**
A recoverable unit of work managed by a resource manager and not coordinated by an external transaction manager.

**logical CICS server**
An alias that can be passed on an ECI request when running in remote mode to CICS Transaction Gateway for z/OS. The alias name is mapped to an actual CICS server name by a dynamic server selection (DSS) mechanism.

**logical end of day**
The local time of day on the 24-hour clock to which a Gateway daemon aligns statistics intervals. If the statistics interval is 24 hours, this is the local time at which interval statistics will be reset and, on z/OS, optionally recorded to SMF. This time is set using the **stateod** parameter in the configuration file (ctg.ini).

**logical unit (LU)**
In SNA, a port through which an end user accesses the SNA network to communicate with another end user and through which the end user accesses the functions provided by system services control points (SSCP). An LU can support at least two sessions, one with an SSCP and one with another LU, and might be capable of supporting many sessions with other logical units. See also *network addressable unit*, *primary logical unit*, *secondary logical unit*.

**logical unit 6.2 (LU 6.2)**
A type of logical unit that supports general communications between programs in a distributed processing environment.

The LU type that supports sessions between two applications using APPC.

**logical unit of work (LUW)**
The processing that a program performs between synchronization points

**LU** See *logical unit*.

**LU 6.2** See *logical unit 6.2*.

**LU-LU session**
In SNA, a session between two logical units (LUs) in an SNA network. It provides communication between two end users, or between an end user and an LU services component.

**LU-LU session type 6.2**
In SNA, a type of session for communication between peer systems. Synonymous with APPC protocol.

**LUW** See *logical unit of work*.

**M**

**managed mode**
Describes an environment in which connections are obtained from connection factories that the JEE server has set up. Such connections are owned by the JEE server.

**media access control (MAC) sublayer**
One of two sublayers of the ISO Open Systems Interconnection data link layer proposed for local area networks by the IEEE Project 802 Committee on Local Area Networks and the European Computer Manufacturers Association (ECMA). It provides functions that depend on the topology of the network and uses services of the physical layer to provide services to the logical link control (LLC) sublayer. The OSI data link layer corresponds to the SNA data link control layer.

**method**
In object-oriented programming, an operation that an object can perform. An object can have many methods.

**mode** In SNA, a set of parameters that defines the characteristics of a session between two LUs.

**N**

**name server**
In TCP/IP, synonym for Domain Name Server. In Internet communications, a host that translates symbolic names assigned to networks and hosts into IP addresses.

**NAU** See *network addressable unit*.

**network address**
In SNA, an address, consisting of subarea and element fields, that identifies a link, link station, or network addressable unit (NAU). Subarea nodes use network addresses; peripheral nodes use local addresses. The boundary function in the subarea node to which a peripheral node is attached transforms local addresses to network addresses and vice versa. See also *network name*.

**network addressable unit (NAU)**
In SNA, a logical unit, a physical unit, or a system services control point. The NAU is the origin or the destination of information transmitted by the path control network. See also *logical unit, network address, network name*.

**network name**
In SNA, the symbolic identifier by which end users refer to a network addressable unit (NAU), link station, or link. See also *network address*.

**node type**
In SNA, a designation of a node according to the protocols it supports and the network addressable units (NAUs) it can contain. Four types are defined: 1, 2, 4, and 5. Type 1 and type 2 nodes are peripheral nodes; type 4 and type 5 nodes are subarea nodes.

**nonextended logical unit of work**
See *SYNCONRETURN*.

**nonmanaged mode**
An environment in which the application is responsible for generating and

configuring connection factories. The JEE server does not own or know about these connection factories and therefore provides no Quality of Service facilities.

**O**

**object** In object-oriented programming, a concrete realization of a class that consists of data and the operations associated with that data.

**object-oriented (OO)**
Describing a computer system or programming language that supports objects.

**one-phase commit**
A protocol with a single commit phase, that is used for the coordination of changes to recoverable resources when a single resource manager is involved.

**OO** See *object-oriented*.

**P**

**pacing**
A technique by which a receiving station controls the rate of transmission of a sending station to prevent overrun.

**parallel session**
In SNA, two or more concurrently active sessions between the same two LUs using different pairs of network addresses. Each session can have independent session parameters.

**PING** In Internet communications, a program used in TCP/IP networks to test the ability to reach destinations by sending the destinations an Internet Control Message Protocol (ICMP) echo request and waiting for a reply.

**partner logical unit (PLU)**
In SNA, the remote participant in a session.

**partner transaction program**
The transaction program engaged in an APPC conversation with a local transaction program.

**password phrase**
A character string, between 9 and 100 characters in length, that is used for authentication when a user signs on to CICS. Because a password phrase can provide an exponentially greater number of possible combinations of characters than a standard 8 character password, the use of password phrases can enhance system security. Password phrases are verified by the External Security Manager (ESM), and can contain alphanumeric characters, and any of the other non alphanumeric characters that are supported by the ESM. See also *External Security Manager (ESM)*.

**PLU** See *primary logical unit* and *partner logical unit*.

**port** An endpoint for communication between devices, generally referring to a logical connection. A 16-bit number identifying a particular Transmission Control Protocol (TCP) or User Datagram Protocol (UDP) resource within a given TCP/IP node.

**port sharing**
A way of load balancing TCP/IP connections across a group of servers running in the same z/OS image.

**prepare phase**
The first phase of a XA process in which all participants are requested to confirm readiness to commit.

**presentation logic**
The part of a distributed application that is concerned with the user interface of the application. Compare with *business logic*.

**primary logical unit (PLU)**
In SNA, the logical unit that contains the primary half-session for a particular logical unit-to-logical unit (LU-to-LU) session. See also *secondary logical unit*.

**<product_data_path>**
This term represents the directory used by the Windows CICS Transaction Gateway for common application data. For more information, see .

**protocol boundary**
The signals and rules governing interactions between two components within a node.

## Q

**Query strings**
Query strings are used in the statistical data API. A query string is an input parameter, specifying the statistical data to be retrieved.

## R

**RACF** See *Resource Access Control Facility*.

**realm** A named collection of users and groups that can be used in a specific security context. See also *distinguished name* and *identity propagation*.

**Recoverable resource management services (RRMS)**
The registration services, context services, and resource recovery services provided by the z/OS sync point manager that enable consistent changes to be made to multiple protected resources.

**Resource Access Control Facility (RACF)**
An IBM licensed program that provides access control by identifying users to the system; verifying users of the system; authorizing access to protected resources; logging detected unauthorized attempts to enter the system; and logging detected accesses to protected resources.

**region** In workload management on CICS Transaction Gateway for Windows, an instance of a CICS server.

**remote mode**
Remote mode describes the use of one of the supported CICS Transaction Gateway network protocols to connect to the Gateway daemon.

**remote procedure call (RPC)**
A protocol that allows a program on a client computer to run a program on a server.

**Request monitoring exits**
Exits that provide information about individual requests as they are processed by the CICS Transaction Gateway.

**request unit (RU)**
In SNA, a message unit that contains control information such as a request code, or function management (FM) headers, end-user data, or both.

**request/response unit**
A generic term for a request unit or a response unit. See also *request unit* and *response unit*.

**response file**
A file that contains predefined values that is used instead of someone having to enter those values one at a time. See also *CID methodology*.

**response unit (RU)**
A message unit that acknowledges a request unit; it can contain prefix information received in a request unit.

**Resource adapter**
A system-level software driver that is used by an EJB container or an application client to connect to an enterprise information system (EIS). A resource adapter plugs in to a container; the application components deployed on the container then use the client API (exposed by adapter) or tool-generated, high-level abstractions to access the underlying EIS.

**resource group ID**
A resource group ID is a logical grouping of resources, grouped for statistical purposes. A resource group ID is associated with a number of resource group statistics, each identified by a statistic ID.

**resource ID**
A resource ID refers to a specific resource. Information about the resource is included in resource-specific statistics. Each statistic is identified by a statistic ID.

**resource manager**
The participant in a transaction responsible for controlling access to recoverable resources. In terms of the CICS resource adapters this is represented by an instance of a ConnectionFactory.

**Resource Recovery Services (RRS)**
A z/OS facility that provides two-phase sync point support across participating resource managers.

**Result set**
A result set is a set of data calculated or recorded by a statistical API function.

**Result set token**
A result set token is a reference to the set of results returned by a statistical API function.

**rollback**
An operation in a transaction that reverses all the changes made during the unit of work. After the operation is complete, the unit of work is finished. Also known as a backout.

**RU** See *Request unit* and *Response unit*.

**RPC** See *remote procedure call*.

**RRMS**
See *Recoverable resource management services*.

**RRS** See *Resource Recovery Services*.

**S**

**SBCS** See *single-byte character set*.

**secondary logical unit (SLU)**
In SNA, the logical unit (LU) that contains the secondary half-session for a particular LU-LU session. Contrast with primary logical unit. See also *logical unit*.

**Secure Sockets Layer (SSL)**
A security protocol that provides communication privacy. SSL enables client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery. SSL applies only to internet protocols, and is not applicable to SNA.

**server name remapping**
See *dynamic server selection*.

**servlet**
A Java program that runs on a Web server and extends the server's functionality by generating dynamic content in response to Web client requests. Servlets are commonly used to connect databases to the Web.

**session limit**
In SNA, the maximum number of concurrently active logical unit to logical unit (LU-to-LU) sessions that a particular logical unit (LU) can support.

**silent installation**
Installation that does not display messages or windows during its progress. Silent installation is not a synonym of "unattended installation", although it is often improperly used as such.

**single-byte character set (SBCS)**
A character set in which each character is represented by 1 byte. Contrast with double-byte character set.

**sign-on capable terminal**
A sign-on capable terminal allows sign-on transactions that are either supplied with CICS (CESN) or written by the user, to be run. Contrast with sign-on incapable terminal.

**SIT** See *system initialization table*.

**SLU** See *secondary logical unit*.

**SMF** The z/OS System Management Facility (SMF) collects and records system and job-related information that your z/OS installation can use for reporting, billing, analysis, profiling, and maintaining system security. CICS TG for z/OS writes statistical data to SMF.

**SMIT** See *System Management Interface Tool*.

**SNA** See *Systems Network Architecture*.

**SNA sense data**
An SNA-defined encoding of error information In SNA, the data sent with a negative response, indicating the reason for the response.

**SNASVCMG mode name**
The SNA service manager mode name. This is the architecturally-defined mode name identifying sessions on which CNOS is exchanged. Most APPC-providing products predefine SNASVCMG sessions.

**socket** A network communication concept, typically representing a point of connection between a client and a server. A TCP/IP socket will normally combine a host name or IP address, and a port number.

**SSL** See *Secure Sockets Layer*.

**SSLight**
An implementation of SSL, written in Java, and no longer supported by CICS Transaction Gateway.

**statistic data**
A statistic data structure holds individual statistical result returned after calling a statistical API function.

**statistic group**
A generic term for a collection of statistic IDs.

**statistic ID**
A label referring to a specific statistic. A statistic ID is used to retrieve specific statistical data, and always has a direct relationship with a statistic group.

**standard error**
In many workstation-based operating systems, the output stream to which error messages or diagnostic messages are sent.

**subnet**
An interconnected, but independent segment of a network that is identified by its Internet Protocol (IP) address.

**subnet address**
In Internet communications, an extension to the basic IP addressing scheme where a portion of the host address is interpreted as the local network address.

**sync point**
Synchronization point. During transaction processing, a reference point to which protected resources can be restored if a failure occurs.

**SYNCONRETURN**
A request where the CICS server takes a sync point on successful completion of the server program. Changes to recoverable resources made by the server program are committed or rolled-back independently of changes to recoverable resources made by the client program issuing the ECI request, or changes made by the server in any subsequent ECI request. Also referred to as a *nonextended logical unit of work*.

**system initialization table (SIT)**
A table containing parameters used to start a CICS control region.

**System Management Command**
An administrative request received by a Gateway daemon (or Gateway daemon address space on z/OS) from the **ctgadmin** command (on UNIX, Linux, or Windows) or the z/OS console. The request might be made to retrieve information about the Gateway daemon, or to alter some aspect of Gateway daemon behavior. Typically, a **ctgadmin** command in the form **ctgadmin** <command string> is entered by an operator using the command line interface, or a modify command in the form `/F <job name>,APPL=<command string>` is entered by an operator on the z/OS console.

**System Management Interface Tool (SMIT)**
An interface tool of the AIX® operating system for installing, maintaining, configuring, and diagnosing tasks.

**Systems Network Architecture (SNA)**
An architecture that describes the logical structure, formats, protocols, and operational sequences for transmitting information units through the

networks and also the operational sequences for controlling the configuration and operation of networks.

**System SSL**
An implementation of SSL, no longer supported by CICS Transaction Gateway on z/OS.

**T**

**TCP/IP**
See *Transmission Control Protocol/Internet Protocol*.

**TCP/IP load balancing**
The ability to distribute TCP/IP connections across target servers.

**terminal emulation**
The capability of a personal computer to operate as if it were a particular type of terminal linked to a processing unit and to access data. See also *emulator, emulation program*.

**thread** A stream of computer instructions that is in control of a process. In some operating systems, a thread is the smallest unit of operation in a process. Several threads can run concurrently, performing different jobs.

**timeout**
A time interval that is allotted for an event to occur or complete before operation is interrupted.

**TLS** See *Transport Layer Security*.

**token-ring network**
A local area network that connects devices in a ring topology and allows unidirectional data transmission between devices by a token-passing procedure. A device must receive a token before it can transmit data.

**trace** A record of the processing of a computer program. It exhibits the sequences in which the instructions were processed.

**transaction manager**
A software unit that coordinates the activities of resource managers by managing global transactions and coordinating the decision to commit them or roll them back.

**transaction program**
A program that uses the Advanced Program-to-Program Communications (APPC) application programming interface (API) to communicate with a partner application program on a remote system.

**Transmission Control Protocol/Internet Protocol (TCP/IP)**
An industry-standard, nonproprietary set of communications protocols that provide reliable end-to-end connections between applications over interconnected networks of different types.

**Transport Layer Security (TLS)**
A security protocol that provides communication privacy. TLS enables client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery. TLS applies only to internet protocols, and is not applicable to SNA. TLS is also known as SSL 3.1.

**Two-phase commit**
A protocol with both a prepare and a commit phase, that is used for the

coordination of changes to recoverable resources when more than one resource manager is used by a single transaction.

**type 2.0 node**
A node that attaches to a subarea network as a peripheral node and provides a range of end-user services but no intermediate routing services.

**type 2.1 node**
An SNA node that can be configured as an endpoint or intermediate routing node in a network, or as a peripheral node attached to a subarea network.

**U**

**unattended installation**
Unattended installation is installation performed without user interaction during its progress, or, with no user present at all, except for the initial launch of the process. -

**Uniform Resource Locator (URL)**
A sequence of characters that represent information resources on a computer or in a network such as the Internet. This sequence of characters includes (a) the abbreviated name of the protocol used to access the information resource and (b) the information used by the protocol to locate the information resource.

**unit of recovery (UR)**
A defined package of work to be performed by the RRS.

**unit of work (UOW)**
A recoverable sequence of operations performed by an application between two points of consistency. A unit of work begins when a transaction starts or at a user-requested sync point. It ends either at a user-requested sync point or at the end of a transaction.

**UOW** See *unit of work*.

**UR** See *unit of recovery*.

**URL** See *Uniform Resource Locator*.

**user registry**
The location where the distinguished name of a user is defined and authenticated. See also *distinguished name*.

**user session**
Any APPC session other than a SNASVCMG session.

**V**

**verb** A reserved word that expresses an action to be taken by an application programming interface (API), a compiler, or an object program.

In SNA, the general name for a transaction program's request for communication services.

**version string**
A character string containing version information about the statistical data API.

**W**

**WAN** See *wide area network*.

**Web browser**
A software program that sends requests to a Web server and displays the information that the server returns.

**Web server**
A software program that responds to information requests generated by Web browsers.

**wide area network (WAN)**
A network that provides communication services to a geographic area larger than that served by a local area network or a metropolitan area network, and that can use or provide public communication facilities.

**Wrapping trace**
On Windows, UNIX, and Linux, a configuration in which the **Maximum Client wrap size** setting is greater than 0. The total size of Client daemon binary trace files is limited to the value specified in the **Maximum Client wrap size** setting. With standard I/O tracing, two files, called `cicscli.bin` and `cicscli.wrp`, are used; each can be up to half the size of the **Maximum Client wrap size**.

## X

**XA request**
Any request sent or received by the CICS Transaction Gateway in support of an XA transaction. These requests include the XA commands commit, complete, end, forget, prepare, recover, rollback, and start.

**XA transaction**
A global transaction that adheres to the X/Open standard for distributed transaction processing (DTP.)

# Index

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**CICS Transaction Gateway**
**Version 9 Release 0**
**Messages**

**Publication No. SC34-2834-02**

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