

# IBM Tivoli Enterprise Console Version 3.8.0 Fix Pack 5 Readme

Date: December 16, 2005

Name: 3.8.0-TEC-FP05

Component: IBM Tivoli Enterprise Console Version 3.8

PTF Number: **U800002**

*Before using this information and the product it supports, read the information in the "Notices" section, at the end of this document.*

First Edition (December 2005)

This edition applies to version 3, release 8 of the IBM Tivoli Enterprise Console product (product number 5698TEC00) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## About this fix pack

This section provides general information about this fix pack. Read this entire document before you install this fix pack. This Readme document is provided in Adobe Acrobat and HTML formats only.

## Fix pack contents

The 3.8.0-TEC-FP05.tar file contains the following contents:

- This readme file
- An image report covering the non-Language Pack portion of this fix pack
- An image report covering the Language Pack portion of this fix pack
- Images for this fix pack

## Tar files

In addition to the complete 3.8.0-TEC-FP05.tar tar file, the fix pack download directory includes the Components subdirectory that contains tar files of the different components of the fix pack. Use these tar files to download only the parts of the fix pack you want, to save download time and disk space. The files included in the Components subdirectory tar files are the same files included in 3.8.0-TEC-FP05.tar file, with the exception of the readme files, which are only available in the top-level directory and the complete tar file.

The Components subdirectory includes the following:

Component	Directory	File name	Size
TMF install images	TME®	3.8.0-TEC-FP05-TME.tar	119MB
Database Configuration Wizard	DBASSISTANT	3.8.0-TEC-FP05-DBASSISTANT.tar	215MB
Language Pack	NLS	3.8.0-TEC-FP05-NLS.tar	16MB
Non-TME files (console and adapters)	NON_TME	3.8.0-TEC-FP05-NON_TME-AIX4-R1.tar	49MB
		3.8.0-TEC-FP05-NON_TME-AS400.tar	11MB
		3.8.0-TEC-FP05-NON_TME-EIF.tar	2.6MB
		3.8.0-TEC-FP05-NON_TME-HPUX.tar	103MB
		3.8.0-TEC-FP05-NON_TME-LINUX-IX86.tar	54MB
		3.8.0-TEC-FP05-NON_TME-LINUX-S390.tar	7.0MB
		3.8.0-TEC-FP05-NON_TME-MIPS-IRIX5.tar	6.7MB
		3.8.0-TEC-FP05-NON_TME-OSF-AXP.tar	7.9MB
		3.8.0-TEC-FP05-NON_TME-RELIANT-UNIX.tar	7.4MB
		3.8.0-TEC-FP05-NON_TME-SOLARIS2-IX86.tar	6.1MB
		3.8.0-TEC-FP05-NON_TME-SOLARIS2.tar	73MB
		3.8.0-TEC-FP05-NON_TME-UW2-IX86.tar	6.4MB
		3.8.0-TEC-FP05-NON_TME-W32-IX86.tar	72MB

## Patches superseded by this fix pack

- 3.8.0-TEC-FP01
- 3.8.0-TEC-ELFALA
- 3.8.0-TEC-FP02
- 3.8.0-TEC-FP03
- 3.8.0-TEC-FP04
- 3.8.0-TEC-0024LA
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- 3.8.0-TEC-0026LA
- 3.8.0-TEC-0027LA
- 3.8.0-TEC-0028LA
- 3.8.0-TEC-0029LA
- 3.8.0-TEC-0030LA
- 3.8.0-TEC-0031LA
- 3.8.0-TEC-0032LA
- 3.8.0-TEC-0033LA

- 3.8.0-TEC-0034LA
- 3.8.0-TEC-0035LA
- 3.8.0-TEC-0036LA

## Supported operating systems

The section lists the operating systems that are supported by this fix pack.

Supported Operating System Versions	Event Server	Gateway	Endpoint Adapters	UI Server	Event Console
AIX® 5.1	X	X	X	X	X
AIX 5.1.0 C (32 bit)	X	X	X	X	X
AIX 5.2 (32, 64 bit)	X	X	X	X	X
Compaq Tru64 5.1b			X		
HP-UX 11i (32, 64 bit)	X	X	X	X	X
Novell NetWare 6.5			X		
OS/400® 5.2 (32, 64 bit), 5.3 (32, 64bit)			X		
Red Hat Advanced Server 2.1 (IA32)	X	X	X	X	X
SCO UnixWare 7.1.3			X		
SGI IRIX 6.5.x			X		
Siemens Reliant UNIX 5.4.5			X		
Solaris 8 (x86)			X		
Solaris 8, 9 (32, 64 bit)	X	X	X	X	X
SUSE Linux® Enterprise Server (SLES) 8 (IA32) (Powered by UnitedLinux 1)	X	X	X	X	X
SUSE Linux Enterprise Server (SLES) 8 (zSeries) (Powered by UnitedLinux 1)	X	X	X	X	
Turbo Linux for Intel 7.0	X	X	X	X	X
Windows XP Professional (SP1/2)			X		X
Windows Server 2003 Standard Edition (32 bit) Including SP1 <sup>1</sup>	X	X	X	X	X
Windows Server 2003 Enterprise Edition (32 bit) Including SP1 <sup>1</sup>	X	X	X	X	X
Windows Server 2003 Datacenter Edition (32 bit) Including SP1 <sup>1</sup>			X		

[SP1 issues with ICS and firewall?](#)

### Notes:

- Subsequent to FP05, the following operating systems and databases are no longer supported by their vendor and are therefore among those that are out of support:
  - DB2® 7.1 and 7.2
  - Informix 9.3
  - Microsoft SQL Server 7.0
  - OS/400 V5R1
  - SCO UnixWare 7.1.1
  - Windows 2000
- Solaris refers to the Solaris Operating Environment and will hereinafter be referred to as Solaris.

- This platform support table is based on information available at the time of this fix pack release. This table reflects those operating systems that have reached end of life, as indicated by the operating system vendor. Refer to the online support from IBM for current support information.

## Supported databases

The section lists the databases that are supported by this fix pack.

RDBMS Vendor	Version
IBM DB2	8.1 (FP4)
Informix®	9.4
Microsoft® SQL Server	2000
Oracle	9i, 9i v2 (32-bit client)
Sybase	12.0, 12.5

Notes:

- Tivoli Management Framework version 3.7.1 does not support DB2 8.x client RIM hosts on Solaris. Please see the following workaround: [TMF 3.7.1 with DB2 8.x on Solaris](#)
- Tivoli Management Framework version 3.7.1 does not allow for RIM hosts to be configured on Linux systems.
- Tivoli Management Framework version 3.7.1 does not support DB2 RIM objects on HP-UX systems.
- Although the Windows NT® operating system is not supported, the Windows NT event log adapter is available as part of the Adapter Configuration Facility (ACF), and you can distribute the Windows NT event log adapter to Windows NT endpoints.

## Fix pack notes

Read the following notes prior to installing the fix pack. You should also read the new information about installing and configuring the enhanced logfile adapters. The [Documentation updates](#) section contains information about changes to documentation that are relevant for this fix pack. See the reference manuals for your operating system for information about operating system specific commands.

- Prior to this Fix Pack, incompatible versions of the event console could potentially cause corruption of console definitions in the event database. In TEC 3.8 Fix Pack 5, the TEC user interface (UI) server design has been improved to prevent incompatible versions of the event console from corrupting console definitions in the event database. A version checking feature has been added, giving the UI Server the ability to verify that the version of the event console is compatible with the version of the UI Server before allowing the console to access the event database. (175577)

**WARNING: Any console version prior to TEC 3.8 Fix Pack 5 is incompatible with the TEC 3.8 Fix Pack 5 UI Server. In addition, all TEC 3.9 Event Consoles are incompatible with the TEC 3.8 Fix Pack 5 UI Server. Attempting to use an incompatible event console when the version checking feature is disabled or not installed on the UI Server can result in corruption of the console definitions in the event database.**

The version checking feature is controlled by a configuration file, `$BINDIR/TME/TEC/.ui_server_config`, which is created during the installation of a TEC 3.8 Fix Pack 5 or later UI Server. The file includes a parameter named `tec_ui_server_version_checking_enabled`. This parameter determines whether the version checking feature is enabled or not. The default value is true; the feature can be disabled by setting the parameter to false.

Example:

```
tec_ui_server_version_checking_enabled=FALSE
```

When the version checking feature is disabled on the UI Server, unpredictable results will occur when using incompatible versions of the event console. In some cases, the console will display a blank screen; in other cases, the console will appear to function normally, but may cause corruption of the console definitions in the event database.

When the version checking feature is enabled on the UI Server, all incompatible versions of the event console will display a blank screen once an operator logs in to the console. The Summary, Priority and Configuration views will not be available in these

consoles, and all wconsole commands will fail. The 3.8.0-TEC-FP05 and later event consoles will display a pop-up error message informing the operator of the incompatibility between the console and the UI Server. These versions of the console will terminate immediately after the operator acknowledges the message.

The 3.8.0-TEC-FP05 and later Event Console cannot be used with any version of the UI Server prior to 3.8.0-TEC-FP05. If an operator attempts to connect to a prior version of the UI Server, a pop-up error message will appear informing the operator of the incompatibility between the console and the UI Server. The console will terminate immediately after the operator acknowledges the message.

**Important:** For the version checking feature to take effect and work correctly, both the UI server and console components must be upgraded to TEC 3.8 Fix Pack 5 or later and then **restarted**. When the UI server is installed on a managed node, the `tec_ui_server` process must be stopped manually (if it is active) after the upgrade is complete. This can be done by terminating the process, or restarting the `oserv` process.

**Important:** While the version checking feature prevents corruption of the console definitions in the event database, an additional issue exists whereby incompatible event consoles can reset the global console preferences for all operators to the default values even with the version checking feature enabled (see APAR [IY76098](#)). To ensure that incompatible console versions can no longer overwrite the global console preferences for all event consoles, an administrator with the senior role must do the following using a 3.8.0-TEC-FP05 event console.

For the **non-TME console**, change to the installation directory of the console and do the following steps.

1. Run `./wtceexport -h <UI Server host name> -u <Administrator login name> -p <Administrator password> -f ./console_export.out`
2. Run `./wtceimport -h <UI Server host name> -u <Administrator name> -p <Administrator password> -f ./console_export.out -x r`

For the **TME console**, source the TME environment and do the following steps.

1. Run `wteexport -h <UI Server host name> -u <Administrator login name> -p <Administrator password> -f ./console_export.out`
2. Run `wteimport -h <UI Server host name> -u <Administrator name> -p <Administrator password> -f ./console_export.out -x r`

In addition, any new TEC operators MUST be created using an event console that is compatible with the 3.8.0-TEC-FP05 UI Server. If new TEC operators are created using an incompatible version of the event console, the problem described in [IY76098](#) will reoccur.

- Some network environments implement firewall rules that close idle connections after a specified length of time. In some cases, this idle timeout period is short enough to close the connection between the Java event console and the UI server. To prevent this, a new configuration parameter, `tec_ui_server_conn_keepalive_interval`, has been implemented to maintain an active connection. This parameter, which is located in the `$BINDIR/TME/TEC/.ui_server_config` file, specifies a sleep interval used by a keep-alive thread in the UI server. See the addendum to the *Command and Task Reference* in the [Documentation updates](#) section below. ([177672](#))
- Please see the following IBM Technotes if installing or updating TEC on the Windows 2003 platform with SP1 installed.  
[IBM - Windows Server 2003 SP1 MAY produce a General Oserv Failure when performing a TMF install](#)  
[Windows 2003 SP1 gives wrb rulebase create problems](#)
- The version number of the AS/400 adapter has been updated to show V3R8M0 in order to better determine what version of the adapter a customer is running.
- The SNMP event log adapters currently only support SNMP V1 traps.
- The non-TME console included in this fix pack has been updated. To use this new console, uninstall the previous non-TME console and install the new one.
- The `PollConnection`, `ProcessPriorityClass`, and `ProcessDisablePriorityBoost` configuration keywords were added to the adapter configuration file. See the [Installation and configuration](#) section for details about these keywords.

- The LogSources keyword specifies the ASCII log files to poll for messages. See the [Installation and configuration](#) section for details about this keyword.
- The FILENAME keyword can be used to populate an event attribute with the file name to identify the source of the event in cases where using a single adapter to monitor multiple log files. See the [Installation and configuration](#) section for details about this configuration option.
- The ReadBufBlocks configuration option is now available for all Windows adapters that monitor one or more files specified with the LogSources option. See the [Installation and configuration](#) section for details about this new keyword.
- The format specification of %n has been added to recognize a new line in a message to be matched. See the [Installation and configuration](#) section about this new format specification.
- To forward events from the Tivoli Enterprise Console version 3.8.0-TEC-FP01 or later to a version of the Tivoli Enterprise Console prior to version 3.8.0-TEC-FP01, you must update the TEC\_CLASSES/root.baroc file in the prior version's active rule base to include the fqhostname attribute in the EVENT class definition. Otherwise, the reception of these events fails with a PARSING\_FAILED error.  
Follow these steps to make the change:
  1. Add the following entry to the EVENT class attribute list:  
fqhostname STRING;
  2. Compile and load the rule base.
  3. Stop and then restart the Tivoli Enterprise Console server.
- This fix pack incorporates the enhanced logfile adapters introduced in 3.8.0-TEC-FP02. Existing and enhanced logfile adapters of the same type cannot be used on the same machine. See the [Installation and configuration](#) section for details about enhanced logfile adapters.
- The new tec\_recv\_timeout configuration parameter was added to the .tec\_config file. See the [Documentation updates](#) section for information about this new parameter.
- IY69440 In order to reestablish the correct acep-postemsg dependencies after installing the IBM Tivoli Monitoring for Application mySAP.com, the following script can be used:

```
$BINDIR/./generic_unix/TME/ABH/sh/sap_dependency.sh
```

#### Notes

1. This script is included when the IBM Tivoli Monitoring for Application mySAP.com product is installed.
2. This script must be run in a sourced Tivoli environment on the TMR server.

(This information is also available in IBM Technote #1191438)

- IY47079 The following keywords are available in the EIF configuration file to configure event forwarding to ping the destination server prior to sending an event:
  - PingTimeout**  
The maximum timeout (in seconds) for the ping call to try to access the destination server. If the PingTimeout is not specified, a ping call is not executed by the EIF before calling the socket connect call.
  - NumberOfPingCalls**  
The number of times the ping function should be invoked before determining the destination server is available. Due to some TCP/IP configurations, the very first ping call after the destination server is unplugged can return successfully. The default value for this keyword is 3.
- **Symptom:** Issuing **wsetemsg** command causes an address exception on Windows systems.  
**Resolution:** Issuing **wsetemsg** command no longer results in a Windows address exception.
- **Symptom:** On the AIX operating system, the **wrb** command runs slower on IBM Tivoli Enterprise Console 3.8.0.  
**Resolution:** On the AIX operating system, the **wrb** command has been changed to now run faster on IBM Tivoli Enterprise Console 3.8.0.

## Installation and configuration

This section provides installation information for the 3.8.0-TEC-FP05 fix pack for the IBM Tivoli Enterprise Console Version 3.8.0.

### Prerequisites

IBM Tivoli Enterprise Console Version 3.8.0

IBM Tivoli Management Framework Version 3.7.1, 4.1, or 4.1.1

Before the fix pack language support may be installed, the "IBM Tivoli Enterprise Console Version 3.8.0 Language Support" must have been previously installed.

To use the IBM Tivoli Enterprise Console NetView integration features, you must install IBM Tivoli NetView Version 7.1.3

### Installing the IBM Tivoli Enterprise Console Warehouse Enablement Pack

IBM Tivoli Enterprise Data Warehouse Version 1.1.3 is required for Warehouse Enablement Pack ECO fix pack.

**Note:** IBM Tivoli Enterprise Data Warehouse Version 1.1 Warehouse Enablement Pack ECO can be installed and run on IBM Tivoli Enterprise Data Warehouse Version 1.2 but it does not use the new features of IBM Tivoli Enterprise Data Warehouse Version 1.2.

The following tables outline the patch requirements for each version of the IBM Tivoli Management Framework product, as well as specific installation scenarios.

IBM Tivoli Management Framework version	Required patches
3.7.1	3.7.1-TMF-0126, 3.7.1-TMF-0134, 3.7.1-TMF-0150 and 3.7.1-LCF-0024
4.1	4.1.1-LCF-0004, 4.1-TMF-0049 and 4.1-TMF-0060
4.1.1 <sup>1</sup>	4.1.1-TMF-0003 <sup>2</sup> , 4.1.1-LCF-0004, 4.1.1-TMF-0010 and 4.1.1-TMF-0011

<sup>1</sup> Certain non-English Linux environments may require that TMF 4.1.1 be installed in order to operate. Please see your IBM Tivoli Management Framework documentation or the IBM web site to see if your environment may require TMF 4.1.1.

<sup>2</sup> Tivoli Enterprise Console, Version 3.8 is built with Framework 3.6.5 libraries. As a result, you must install the 4.1.1-TMF-0003 patch prior to the installation of Tivoli Enterprise Console 3.8. This patch contains the Framework 3.6.5 libraries and can be installed on systems that are upgraded to the Framework 4.1.1 release to replace older 3.6.x libraries. These libraries provide compatibility with earlier applications built on those libraries. It is not necessary to install this patch on new installations of Framework 4.1.1, just on upgraded systems, because these libraries are already provided in new installations. No other patches need to be installed prior to the installation of this patch.

Installation scenarios	Required patches
To utilize single port bulk data transfer, BDT	3.7.1-TMF-0003, 3.7.1-TMF-0008
To install this fix pack with Software Installation Services, SIS	3.7.1-SIS-0005

### Installation instructions

This section provides information about installing this fix pack.

Before installing this fix pack, you must take the following actions:

- Meet the minimum requirements specified in the IBM Tivoli Enterprise Console version 3.8 Release.
- Back up your system.
- Stop the event server.
- Read the [Fix pack notes](#) section prior to installing the fix pack.

**If you customized the .tec\_config file:** The .tec\_config file is replaced during the installation of this fix pack. If you customized this file, you must create a backup copy of the file prior to installing this fix pack to use the customizations with the updated product.

3.8.0-TEC-FP05 Top Level Directory Tree:

Standard directories:

<380TECFP05\_DIR>/TME

<380TECFP05\_DIR>/NON\_TME

```
<380TECFP05_DIR>/DBASSISTANT
<380TECFP05_DIR>/NLS
<380TECFP05_DIR>/tdw_weps
<380TECFP05_DIR>/COMPONENTS
```

1. Extract the fix pack.

Use the following command on a UNIX system to extract the contents into a temporary directory. For the purpose of this example, assume that the PATCH variable points to this temporary directory.

```
cd $PATCH
tar -xvf 3.8.0-TEC-FP05.tar
```

Use the following command on a Windows operating system to extract the contents into a temporary directory. For the purpose of this example, assume that the %PATCH% variable points to this directory, and X is the drive letter where the %PATCH% variable is found.

```
%SystemRoot%\system32\drivers\etc\Tivoli\setup_env
X:
> cd %PATCH%
> tar -xvf 3.8.0-TEC-FP05.tar
```

**Note:** If extracting the TAR image on a Windows system, the executable file for the TAR utility is in the following TMF installation directory <TMF\_Install\_Dir>\bin\w32-ix86\tools and is called **tar.exe**.

For example: C:\Program Files\Tivoli\bin\w32-ix86\tools\tar.exe

**Note:** If TMF is not installed on the Windows system the user will have to furnish their own **tar** utility in order to extract the TAR image.

2. The following instructions are for using the Software Installation Service (SIS). If not using the SIS, go to step 3. SIS can install Tivoli Software products on most hardware platforms supported by Tivoli Software; however, there are some hardware platforms on which SIS cannot run. Refer to the *Tivoli Enterprise Installation Guide* for the list of platforms on which SIS can run. Refer to the Prerequisites section of this document for information about SIS patches. You must have the install\_product and super authorization roles are required to install this fix pack.
  - a. From the Tivoli desktop menu, click **Desktop** → **Install** → **Software Installation Service**.
  - b. From the Get Installation Password window, type the installation password.
  - c. In the window that contains the Tivoli logo, click **Install**.
  - d. From the Install Spreadsheet window, click **Select Product**.
  - e. From the Select Product window, click **Import Product**.
  - f. Use the file browser to locate the media for 3.8.0-TEC-FP05, and double-click the PATCHES.LST file.
  - g. From the Import Product window, select 3.8.0-TEC-FP05, and then click **Import**.
  - h. From the Global Progress window, click **OK** after the file is imported.
  - i. From the Select Product window, select 3.8.0-TEC-FP05 and click **OK**.
  - j. From the Install Spreadsheet window, click **Select Machine**.
  - k. Select the machines on which to install 3.8.0-TEC-FP05, and click **OK**.
  - l. From the Install Spreadsheet window, select the appropriate cells.  
A letter X is displayed in the cells for the machines on which the 3.8.0-TEC-FP05 fix pack will be installed.
  - m. Click **Install**.
  - n. From the Installation Algorithm window, select the installation algorithm to use and click **OK**. SIS performs the installations requested from the Install Spreadsheet window.
  - o. Go to step 4 to complete the installation.

3. Perform the following procedure to install the fix pack using the classic Tivoli installation method.

**Note:** The install\_product and super authorization roles are required to successfully install this fix pack.

- a. From the Tivoli Desktop menu bar, click **Desktop** → **Install** → **Install Patch** to display the Install Patch window.
- b. From the Install Patch window, click **Select Media** to display the File Browser window.
- c. From the File Browser window, type the path to the directory containing the \$PATCH fix pack, in the Path Name field.
- d. Click **Set Media & Close** to return to the Install Patch window.
- e. From the Install Patch window, click the name of the fix pack to select it.
- f. Select the clients on which to install the fix pack. Fix packs typically need to be installed on the Tivoli server and on each Tivoli client.
- g. Click **Install**.



4. Update existing rule bases with a new TEC\_TEMPLATES/templates.wic:
  - a. Source the Tivoli environment:
    - On a UNIX system: from the command line, run the /etc/Tivoli/setup\_env.sh script
    - On a Windows system: from the command line, run the following script and command to launch a bash shell:
 

```
%SystemRoot%\WINNT\system32\drivers\etc\Tivoli\setup_env.cmd
              bash
```
  - b. Issue the following command to upgrade an existing rulebase:
 

```
$BINDIR/TME/TEC/upg_templates.pl rule_base_dir
```

where *rule\_base\_dir* is the directory that contains the rule base to be upgraded.
  - c. Issue the following command to apply the new templates.wic to the target of the rulebase:
 

```
wrb -comprules rulebase_name
```
  - d. Issue the following command to load the new templates.wic for the currently loaded rulebase:
 

```
wrb -loadrb rule_base_name
```
5. Restart the event server.

## Localization pack information

Localization pack updates included with the 3.8.0-TEC-FP05 fix pack contain separate install images for TME-based components and the non-TME Java console in the following directories:

- <380TECFP05\_DIR>/NLS/TME
- <380TECFP05\_DIR>/NLS/NON\_TME

## Localization pack installation in a Tivoli Management Environment

The updated localization pack for TME-based components must be installed as a patch, not as a product. This requires that the original Tivoli Enterprise Console, Version 3.8 localization pack for the language that you want to update is already installed. Install it using the same TME instructions used above for other TME components. Install only the language packs you need.

## Localization pack installation for the non-Tivoli Management Environment Java Console

The lp\_setup.jar file contains the InstallShield MultiPlatform installation program. All NLS class and help files are installed into the **nls** subdirectory. Use the following procedure to install the localization pack into the same location as the non-TME console:

1. Change to the installation file directory: <380TECFP05\_DIR>/NLS/NON\_TME/Setup
2. Issue the following command:
 

```
<TECConsole_installdir>/jre/bin/java -jar lp_setup.jar
```

This uses Java 1.3.1, which is installed with the Java console.
3. Select the non-Tivoli Management Environment console directory to install to and click **Next**.
4. Select the languages to be installed and click **Next**.
5. Confirm the installation information and click **Next**.
6. Click **Finished**.

## Updating the task library for APAR IY51636

This fix pack does not update the Task Library with this fix because some customers modify their Task Library and this update would overwrite their customizations. The \$BINDIR/TME/TEC/tec\_tasks.tll file has been updated. To benefit from this solution run the additional steps to update the task library.

**Note:** If performing this task on a Linux system, remove all of the spaces between a command line option and its argument for all **wtl1** commands: For example, the first **wtl1** command would become as follows:

```
$BINDIR/bin/wtl1 -r -pTEC-Region -P/bin/cat $BINDIR/TME/TEC/tec_tasks.tll
```

1. If the TEC Tasks task library has not been modified, run the following command to update the task library with the new **tec\_tasks.tll** file:
 

```
# $BINDIR/bin/wtl1 -r -pTEC-Region -P /bin/cat
      $BINDIR/TME/TEC/tec_tasks.tll
```

This deletes all tasks from the TEC Tasks task library and then recreates them from the **tec\_tasks.tll** file.
2. If tasks are only added to the TEC Tasks task library and none of the default tasks, do the following steps:
  - a. Remove all tasks from TEC Tasks except for your tasks.
  - b. Run the following command:
 

```
# $BINDIR/bin/wtl1 -i -pTEC-Region -P /bin/cat $BINDIR/TME/TEC/tec_tasks.tll
```

This inserts all tasks from the new `tec_tasks.tll` into the TEC Tasks Task Library.

3. If modifications were made to the default tasks in the task library, do the following steps:
  - a. Run the following command to dump the tasks:

```
# wtll -F /tmp/tll.tar -l "TEC Tasks"
```
  - b. Extract the `tll.tar` file. A number of `#.default` files (which are individual task scripts) and a `tll` file (which is the task library definition) are listed.
  - c. Edit the `tll` file and make the following changes:  
Change:

```
.EVENT_SERVER=`wlookup -ar EventServer | tail -1 | cut -f2`
```

To:

```
.TMRNAME=`wtmrname`  
.EVENT_SERVER=`wlookup -r EventServer "EventServer#$TMRNAME"`
```

Change:

```
.EventServer=`wlookup -r EventServer -a | tail -1 | awk '{print $2}'`
```

to:

```
.TMRNAME=`wtmrname`  
.EventServer=`wlookup -r EventServer "EventServer#$TMRNAME"`
```
  - d. After those changes are made, run the following command to reload the modified `tll` file:

```
# wtll -r -pTEC-Region -P /usr/lib/cpp /tmp/tll
```
4. If TMRs are connected, run the following command from each TMR to update the information across regions:

```
wupdate -r TaskLibrary <other-region-name>".
```

## Installing the Tivoli Enterprise Data Warehouse enablement pack patch

The fix pack for Warehouse Enablement pack ECO can be found in the `/tdw_weps/eco/fixpack` directory.

**For Tivoli Enterprise Data Warehouse Version 1.1**, refer to Chapter 10 “Applying a fix to a warehouse pack” in *Installing and Configuring Tivoli Enterprise Data Warehouse Version 1.1* for detailed instructions on installing the Tivoli Enterprise Data Warehouse enablement pack patches.

Complete the following procedure to install the Warehouse enablement pack patch:

Before beginning, if using a UNIX system, log in as `root`, or if using a Windows operating system, the user should be a member of the local Administrators group. The `TWH_TOPDIR` and `TEMP` system environment variables must be also defined in this session.

1. If using a Windows system, enter the **bash** command, which is provided with Tivoli Enterprise Data Warehouse installation.
2. Enter `cd "$TWH_TOPDIR/install/bin"`
3. Enter `./tedw_wpack_patchadm.sh`
4. When this program stops running, edit `<TEMP_DIR>/twh_app_patcher.cfg`, and type the correct information for the following tags, and rerun the `tedw_wpack_patchadm.sh` that was run in step 3.

```
APP_MEDIA_DIR  
PS_HOME  
DB2PASS  
COPT_CTRL_DB2PASS  
COPT_CDW_DB2PASS  
COPT_MART_DB2PASS
```

**Note:** The `PS_HOME=` tag is displayed only if the RPI component is installed on the current system.

5. At the successful conclusion of the patch installation, the following line is displayed:

```
==> TEDW Warehouse Pack Patch Installation Successfully Completed!!!
```
6. If installing another warehouse application, the value of the `APP_MEDIA_DIR` tag can be changed to the patch installation source directory for the next patch that is to be installed (the directory that contains the `twh_install_props.cfg` file for that next patch). Leave the values of the other tags unchanged. Then go to step 3 to perform that next patch of an application warehouse enablement pack.

If the patch installation is not successful, information can be obtained from the following files:

```
<TEMP_DIR>/twh_install_wpack_patcher.log  
<TEMP_DIR>/twh_ibm_db2_wpack_patch_runlog.log
```

## Copying patched application warehouse enablement packs

Complete this process only if the systems have remote warehouse agents installed on them.

Before beginning, make sure that on the control server system, be logged on as a member of the local Administrators group, and the TWH\_TOPDIR system environment variable is defined in this session.

1. Enter `bash`.
2. Enter `cd $TWH_TOPDIR`.
3. Enter `tar -cvf appweps.tar apps`.
4. Copy the `appweps.tar` file to the directory defined by the TEMP system environment variable on each of the systems where a remote warehouse agent is installed, and perform steps 5 through 9 on each system.
5. Open a command or terminal session. Log in as root on a UNIX system, or as a member of the local Administrators group on a Windows system, and make sure TWH\_TOPDIR and TEMP system environment variables are defined in this session.
6. If on a Windows system enter `bash`.
7. Enter `cd $TWH_TOPDIR`.
8. Enter the following commands in order. Wait for each command to complete:

```
tar -xvf $TEMP/appweps.tar
chmod -R 755 apps
rm $TEMP/appweps.tar
```
9. Verify that the directory structure under `<TWH_TOPDIR>/apps` on the remote warehouse agent system is identical to the directory structure under `<TWH_TOPDIR>/apps` on the control server system. The alphabetical characters in the file and directory names must have the same case on each system.

**For Tivoli Enterprise Data Warehouse Version 1.2**, refer to Chapter 10 “Applying a fix to a warehouse pack” in *Installing and Configuring Tivoli Enterprise Data Warehouse Version 1.2* for detailed instructions on installing the Tivoli Enterprise Data Warehouse enablement pack patches.

## Installing enhanced logfile adapters

From the Tivoli desktop, access the Adapter Configuration Facility (ACF) to configure and deploy the enhanced logfile adapters. Use standard ACF procedures to select the targeted endpoints and selected logfile adapters. These are the names of the enhanced logfile adapters:

- `tecad_enh_nt`
- `tecad_enh_win`
- `tecad_enh_logfile_aix4-r1`
- `tecad_enh_logfile_hpux10`
- `tecad_enh_logfile_solaris2`
- `tecad_enh_logfile_linux-ix86`
- `tecad_enh_logfile_linux-s390`

**Note:** An existing TME logfile adapter and an enhanced TME logfile adapter can not be used on the same machine. Existing non-TME logfile adapters and non-TME enhanced logfile adapters can exist on the same machine if each non-TME enhanced logfile adapter has a unique adapter ID and if the non-TME enhanced logfile adapters are not installed in the same directory as the existing non-TME logfile adapters.

## Modifying the identifier attributes

When one of the enhanced logfile adapters is selected from the General window in the ACF, the Identifier field is displayed. When the Identifier field is selected, the user can specify the Identifier Name.

## Installing a TME adapter with an identifier

The enhanced TME adapter installation is similar to the standard TME adapter installation; however the enhanced adapters can be installed with an identifier associated with that specific adapter. If no identifier is specified, the installation does not change. When an identifier is specified, the following changes apply:

- The installation directory structure was changed to incorporate the identifier with the etc directory. The binary files are still located in the bin directory, however the configuration and format files are now located in the `<identifier>/etc` directory. At the endpoint, this is the directory structure:

```
%lcf_datdir%/../bin/%interp%/TME/TEC/adapters/
%lcf_datdir%/../bin/%interp%/TME/TEC/adapters/bin
```

```
%lcf_datdir%/../bin/%interp%/TME/TEC/adapters/<identifier>/etc
%lcf_datdir%/../bin/%interp%/TME/TEC/adapters/<identifier>/etc/C
%lcf_datdir%/../bin/%interp%/TME/TEC/adapters/<identifier>/etc/<lang>
```

- The commands used to start and stop the enhanced adapters were changed. For Windows 2003 systems, the start command is as follows:

```
net start <adapter>_<idname>
```

For example,  
net start tecwinadapter\_myid

where *myid* is the value of the identifier.

The stop command is:

```
net stop <adapter>_<idname>
```

For UNIX and Linux -based systems the start command is as follows:

```
init.tecad_logfile start <idname>
```

For example,  
init.tecad\_logfile start myid

where *myid* is the value of the identifier.

The stop command is:

```
init.tecad_logfile stop <idname>
```

## Upgrading and removing a TME adapter

To upgrade an existing adapter to an enhanced adapter, complete the following steps:

1. Save a copy of the `tecad_logfile.conf` file and the format files, which are located in the `TECADHOME/etc` directory, if significant changes have been made to these files.
2. Distribute an empty profile to remove the original version of the logfile adapter. See the *IBM Tivoli Enterprise Console Installation Guide* for information about using the ACF to uninstall an adapter.
3. From the ACF, create a new Adapter Configuration Profile (ACP) for the enhanced adapter.
4. Modify the new ACP using the environment in the saved etc directory.
5. Distribute the profile to the endpoint.

**Note:** Changing an adapter ID changes the referenced instance. Therefore, changing the adapter ID is not allowed. To change the adapter ID for an existing adapter, remove the existing adapter and install a new adapter.

## Installing an enhanced non-TME Windows logfile adapter

During the installation process, the user can specify an adapter identifier. When using an adapter ID, the adapter ID name is required. A directory structure similar to the Tivoli environment is created.

## Installing a UNIX non-TME adapter

The installation of the enhanced non-TME adapters is similar to that of the standard adapters, with the exception of the adapter ID. Run the following `tecad_logfile.cfg` command to specify an adapter ID:

```
tecad_logfile.cfg <idname>
```

where *idname* is the value of the adapter ID.

**Note:** The start and stop commands should be changed accordingly.

## Configuring enhanced logfile adapters

The following sections contain information that is needed to configure the enhanced logfile adapters.

## Reloading the adapter configuration

To reload the adapter configuration and format files on the Windows platform, run the **wsighup** command. If running the service version of the adapter, enter the following command:

```
wsighup service_adapter_name
```

where *service\_adapter\_name* is the service name of the adapter.

If running the command-line version of the adapter, enter the following command:

```
wsighup service_adapter_name pid
```

where *service\_adapter\_name* is the service name of the adapter and *pid* is the process ID of the adapter.

Run this command to change the adapter configuration without stopping and restarting the adapter. For example, to temporarily add (and later remove) filters or entries in the format file when the system goes into maintenance mode. After making the necessary changes to the configuration and format files, run this command to dynamically update the adapter configuration.

**Note:** When the CONF file of a distributed adapter is modified locally and the **wsighup** command is run, the changes are lost when a new CONF file is distributed.

## New configuration file keywords from fix packs previous to Fix Pack 5

### **PollConnection** <seconds>

Specifies the minimum amount of time to poll the server for a connection. This connection poll forces the adapter to empty the cache files even if no new events arrive at the server. If a value is not specified for this keyword, the enhanced logfile adapter functions the same as the original logfile adapter.

### **ProcessPriorityClass** (Windows operating systems only)

Specifies the default process priority for the adapter on Windows. This value can be adjusted to improve system performance if the adapter processes large volumes of events and is using too many processor resources.

The possible values are as follows:

- A IdlePriority
- B BelowNormalPriority
- C NormalPriority
- D AboveNormalPriority
- E HighPriority
- F RealTimePriority

The default value is C (NormalPriority).

#### **Notes:**

- Using the default value is recommended to avoid performance degradation.
- The ProcessPriorityClass attribute is not available for the SNMP adapter.

New trace messages have also been provided as follows:

If an incorrect process priority class value is entered, the following message will be seen in the trace:

```
bad value of priority class, used default value
```

If a new process priority class value is entered, the following message will be seen in the trace:

```
priority class was changed successfully
```

If a new process priority class value is entered but the value cannot be used, the following message will be seen in the trace:

```
unable to change priority class
```

### **ProcessDisablePriorityBoost** (Windows operating systems only)

Specifies whether the Windows priority boost should be disabled for the adapter process. Priority boost allows the priority to be boosted by the Windows operating system while the adapter is being run. Use this option to improve system performance if the adapter processes large volumes of events and is using too many processor resources. If this option is set to TRUE, the priority boost is disabled. The default value is FALSE. This parameter is not directly related to the **ProcessPriorityClass** parameter described above.

Example:

```
ProcessDisablePriorityBoost=TRUE
```

## LogSources

Specifies the ASCII log files to poll for messages. The complete path to each file must be specified, and file names must be separated by commas; no spaces or other separators can be used. A logfile source need not exist when the adapter is started; it is polled when it is created.

Example:

```
LogSources=/tmp/logfile.src,/tmp/second_log.src
```

If a file is truncated while the adapter is active, the adapter automatically sets its internal pointer to the new end of the file and continues processing all new messages that are written after the file was truncated. If during the polling interval the file is overwritten, removed, or recreated with more lines than the previous poll, only the number of lines greater than the previous line count is read. For example, the file has one line. After the poll interval elapses, the file is overwritten with two lines. Only the second line is read on the next polling.

**Note:** When specifying the LogSources keyword, ensure there are no references to files in the root directory.

### ReadBufBlocks

To improve performance and stability, a configuration option is available for all Windows adapters monitoring one or more files specified with the LogSources option. The ReadBufBlocks attribute provides a mechanism to specify the number of 4096 byte blocks to be read by the adapter at each polling interval. The default value is 10. Use the default value when fewer than ten blocks are specified.

Example:

```
ReadBufBlocks=10
```

**Note:** If ReadBufBlocks is not specified in the adapter configuration file, the adapter reads all files to completion in the order specified.

### Format specifications:

#### FILENAME

Specifies the fully qualified file name (including path) of the log file containing the message. Use this keyword using a single adapter to monitor multiple log files. This keyword can be used to populate an event attribute with the file name to identify the source of the event. If the message comes from the system log, mapping is set to EventLog for Windows adapters and SysLogD for UNIX logfile adapters. For example:

```
FORMAT Lassy_Event FOLLOWS Logfile_Base
%s* Lassy %s*
severity CRITICAL
logfile FILENAME
-msg1 $1
-msg2 $2
comp_val PRINTF("%s %s", msg1, msg2)
END
```

Where *logfile* is the fully qualified file name of the log file containing the message.

#### %n

%n specifies a new line in a message. A new line refers to a carriage return or a line feed as opposed to the entire next line. This format specification applies only to enhanced logfile adapters. The format specification of %n matches messages that span multiple lines.

For example, this format entry:

```
This is a format %s with more lines%nIsn't it
```

matches the following message:

```
This is a format special with more lines
Isn't it
```

**Note:** Spaces are important when it comes to determining a match. If a message has lines that end with one or more spaces, the spaces should be replaced with the new line specification in the format entry.

## Defect Solutions

### Defect solutions included with this fix pack

This section provides a description and the resolution of the APAR fixes that are provided by the 3.8.0-TEC-FP05 fix pack.

#### APAR: IY59625

**Symptom:** For the Windows enhanced logfile adapter, issuing wsighup from a Terminal Services session does not work:

```
wsighup <service_adapter_name>
```

gives:

```
"The service <service_adapter_name> is not correctly running"
```

even when the service clearly is running and the correct <service\_adapter\_name> was given.

**Resolution:** The service is now found when a wsighup command is issued.

#### APAR: IY60587

**Symptom:** tec\_gateway distribution fails when Administrator account does not exist.

**Resolution:** If the Administrator account has been renamed on a Windows ManagedNode, set the USER of the profile before distributing a tec\_gateway ACF profile. The USER field is set under the "General" tab in the profile entry.

Set this to the name of the new Administrator account or "BuiltinNTAdministrator" to have it automatically determine the Administrator account. A widmap entry, such as "\$root\_user" can also be used. This allows control of the user for all profiles from the widmap interface and use the same profile for distribution to Windows and Unix nodes.

If USER is left as 0 it will default to "Administrator" on Windows nodes.

#### APAR: IY63086

**Symptom:** A TEC Java console operator defines an automated task and assigns hosts for the task to run on, but the hosts no longer appear in the 'Current Hosts' list when the task is reopened for editing.

**Resolution:** Changed so that the hosts will appear in the 'Current Hosts' list when the task is reopened for editing.

#### APAR: IY63415

**Symptom:** The tec\_dispatch binary ends with a SIGSEGV when modifying an event in a non-C locale.

**Resolution:** The tec\_dispatch will no longer stop running when modifying an event in a non-C locale.

#### APAR: IY63643

**Symptom:** A simple rule will fail to compile if the value for watch\_status is enclosed in single quotes as specified in the rule builder's guide.

**Resolution:** The simple rule compile will no longer fail.

#### APAR: IY63716

**Symptom:** wsetemsg fails when using Single Port BDT because the ui\_server process does not correctly connect to the tec\_dispatch process.

**Resolution:** wsetemsg will now correctly connect when Single Port BDT is specified.

#### APAR: IY63871

**Symptom:** Using wsetemsg to set the value of a custom slot intermittently returns the error:

```
Error::ECO:0001:0272 No matching classes found
```

**Resolution:** A threading issue was found and changed so that wsetemsg never reports the 'No matching classes found' error message for a valid event class.

#### APAR: IY64687

**Symptom:** An invalid check for an empty cache by the Non-TME EIF library results in a connection attempt every 60 seconds.

**Resolution:** The check now takes into account the header of the cache file when it queries to see if the cache has anything to send.

#### APAR: IY64774

**Symptom:** Second and subsequent distributions of the AIX profile delete the first line after the adapter entry in /etc/rc.shutdown file.

**Resolution:** No lines after the stop adapter entry in the /etc/rc.shutdown are deleted when a subsequent distribution is made.

#### APAR: IY65212

**Symptom:** On reception of an event with the INTEGER type attribute, parsing fails if the attribute value does not conform to a decimal, octal, or Hex format.

**Resolution:** Documentation has been updated to show that integer type class values should follow standard numeric notation as follows:

```
Decimal [1-9][0-9]*
```

```
Octal 0[0-7]*
```

```
Hexidecimal 0x[0-9 a-f]*
```

Ignoring these guidelines will result in the event not parsing correctly on reception. Please see APAR [IY65212](#) in the [Documentation updates](#) section of this README.

#### **APAR: IY65520**

**Symptom:** wconsole -croperator will fail with the error "ECO2071E - X is not a valid TME administrator" under the following conditions:

1. The total number of TME administrators is greater than 1000
2. The total number of TME administrators is not evenly divisible by 100
3. The TME administrators are listed in ascending order by creation time, X is a TME administrator that appears after the last number evenly divisible by 100 on the list. For example, if there are 1150 total TME administrators, wconsole will display the error message if trying to create an Operator for any TME administrator past 1100 on the list. If, on the other hand, there are exactly 1100 TME administrators, the error message would not appear if trying to create an Operator for any of the administrators.

**Resolution:** The error "ECO2071E - X is not a valid TME administrator" does not appear and the operator is created under the conditions stated above.

#### **APAR: IY65985**

**Symptom:** The Windows adapter does not correctly prefilter events from the File Replication Service log.

**Resolution:** The Windows adapter will correctly prefilter events when the configuration file specifies the File Replication Service log. The abbreviated name, FRS, is not supported. See the [Documentation updates](#) section.

#### **APAR: IY66875**

**Symptoms:** The **rc.shutdown** file may be altered in an incorrect way when installing and/or uninstalling a TME or Non-TME adapter on a Unix system.

1. On occasion, lines above or below the TEC Adapter lines (which are added automatically when installing a TME or Non-TME adapter) may be deleted when the adapter is removed via the **tecad-remove-logfile.sh** script.
2. Another symptom of this problem may be that the `#!/bin/<shell name>` line is not the first line of the **rc.shutdown** file.
3. The TEC Adapter lines may be added after a valid exit statement within the **rc.shutdown** script.

**Resolution:** The adapter lines are now added at the bottom of the file above the exit statements and no lines above or below the adapter entry are removed.

#### **APAR: IY68854**

**Symptom:** Adapter shutdown updates the syslog configuration file even when "-s" specified because the current functionality creates a copy of the file as it tries to pull out the adapter entries (whether they exist or not) then moves the copied file back to the original file name. For customers that are monitoring the syslog configuration files modification time for security or other reasons this is a problem.

**Resolution:** Changed so that `/etc/syslog.conf` is only changed when an adapter is started without the "-s" option and subsequently stopped. Adapters can be started/stopped at will with the "-s" option specified for startup and the `/etc/syslog.conf` file never changes (size, modification date etc.) because of the tec logfile adapter starting/stopping.

#### **APAR: IY69440**

**Symptom:** The `acpep-postesmg` dependencies are incorrectly set when the IBM Tivoli Monitoring for Application mySAP.com is installed.

**Resolution:** The dependencies can be reestablished using a script included when the IBM Tivoli Monitoring for Application mySAP.com application is installed. See the [Fix pack notes](#) section for more information.

#### **APAR: IY70960**

**Symptom:** The operator of the TEC 3.8 Java Console is unable to open the event viewer for an empty event group from the console's summary chart. When the label of the empty event group is clicked, the event viewer for the next closest non-empty event group appears. Additionally, if the empty event group is the only group in the chart then no event viewer appears.

**Resolution:** The Event Viewer for the empty event group now appears as expected.

#### **APAR: IY71659**

**Symptom:** The format specifier `%s*` will match leading white spaces when the specifier immediately follows a constant or literal value.

**Resolution:** This is a limitation of the `%s*` format specifier, and is documented in the [Known Problems and Limitations](#) section of this readme file.

#### **APAR: IY71819**

**Symptom:** The 3.8.0-TEC-FP04 readme file incorrectly listed patch 4.1.1-LCF-0011 as a prerequisite instead of 4.1.1-TMF-0011.

**Resolution:** Changed the patch name in the 3.8.0-TEC-FP04 readme file.

#### **APAR: IY72489**



**Symptom:** On Windows 2003 Server, the Enhanced Windows Adapter generates more than 500 Kilobytes of I/O activity every time it polls for events even if there are no events available to be processed. See also IY74576

**Resolution:** I/O Read Bytes for tecadwins.exe remains constant while there are no events available to be processed.

**APAR: IY72983**

**Symptom:** Modifying an event with "re\_mark\_as\_modified" in a change rule does not update the event in the database.

**Resolution:** Events modified with "re\_mark\_as\_modified" in a change rule will now be updated in the database.

**APAR: IY73011**

**Symptom:** The URL for the state correlation engine configuration file contains two forward slashes "file://" which prevents the sending of events.

**Resolution:** The URL has been changed so that it contains "file:" instead of "file://" .

**APAR: IY74576**

**Symptom:** When a new event is created in an event log that the TEC Windows Adapter is monitoring, the Adapter generates ~500K of I/O activity per call to ReadEventLog. See also IY72489

**Resolution:** I/O Read Bytes for tecadwins.exe now increases by only a few kilobytes each time you generate an event.

**APAR: IY75378**

**Symptom:** When the Tec\_Baroc trace level is set to trace2, the tec\_\* binaries stop running on TEC startup. The tec\_dispatch binary stops with a SISEGV 211 error.

**Resolution:** The tec\_\* binaries will now continue to run when trace2 levels are activated.

**Symptoms:**

A duplicate rule set entry is not detected when importing a ruleset into a rule base target using the "-before" or "-after" options.

**APAR: IY75984**

**Symptom:** A duplicate rule set entry is not detected when importing a ruleset into a rule base target using the "-before" or "-after" options.

**Resolution:** If a duplicate ruleset is imported into a rule base target an error message like the following will be seen:

EC03071E "'test1'": rule set is already in this rule base target.

**APAR: IY76098**

**Symptom:** The global preferences for all TEC operators are reset to the default values if the preferences were last modified by a TEC 3.8 Fix Pack 3 or later event console, and any of the following event consoles connects to the TEC UI Server:

TEC 3.7.1 Fix Pack 4, 5, or 6

TEC 3.8 Fix Pack 1 or 2

TEC 3.9 RTM

This occurs regardless of whether or not version checking is enabled on the UI Server.

**Resolution:** Global preferences set by a TEC 3.8 Fix Pack 5 console will not be reset to the default values, provided the special installation instructions for the APAR are followed. Please see the [important note](#) in the [Fix Pack Notes](#) section for more information about this issue as well as restricting the use of different versions of the console with the UI server.

**APAR: IY76158**

**Symptom:** The ACF After script fails due to non-critical errors during the fix pack installation and stops the entire installation. For example, each subsequent fixpack contains waddacpattr and wputpolm to ensure changes previously made catch all circumstances of the upgrade scenario. Running waddacpattr multiple times for the same attribute does no harm but a fail return in this area will stop the fixpack from applying.

**Resolution:** ACF will not fail if errors in the script are not critical to the installation.

**APAR: IY77781**

**Symptom:** The 3.8 Enhanced Windows Adapter does not match event log events properly. Using "%s\*" in the format file matches too much information and does not allow for desired mapping of data.

**Resolution:** Fixed so that the 3.8 Enhanced Windows Adapter handles the formatting the same way as the 3.9 adapters.

**APAR: IY78127**

**Symptom:** Due to network delays or the unplugging of the network cable you may see more events per second being delivered to the Server from the Gateway than you have specified with the EventSendThreshold and BufferFlushRate keywords.

**Resolution:** The fix prevents the gateway from sending more events than are configured with the EventSendThreshold and BufferFlushRate keywords. However, we noticed that a large number of events could still have the same timestamp at the Server. This is because the events get queued by TCP/IP (through network delays or the network cable being unplugged) and all get delivered to the Server at the same time. To work around this problem you can either:

- a) use ConnectionMode=connection\_less
- b) use GatewayTMEAckEnabled=YES (GatewayAckInterval can also be set and has a default value of 30 seconds) in the configuration file.

**APAR: IY78569**

**Symptom:** Using wsetmsg to set the status of an event may cause the TEC UI Server to stop running if the size of the combined "where" clauses for all of the console's event group filters exceeds 4096 bytes.

**Resolution:** The UI Server will not stop running when the size of the combined "where" clauses for all of the console's event group filters exceeds 4096 bytes.

**Defect solutions included in Fix Pack 3.8.0-TEC-FP04**

The section provides a description and the resolution of the APAR fixes that are provided by the 3.8.0-TEC-FP04 fix pack.

**APAR: IY51605**

**Symptom:** An incorrect event count is displayed in the Summary Chart View when one event group contains a large number of events.

**Resolution:** The correct event count is now displayed.

**APAR: IY51905**

**Symptom:** The TEC 3.8 Fix Pack 1 HP/UX log file adapter uses an incorrect naming convention in the /sbin/init.d file.

**Resolution:** The correct naming convention is now used.

**APAR: IY53943**

**Symptom:** The **waddac** command does not set a PreFilter on a new configuration record when the PreFilter: prefix is not specified.

**Resolution:** The **waddac** command now sets a PreFilter on a new configuration record when the PreFilter: prefix is not specified. The documentation now shows the correct usage of the **waddac**, **wsetac**, and **wsetaddflt** commands. See the [Documentation updates](#) section.

**APAR: IY53972**

**Symptom:** Bringing up the configuration view in the TEC Java Console takes a long time when several operators are defined and assigned to consoles.

**Resolution:** The configuration view is now displayed in a reasonable amount of time.

**APAR: IY54358**

**Symptom:** A LIBTECEIF binding directory is needed for OS/400 in the export tree.

**Resolution:** A LIBTECEIF binding directory is now provided for OS/400 in the export tree.

**APAR: IY54345**

**Symptom:** The **wpostmsg** command core dumps on Solaris systems when the hostname attribute is specified and nsd is not running.

**Resolution:** The **wpostmsg** command now correctly sends the event.

**APAR: IY54432**

**Symptom:** The log file format processor does not parse correctly when a variable contains the delimiter that the user set up in their format file.

**Resolution:** The processor now parses correctly.

**APAR IY54504**

**Symptom:** DBCS characters are incorrectly displayed in the Task Choice List window. This happens when using the ButtonLabel and ChoiceFile where the file used by ChoiceFile was created on one machine that has different encoding than the Java version of the event console. For example, the file was created on a Solaris system using EUC\_JP and the Java version of the event console is using Windows encoding.

**Resolution:** Edit the tec\_console.cmd file on Windows systems or the tec\_console file on UNIX systems and change the TEC\_ENCODING environment variable to specify the basic encoding set being used on the server.

For example

- 1) Edit the tec\_console.cmd file
- 2) Find the environment variable TEC\_ENCODING
- 3) set TEC\_ENCODING=EUC\_JP
- 4) save tec\_console.cmd

**APAR: IY54505**

**Symptom:** The TME Event Integration Facility (EIF) libraries and the non-TME EIF libraries have different behaviors regarding setting the process codeset. When building a TME adapter using the Tivoli Application Development Environment, be aware that the `tec_create_handle` API calls the `tis_set_def_cs` function, which sets the default code set for other `tis` calls. When building a non-TME adapter the locale is set independently of the Event Integration Facility and calling the `tec_create_handle` API does not change the locale.

**Resolution:** The documentation now reflects the different behaviors. See the [Documentation updates](#) section.

**APAR: IY54538**

**Symptom:** If two or more events are selected to generate a trouble ticket that runs the `wsendresp` command, the message that is displayed contains information that pertains only to the last event in the list of selected events and information for the other events is not provided.

**Resolution:** The event ID is added to the message to ensure that the messages displayed are unique and all popup messages will contain a unique message.

**APAR: IY54892**

**Symptom:** The `wsetemsg` command does not recognize local encoding for DBCS attribute values.

**Resolution:** A new `-e` option specifies the character encoding being used. See the [Documentation updates](#) section.

**APAR: IY55303**

**Symptom:** The `tec_ui_server` process stops and an `oserv` error occurs when the `wsetemsg` command specifies an event console having an event group with a complex filter longer than 4096 characters.

**Resolution:** The `tec_ui_server` process does not stop when the `wsetemsg` command specifies an event console having an event group with a complex filter longer than 4096 characters.

**APAR: IY55414**

**Symptom:** The `tec_task` process ends unexpectedly with a SIGBUS error when a large number of arguments are passed to the `exec_program` predicate.

**Resolution:** The `tec_task` process no longer ends unexpectedly with a SIGBUS error when a large number of arguments are passed to the `exec_program` predicate.

**APAR: IY55610**

**Symptom:** The generic `tecad_logfile` ACP entry does not support new enhanced functions. This includes not supporting adapter ID and not supporting the new TransportList keywords. In addition, you get errors when you try to distribute a profile containing `tecad_logfile`.

**Resolution:** A `tecad_enh_logfile` profile type was added to support the enhanced functions.

**APAR: IY55708**

**Symptom:** The Tivoli Workload Scheduler (TWS) Connector stops working after installing the Tivoli Enterprise Console 3.8 Server Component.

**Resolution:** This was caused by the `LD_ASSUME_KERNEL=2.2.5` entry, which has now been removed from the `oserv` environment for `linux-ix86`.

**APAR: IY55820**

**Symptom:** A rule processing large fact files can cause a Prolog overflow error, resulting in the `tec_rule` process exiting with exit code 82.

**Resolution:** The documentation has been updated to explain how to set the table expansion preference. See the [Documentation updates](#) section.

**APAR: IY55848**

**Symptom:** When `TEC_EXECUTE_TASK_DBCS=TRUE` is specified in `.tec_config`, a memory overwrite problem can occur when the `exec_program_call` predicate is called.

**Resolution:** Memory overwrite no longer occurs when `TEC_EXECUTE_TASK_DBCS=TRUE` is specified and when the `exec_program_call` predicate is called.

**APAR: IY55954**

**Symptom:** The non-TME log file adapter does not set the `TISDIR` environment variable.

**Resolution:** The `TISDIR` environment variable is now set.

**APAR: IY56166**

**Symptom:** The Java version of the event console cannot delete automated tasks that had been renamed after they were initially created.

**Resolution:** The Java version of the event console now deletes automated tasks that had been renamed after they were created.

**APAR: IY56170**

**Symptom:** bdt\_timed\_open fails because the Tivoli Enterprise Console product uses ports outside the allowed range. The TEC processes did not use the port range information from the oserv which caused TEC to open ports not within the range, causing problems for customers blocking those ports.

**Resolution:** Both sides of each connection are now within the port range.

**APAR: IY56186**

**Symptom:** The bo\_add\_at\_slotval\_begin and bo\_add\_at\_slotval\_end predicates are distorting event data when the event contains a list of more than 3 elements.

**Resolution:** The bo\_add\_at\_slotval\_begin and bo\_add\_at\_slotval\_end predicates no longer distort event data.

**APAR: IY56318**

**Symptom:** A java.lang.ClassCastException: java.lang.String exception is thrown when importing a rule set, a rule pack, or a data object into a rule base target when a data object was previously imported.

**Resolution:** Importing a rule set, a rule pack, or a data object works properly when a data object was previously imported.

**APAR: IY56536**

**Symptom:** Sorting by severity and status columns in the Java version of the event console does not work correctly.

**Resolution:** Sorting by severity and status columns in the Java version of the event console now works correctly.

**APAR: IY56880**

**Symptom:** When TroubleTicket in the Java version of the event console is executed, the environment variables should be formatted the same as from the rule base.

**Resolution:** The TroubleTicket execution output from Java version of the event console matches the rule base.

**APAR: IY57119**

**Symptom:** When the set\_force\_bind setting is enabled, the tec\_reception process makes a connection using the physical host name instead of using the logical host name.

**Resolution:** When the set\_force\_bind setting is enabled, the tec\_reception process makes a connection using the logical host name.

**APAR: IY57206**

**Symptom:** The commit\_set predicate is not translated properly if it is not the last call in an all\_instances or first\_instance clause.

**Resolution:** The commit\_set predicate is now translated properly.

**APAR: IY57519**

**Symptom:** Stopping the event server causes a general oserv error.

**Resolution:** Stopping the event server no longer causes a general oserv error.

**APAR: IY57681**

**Symptom:** Starting more than one adapter with the same ID is not prevented.

**Resolution:** Starting more than one adapter with the same ID is prevented.

**APAR: IY57682**

**Symptom:** The Linux adapter installation script does not generate the rc links correctly for SUSE Linux.

**Resolution:** The Linux adapter installs correctly for SUSE Linux.

**APAR: IY57757**

**Symptom:** When single-port BDT is enabled via TMF, there are Java console connection problems with the TEC UI server process and RIM hosts.

**Resolution:** Updated Tivoli Management Framework JCF and JRIM jar files are now included that resolve the issue.

**APAR: IY57854**

**Symptom:** The TEC Warehouse Enablement Pack ECO\_c05\_s010\_extract warehouse process step fails when extracting data from a MS-SQL server source database.

**Resolution:** The ECO\_c05\_s010\_extract warehouse process step no longer fails when extracting data from a MS-SQL server source database.

**APAR: IY57911**

**Symptom:** The tec\_task process does not remove all of the files prefixed with tec\_t from the /tmp directory.

**Resolution:** Temporary files are now removed correctly. However, if a called script or task does not exit, the files are not removed until it exits.

**APAR: IY57912**

**Symptom:** The erase\_global predicate call does not completely erase global variables resulting in memory growth of the tec\_rule process.

**Resolution:** The erase\_global predicate call completely now erases global variables.

**APAR: IY58303**

**Symptom:** The Non-TME logfile adapter parses differently on 3.8.0-TEC-FP01 than it does on 3.9.0-TEC-FP01.

**Resolution:** Documentation has been updated to reflect the reason for the different behaviors. Please see the [Documentation updates](#) section for more information.

**APAR: IY58306**

**Symptom:** The color scheme algorithm for Java Client Event Viewer puts black text on red background for CRITICAL events, making it very difficult to read. The text cannot be changed to white except by changing the background from red to dark brown, which is too similar to FATAL, which has a black background.

**Resolution:** The text for the UNKNOWN, HARMLESS, CRITICAL and FATAL severities columns and cells now have white text and the remaining severities have black text.

**APAR: IY58371**

**Symptom:** The tecad\_logfile.conf file has a NULL as the last character in the file, which made it appear to be a binary file to utilities like grep.

**Resolution:** The tecad\_logfile.conf file no longer appears to be a binary file to utilities.

**APAR: IY58867**

**Symptom:** Kill -HUP (signal 1) causes the enhanced logfile adapter to shut down instead of restarting on HP-UX 11 or later.

**Resolution:** The logfile adapter continues to run no matter how often a "kill -HUP" command is issued. Log source changes to the tecad\_logfile.conf file get implemented during the "kill -HUP" process.

**APAR: IY58910**

**Symptom:** The SNMP adapter loses events during a burst of traps. This problem is caused by the UDP receive buffer overflowing and dropping incoming traps.

**Resolution:** The SNMP adapter now automatically increases receive buffer size to improve handling of trap bursts.

**APAR: IY58937**

**Symptom:** The tec\_rule process stops with a SIGSEGV error when a rule calls the link\_effect\_to\_cause/2 predicate for a cause event that is no longer in the rules cache.

**Resolution:** The tec\_rule continues to run when a rule calls the link\_effect\_to\_cause/2 predicate for a cause event that is no longer in the rules cache. Be sure to update any existing rule bases with a new TEC\_TEMPLATES/templates.wic as described in [Installation Instructions](#).

**APAR: IY61644**

**Symptom:** The UNIX logfile adapters do not use the **syslog system startup** script (if present) when they are refreshed or started.

**Resolution:** The UNIX logfile adapters now use the **syslog system startup** script (if present) when they are refreshed or started.

**APAR: IY61762**

**Symptom:** The user of the TEC 3.8 Java version of the event console is unable to edit an event constraint in an automated task definition if the constraint attribute is 'Class' and the constraint operator is either 'In(IN)' or 'Not in (NOT IN)'. The Edit Event Constraint dialog is not displayed and an exception stack trace is displayed in the Console's standard out/standard error.

**Resolution:** The user of the TEC 3.8 Java version of the event console is now able to edit an event constraint in an automated task definition if the constraint attribute is 'Class' and the constraint operator is either 'In(IN)' or 'Not in (NOT IN)'.

**APAR: IY62106**

**Symptom:** The file descriptor leaks when the rules cache is cleared.

**Resolution:** The file descriptor does not leak when rules cache is cleared, and tracing to /tmp/tec\_rule continues.

**APAR: IY62287**

**Symptom:** Document 4.1.1-TMF-0003 as a prerequisite patch for installing ITEC 3.8. This is listed as a requirement in the 4.1.1-TMF-0003 README file, in order to install ITEC 3.8 on Framework 4.1.1.

**Resolution:** Documented in the Fix Pack 04 README.

**APAR: IY62893**

**Symptom:** The Windows adapter has a 30 second or longer delay every 100 events when events come from a LogSource.

**Resolution:** The Windows adapter has no unusual delay events when events come from a LogSource.

**APAR: IY63131**

**Symptom:** The `wsetemsg` command fails when modifying an event that has a server handle or event handle attribute value larger than a single digit.

**Resolution:** The `wsetemsg` command now modifies an event having a server handle or event handle attribute value larger than a single digit.

**Defect solutions included in Fix Pack 3.8.0-TEC-FP03**

The section provides a description and the resolution of the APAR fixes that are provided by the 3.8.0-TEC-FP03 fix pack.

**APAR: IY37108**

**Symptom:** For event consoles running on Windows systems, if the UI server goes down and the Event Viewer is started, a UI server error message is displayed. However, if displaying a different window and then redisplaying the Event Viewer, the Event Viewer does not respond and the UI server error message can only be displayed by pressing the Alt + Tab keys. After the UI server error message is displayed, click **OK** and the Event Viewer can be used.

**Resolution:** A different method for displaying the Event Viewer and error message is used so that the Event Viewer and error message can now be displayed.

**APAR: IY38047**

**Symptom:** The task execution GUI displays the host names of all managed nodes and endpoints instead of only the endpoints and managed nodes that are allowed by the default task library policy.

**Resolution:** Only the host names of endpoints and managed nodes that are specified by the task library policy are displayed.

**APAR: IY38500**

**Symptom:** If the event server is down and the event viewer is not running, an error message is not displayed when a Summary or Priority view is opened.

**Resolution:** An error message is now displayed.

**APAR: IY39339**

**Symptom:** Multiple clearing events cannot be created using the `create_clearing_event()` predicate when the clearing events have the same event class. The first clearing event is created and subsequent attempts fail.

**Resolution:** Multiple clearing events that have the same event class can now be created.

**APAR: IY39758**

**Symptom:** On Linux systems, the `syslogd` process is started after an adapter is stopped even if it was not running when the adapter was stopped.

**Resolution:** The `syslogd` process does not start if it was not running when the adapter is stopped. The `syslogd` process is restarted if it was running when the adapter is stopped.

**APAR: IY40622**

**Symptom:** When a multi-column sort is performed on the Event Viewer, the first event is not sorted.

**Resolution:** All events are now sorted properly.

**APAR: IY41667**

**Symptom:** The logfile adapter encloses the brackets ([ ]) around a slot that is of the type LIST\_OF STRING with single quotation marks ('). This causes a server parser error.

**Resolution:** The logfile adapter no longer encloses the brackets with single quotation marks. To enclose the slot between single quotation marks when it is enclosed with brackets, change the FMT file using a PRINTF statement, for example:

```
-tmp_msg $1
msg PRINTF("' %s '", tmp_msg)
```

**APAR: IY42111**

**Symptom:** The `wpostzmsg` command stalls when it runs from a script because event integration facility (EIF) design requires adapter commands to have exclusive read/write access to the cache file.

**Resolution:** To resolve this problem, specify a configuration file using one of the following options:

- BufferEvents=NO
- BufEvtPath=<specify\_path\_with\_write\_access>

**APAR: IY43295**

**Symptom:** Rule compilation fails when the rule contains non-English language text.

**Resolution:** The rule parser has been updated to correctly process non-English language text in rules. The text must be in UTF-8 format.

**APAR: IY45167**

**Symptom:** Some characters that are displayed in the graphical rule builder are displayed incorrectly. For example DBCS characters in the "Rule Synopsis" window may appear garbled.

**Resolution:** The characters are now displayed correctly.

**APAR: IY45644**

**Symptom:** Slots parsed by the `substr` statement for SNMP adapters that exceed the maximum event string length cause a malloc failure and the event is discarded.

**Resolution:** A warning message is displayed and the event is sent.

**APAR: IY45978**

**Symptom:** Parameters or variables that are passed to the `exec_program` predicate with slots that contain two backslashes (`\\`) are truncated and the two backslashes are removed. This problem occurred with Japanese language characters that have the same ASCII code as the backslash character: `x5C`.

**Resolution:** The backslashes are now retained and the parameter or variable is not truncated.

**APAR: IY46751**

**Symptom:** The following misleading error message is written in the `tec_gateway` trace log if a gateway cannot contact the Tivoli Enterprise Console server:

```
Send event failed errno=35 - TEC Server down or no ports available
```

**Resolution:** The following error message is now written to the log:

```
Send event failed errno=35 - Cannot contact TEC Server
```

**APAR: IY46861**

**Symptom:** When a rule is used that has an outside clause in the class filter and the `tell_err()` predicate is used, an error message similar to the following message is written to the file that is specified in the `tell_err()` predicate:

```
*** RUNTIME 404 *** Illegal call : unknown predicate false/0.
```

**Resolution:** The error message is no longer written to the log.

**APAR: IY46891**

**Symptom:** The Java version of the event console does not display all managed nodes.

**Resolution:** All managed nodes are now displayed.

**APAR: IY47079**

**Symptom:** When `ConnectionMode=connection_less` is specified in the configuration file for the `forward_event()` or `re_send_event_conf()` predicates, the `tec_rule` process suspends event processing for up to 4 minutes if the destination server is unavailable.

**Resolution:** The `PingTimeout` and `NumberOfPingCalls` configuration keywords were added to allow event forwarding to ping the destination server prior to sending an event. See the [Fix Pack Notes](#) section for more information.

**APAR: IY47646**

**Symptom:** Non-TME events are lost when a Tivoli Enterprise Console server running on a UNIX-based system is shut down.

**Resolution:** The `tec_server` process has been modified to prevent event loss during the event server shutdown sequence on a UNIX-based system.

**APAR: IY47708**

**Symptom:** When one or two events are selected and the ACK or CLOSE push buttons are used in the Java version of the event console graphical user interface (GUI), the push buttons are unavailable for 8 seconds.

**Resolution:** The push buttons are now available for immediate use if only one or two events are selected. If more than that many events are selected, the wait time is proportional to how many events are selected (up to 8 seconds for 100 events). The delay time is caused by the event server synchronizing and sending the request to the server.

**APAR: IY48053**

**Symptom:** The state correlation function drops events that are received by the event sink, because they contain a UTF8 identifier byte that is generally used by the server but the `tec_gateway` process does not recognize that byte.

**Resolution:** The `tec_gateway` process has been modified so that the state correlation function does not drop events. In addition, a configuration parameter must be set. See the [Fix Pack Notes](#) section of this readme file for more information.

**APAR: IY48227**

**Symptom:** The autostart information for TME adapters on UNIX systems was defined in the `rc.nfs` file. For TEC 3.8 the startup information was moved to the `rc.tecad_logfile` file; however, the autostart information was not removed from the `rc.nfs` file, and error messages are written to the log.

**Resolution:** The autostart information has been removed from the `rc.nfs` file.

**APAR: IY48310**

**Symptom:** The logfile format editor does not perform pattern matching consistently, even when the same logfile entries are received again and again. Sometimes the format file will match the entry and other times it will not.

**Resolution:** The logfile format editor now performs pattern matching in a consistent way.

**APAR: IY48565**

**Symptom:** The `-imptgtdata` option usage of the `wrb` command is documented incorrectly in the *IBM Tivoli Enterprise Console Command and Task Reference*, on page 78.

**Resolution:** For the correct information, see the [Documentation updates](#) section.

**APAR: IY48723**

**Symptom:** The enumeration ID for custom statuses is displayed in the Hide Status icon on the Console which is not very useful for the customer.

**Resolution:** The status is now displayed as text with "." after it instead of the number 40. Pause the cursor over the icon to display the complete status text.

**APAR: IY49070**

**Symptom:** The *IBM Tivoli Enterprise Console Version 3.8 Rule Builder's Guide* needs to better explain the limitations of the rule profile directive.

**Resolution:** Please see the [Documentation updates](#) section for updated explanation.

**APAR: IY49078**

**Symptom:** The TEC Java EIF libraries block infinitely on a `TECAgent.sendEvent()` call if the `cache.dat` file is damaged.

**Resolution:** The damaged `cache.dat` file is renamed `cache.file.corrupt`, a new `cache` file is created, and the event is sent to the server.

**APAR: IY49270**

**Symptom:** Non-English language text is incorrectly displayed in the graphical rule builder Conditions Synopsis and Action Synopsis fields.

**Resolution:** The non-English language text is now displayed correctly.

**APAR: IY49393**

**Symptom:** The following message is displayed when the non-TME version of the HP Openview adapter is installed in a directory path that has a space in one of the directory names:

```
E:\TECHPOV\BIN>Files\HP\bin\gen_lrf E:\Program Files\HP
The system cannot find the path specified
E:\TECHPOV\BIN>E:\Program\bin\ovaddobj
E:\Program\lrf\tecad_hpov.lrf
The system cannot find the path specified
```

**Resolution:** The HP Openview adapter can now be installed in a directory path that contains spaces.

**APAR: IY49554**

**Symptom:** The role authorizations of an event group can be modified from the event console GUI, but the authorizations cannot be updated from the command line.

**Resolution:** The role authorizations can now be changed using the command line. For example, assume that an event group is created with super and senior authorization with the following command:

```
wconsole -assigneg -h host -u user -p password -C Console1 -E EG1 -r super:senior
```

The following command now changes the authorization to admin and user:

```
wconsole -assigneg -h host -u user -p password -C Console1 -E EG1 -r admin:user
```

**APAR: IY49600**

**Symptom:** The `tec_dispatch` process can end unexpectedly when events are modified using the event console.

**Resolution:** Events can now be modified without the `tec_dispatch` ending unexpectedly.

**APAR: IY49696**

**Symptom:** The `convert_gm_time()` predicate does not convert the time that is specified.

**Resolution:** The `convert_gm_time()` predicate now converts the specified time correctly.

**APAR: IY49711**

**Symptom:** The `tec_dispatch` process can end unexpectedly if the BAROC parsing of a Tivoli Enterprise Console request message fails. For example, the problem can occur when slot attributes are set to a reserved word by rules processing.

**Resolution:** BAROC processing was changed so that reserved words can be used in slot attributes.

**APAR: IY49757**



**Symptom:** The tec\_gateway process uses all of the system resources when it flushes a damaged cache file.

**Resolution:** The damaged cache file is now truncated and system resources are no longer over allocated.

**APAR: IY50024**

**Symptom:** The adapter **gencds** commands are slow to produce a CDS file.

**Resolution:** The CDS file is now produced in a reasonable amount of time.

**APAR: IY50115**

**Symptom:** The Java event console can generate the following error when using single port bulk data transfer (BDT) and the RIM host has a name that starts with the letter I:

RDBMS cannot be reached

**Resolution:** An updated jcf.jar file is now packaged with TEC to correct this problem.

**APAR: IY50376**

**Symptom:** The *IBM Tivoli Enterprise Console Version 3.8 Reference Manual* does not explain all of the parameters supplied in the default .tec\_config file.

**Resolution:** Please see the [Documentation updates](#) section for a list of these parameters and explanations.

**APAR: IY50458**

**Symptom:** The *IBM Tivoli Enterprise Console Version 3.8 Release Notes* incorrectly describes the first\_instance and all\_instances rule predicates.

**Resolution:** See the [Documentation updates](#) section for the correct descriptions.

**APAR: IY50466**

**Symptom:** When an empty event is sent to clear the cache file, the empty event is also processed. This null event is not important because it is discarded at the tec\_gateway level, but it causes an overload in the LCF and Framework gateway level.

**Resolution:** Empty events are no longer processed and are instead ignored at the gateway level..

**APAR: IY50550**

**Symptom:** Nested ACP profiles are not deleted on endpoint adapters.

**Resolution:** Nested ACP profiles are now deleted on endpoint adapters.

**APAR: IY50558**

**Symptom:** The **wstopesvr** command does not complete in a reasonable amount of time.

**Resolution:** The tec\_rule processing during shutdown has been changed to hasten shutdown.

**APAR: IY50864**

**Symptom:** Using rules tracing for extended periods of time causes the Tivoli Enterprise Console to stop.

**Resolution:** A problem with the rule tracing process has been corrected to prevent it from stopping the Tivoli Enterprise Console.

**APAR: IY50866**

**Symptom:** More information is needed in the *IBM Tivoli Enterprise Console Version 3.8 Rule Builder's Guide* regarding the BufferFlushRate parameter and its usage when forwarding events.

**Resolution:** See the [Documentation updates](#) section for the additional information.

**APAR: IY50909**

**Symptom:** The Tivoli Management Framework files\_transfer function fails when the Logfile Format Editor is started in the following environment:

1. The ACF is installed on a UNIX managed node.
2. The TMR server is installed on a Windows-based platform.
3. The event server is installed on the UNIX managed node.

The following error message is displayed:

FRWTE0002E 'files\_transfer' operation error when saving/closing

**Resolution:** The Logfile Format Editor is started correctly and an error is not displayed.

**APAR: IY50978**

**Symptom:** Changes made in an adapter configuration profile (ACP) are not made to copies of the profile when it is distributed.

**Resolution:** The changes are now made to copies of the profile.

**APAR: IY51053**

**Symptom:** An error message is displayed when the Task Execution window is opened and a large number of managed nodes exist.

**Resolution:** The window now opens without error when a large number of managed nodes exist.

**APAR: IY51105**

**Symptom:** The startup time for an adapter is longer than it was for a Tivoli Enterprise Console version 3.6.2 adapter.

**Resolution:** Processes have been changed to improve the time that is required to start an adapter.

**APAR: IY51189**

**Symptom:** The **wtdb space** command output is not displayed correctly when any of the database table spaces are configured with an MRT (minimum recovery time) on the IBM DB2 product.

**Resolution:** The output is now correctly displayed.

**APAR: IY51190**

**Symptom:** The following configuration settings do not function correctly with the `re_send_event_conf()` predicate:

- `getport_timeout_seconds`
- `getport_timeout_usec`
- `getport_total_timeout_seconds`
- `getport_total_timeout_usec`

**Resolution:** These configurations are now correctly implemented and used instead of the system default timeouts.

**APAR: IY51251**

**Symptom:** The FILENAME format file attribute included with the enhanced adapters is not adequately documented.

**Resolution:** See the [Configuring enhanced logfile adapters](#) section below for more detail including an example of the FILENAME mapping attribute.

**APAR: IY51371**

**Symptom:** The IBM Tivoli Enterprise Console Version 3.8 Release Notes need clarification with regards to the monitoring of UTF-8 data through adapter filters.

**Resolution:** See the [Documentation updates](#) section for the update.

**APAR: IY51376**

**Symptom:** All enhanced adapters on the Unix platform do not read log files correctly when the LogSources configuration keyword is specified and the filename contains the question mark (?) pattern matching character.

**Resolution:** Filenames specified using the question mark (?) pattern matching character are now found.

**APAR: IY51511**

**Symptom:** A Windows non-TME Console silent installation does not update the `INSTALL_DIR` and `JRE_DIR` entries in the console launch or cli command file. This causes the `tec_console.cmd`, `wconsole.cmd`, `wtelexport.cmd`, and `wtecimport.cmd` commands to fail.

**Resolution:** The `INSTALL_DIR` and `JRE_DIR` entries in the CMD files are now updated correctly.

**APAR: IY51515**

**Symptom:** There is no easy way to determine the console version or revision of the TEC product.

**Resolution:** The console version and revision information for TEC is now displayed when you click **Help** → **About**.

**APAR: IY51534**

**Symptom:** The `wsetemsg` command does not set the value of a slot if the slot does not already exist in the database.

**Resolution:** If the slot already exists in the class, the slot value is added to the `tec_t_slots_evt` table in the database. If the slot does not exist an invalid slot error message is displayed.

**APAR: IY51636**

**Symptom:** The following error message is displayed when a Task Execution window is opened and event servers are installed in connected Tivoli Management Regions:

```
ECO2089E: The following Task Library Program Tags(s) failed:  
T/EC Tasks::fvaix08-region::SelectClass.  
Verify the Program Tag(s) implementation defined in your tll file.
```

**Resolution:** The Task Execution window opens without errors when multiple event servers are present. See the [Installation and configuration](#) section for information about updating your task library for this problem.

**APAR: IY51659**

**Symptom:** When the default web server is not used, the HTML information page is not displayed when the information button is used in a non-TME event console.

**Resolution:** In order for the event information HTML page to display, an earlier version of the Java Runtime Environment (JRE) must be used to start the console instead of the default version (JRE 1.3.1). Once the JRE is installed, modify the console initialization script (`tec_console` or `tec_console.cmd`) to reference the new JRE path. This problem only occurs when using a Web server that was not included with IBM Tivoli Enterprise Console Version 3.8.

**APAR: IY51865**

**Symptom:** On Windows systems the compile() predicate does not produce a WIC file.

**Resolution:** The compile predicate now produces a WIC file.

**APAR: IY51866**

**Symptom:** When SNMP adapters on a Windows system use the German language, varbind information with an umlaut in the text causes the values of the varbinds to be converted to hex numbers instead of the actual text.

**Resolution:** Text with umlauts is now displayed correctly.

**APAR: IY51877**

**Symptom:** The tec\_compile, tec\_consult, and tec\_reconsult predicates need to be better documented.

**Resolution:** Please see the [Documentation updates](#) section for the update.

**APAR: IY52078**

**Symptom:** The *IBM Tivoli Enterprise Console Version 3.8 Release Notes* need to be updated to inform the user that any installation parameters specified in the .tec\_config file are ignored when they are set using the wsetesvfcfg command.

**Resolution:** See the [Documentation updates](#) section for the update.

**APAR: IY52198**

**Symptom:** INT32 slots sent in hexadecimal or octal cause PARSING\_FAILED errors for the event.

**Resolution:** INT32 slots can now be sent in decimal, hexadecimal or octal format and they are parsed correctly. In the environment for exec\_task() and exec\_program(), INT32 slots are represented in hexadecimal. Forwarding from a task or program now functions correctly when INT32 slots are used.

**APAR: IY52333**

**Symptom:** Creating certain operators in the event console can cause other operators to be unassigned.

**Resolution:** Operators are not unassigned when a new operator is assigned.

**APAR: IY52418**

**Symptom:** When an event server runs on an Oracle database and the wdbmaint.sh script is run, either an error message is displayed or the indexes are not updated.

**Resolution:** The script now runs without generating an error message, and the database indexes are updated correctly.

**APAR: IY52425**

**Symptom:** The UNIX logfile adapters monitor syslog events regardless of the -s parameter specified in the Adapter Configuration Facility.

**Resolution:** The adapters correctly recognize the -s configuration parameter and monitor or ignore syslog events accordingly.

**APAR: IY52787**

**Symptom:** The cache is not flushed when the Java Event Integration Facility (EIF) is disconnected. For example, when a custom adapter sends an event to the event server and immediately disconnects.

**Resolution:** The event is sent and the cache is flushed before the EIF is disconnected.

**APAR: IY52912**

**Symptom:** The tec\_ui\_server process stops if trace2 is enabled.

**Resolution:** Tracing no longer stops the tec\_ui\_server process.

**APAR: IY52919**

**Symptom:** Updating an extended slot using a rule when the event is no longer in the event database generates a RIM\_Failure.

**Resolution:** A RIM\_Failure is no longer generated. The following message is written to the log instead:

Event no longer exists. No updates performed on the slot

**APAR: IY53048**

**Symptom:** The silent installation of the non-TME Windows adapter requires user intervention to close a window.

**Resolution:** A silent installation of the non-TME Windows adapter can now be performed without user intervention.

**APAR: IY53153**

**Symptom:** When specifying a LogSources entry for a logfile adapter on AIX 5.2 systems events are left in the syslog pipe file.

**Resolution:** The events are now read and the pipe emptied.

**APAR: IY53206**

**Symptom:** The tec\_dispatch process stops with a SIGSEGV error during startup when an event is loaded from the event database with a LIST\_OF\_STRING slot larger than 2048 characters.

**Resolution:** The tec\_dispatch process continues to run and the extra characters of the slot are truncated and replaced with ellipses (...).

**APAR: IY53223**

**Symptom:** A memory leak in tec\_rule was caused when an event created by the generate\_event() predicate was dropped with drop\_received\_event().

**Resolution:** Events in the queue are now properly dropped after they are processed without a memory leak.

**APAR: IY53250**

**Symptom:** When the enhanced adapter is running for a period of time, the following error may be displayed when you attempt to stop it:

```
Command Used
"./init.tecad_logfile -s stop <adapter_id>"
Error Received:
"./init.tecad_logfile[21]: 0403-029 There is not enough memory
available now."
```

**Resolution:** The enhanced adapter can now be stopped without errors.

**APAR: IY53942**

**Symptom:** On UNIX systems an oserv failure occurs when a PreFilter with more than 30 characters is specified.

**Resolution:** Prefilters with more than 30 characters can now be used.

**APAR: IY54050**

**Symptom:** A SIGSEGV error occurs in the tec\_ui\_server process when event attributes are changed.

**Resolution:** Events are now processed without stopping the tec\_ui\_server process.

**APAR: IY54074**

**Symptom:** Enhanced adapter identifier names cannot be reused. If they are reused, the distribution is successful; however the service is not created or displayed.

**Resolution:** Enhanced adapter identifier names can now be reused.

**APAR: IY54092**

**Symptom:** The **wconsole -lsooperator -a** command output lists operators that are assigned to consoles, but they are not listed in the **wconsole -lsconsole -a** command output.

**Resolution:** Operators are now listed in the **wconsole -lsconsole -a** command output.

**APAR: IY55329**

**Symptom:** Silent installation for Windows enhanced logfile adapters does not work.

**Resolution:** The setup.iss file can now be configured for a silent installation. See the [Documentation updates](#) section for more information.

**APAR: IY55376**

**Symptom:** The ACF logfile adapter installation appends data to the /etc/rc.shutdown file after the exit 0 statement.

**Resolution:** The adapter shutdown information is now added to the top of the /etc/rc.shutdown file.

**APAR: IY55816**

**Symptom:** When the Maximum number of events in Event Viewer option is set to zero in the general console preferences, all events are displayed in the event viewer.

**Resolution:** See the [Fix Pack Notes](#) section above for more information about this configuration option.

**APAR: IY55851**

**Symptom:** The PollConnection option does not function correctly when FILTERMODE=IN is specified because the zero length event is being filtered.

**Resolution:** All filtering for the PollConnection option is ignored when zero length events are sent.

**APAR: IY55852**

**Symptom:** Non-administrative consoles are unable to connect to an event server when the Tivoli Management Region is running in maintenance mode.

**Resolution:** See [Fix pack Notes](#) for more information.

**APAR: IY55866**

**Symptom:** The UNIX logfile adapter autostart script is not updated when the -s flag is added to the profile after actions.

**Resolution:** The logfile autostart script is updated and the -s flag is now added to it correctly.

**APAR: IY55907**

**Symptom:** Rules that contain parenthesis within a first\_instance() predicate do not compile correctly.

**Resolution:** Rules that contain parenthesis within a first\_instance() predicate now compile correctly.

**APAR: IY56170**

**Symptom:** The tec\_reception process fails with a bdt\_timed\_open error when it connects to tec\_gateway if the port range function is enabled.

**Resolution:** The tec\_reception process now uses the port range that is set by the oserv process.

**Defect solutions included in Fix Pack 3.8.0-TEC-FP02**

This section provides a description and the resolution of the APAR fixes that are provided by the 3.8.0-TEC-FP02 fix pack.

**APAR: IY13071**

**Symptom:** If an AS/400 message is written to the queue, removed, and a new message is written from a separate process, the adapter does not send the first message event.

**Resolution:** The AS/400 adapter now checks the date, time, and message length of each message in the queue to verify that a message has changed. If a message has changed, a new event is sent.

**APAR: IY20113**

**Symptom:** In an environment where two Tivoli regions are interconnected and both event servers are listed in the configuration file, running the **wpostemsg** command causes the first event that is sent to the server after the primary event server shuts down to be cached. This event should be received at the secondary event server.

**Resolution:** An event integration facility (EIF) environment variable was not being reset correctly. This caused the first event to be cached. The environment variable is now set correctly.

**APAR: IY20446**

**Symptom:** Changing the severity of the selected event task runs indefinitely when the host name associated with the event is not a valid host name.

**Resolution:** The event console now verifies that the host name associated with the selected event is a valid host name. If the Current Host value is not set and the user must select a valid host name from the Available Hosts list.

**APAR: IY22689**

**Symptom:** The AS/400 adapter does not shut down correctly when a user creates a message and sends it to the queue.

**Resolution:** The adapter shuts down correctly because the adapter verifies the length of the message fields to prevent use of entries that are not valid.

**APAR: IY30915**

**Symptom:** After distributing an adapter with the **-S** option specified and restarting the adapter, the **tecad\_logfile** process does not restart.

**Resolution:** The adapter configuration profile (ACP) dependencies were modified to allow the adapter to restart when the **-S** option is specified.

**APAR: IY31847**

**Symptom:** All events in a log file are sent to the event server when the date of the log file is changed.

**Resolution:** The **NewLogBasedOn** keyword specifies whether a log file should be treated as new when the time stamp of the file changes but the size remains the same. See the [Documentation updates](#) section for information about this keyword.

**APAR: IY31930**

**Symptom:** When events are forwarded from one event server to another the **date\_reception** field within the **server\_path** object does not have a valid date value.

**Resolution:** The event forwarding functionality has been modified to store the date value correctly.

**APAR: IY32758**

**Symptom:** When the **all\_clear\_targets** predicate is called events are cleared that should not be cleared.

**Resolution:** The **all\_clear\_targets** predicate now checks the event for restrictions before clearing an event.

**APAR: IY34037**

**Symptom:** The **NT\_DUPLICATE\_NAME** class is not included in the **TECAD\_NT.baroc** file although it is defined in the installed format file.

**Resolution:** An updated **TECAD\_NT.baroc** file is now installed in the default rule base. The rule base must be recompiled and reloaded to utilize this fix.

**APAR: IY34268**

**Symptom:** Task results are not reported to the tec\_dispatch process due to the TISDIR environment variable not being set correctly in the Tivoli Management Framework environment.

**Resolution:** The tec\_task process now reports task results to the tec\_dispatch process.

**APAR: IY34293**

**Symptom:** When the tec\_console -E <Event\_Group\_Name> command is issued it generates an error if the event group name contains a space.

**Resolution:** The **tec\_console** command now accepts event group names that contain spaces.

**APAR: IY34564**

**Symptom:** When initializing a multi-region adapter, the adapter shuts down incorrectly because use of a relative path name for the set\_multi\_lang\_format procedure call causes a file not found error.

**Resolution:** The **init.tecad\_logfile** script was updated to change the current working directory before the set\_multi\_lang\_format procedure is called.

**APAR: IY35199**

**Symptom:** Predicates that contain commit\_\* preceded by an opening parenthesis do not parse correctly. For example, commit\_\*(.

**Resolution:** The rule compiler has been updated to allow commit\_\* predicates to parse correctly.

**APAR: IY36164**

**Symptom:** Rules that use the tec\_compile predicate do not successfully compile and run because the tec\_compile predicate fails due to a sub-predicate extension error.

**Resolution:** Rules using the tec\_compile predicate successfully compile and run.

**APAR: IY36538**

**Symptom:** When more than 200 task results are loaded in the event viewer the console performance declines.

**Resolution:** The database calls were modified to retrieve all events more efficiently.

**APAR: IY36663**

**Symptom:** Running the **wconsole** command from the command-line interface generates a graphical login screen and does not return an error code.

**Resolution:** The command now exits with a non-zero return code when a password that is not valid is specified.

**APAR: IY37101**

**Symptom:** After opening the Selected >Task Execution menu in the event console only the first 100 task library entries are displayed.

**Resolution:** All task library entries are displayed when the Selected >Task Execution menu is opened.

**APAR: IY37669**

**Symptom:** Two entries are recorded in the adapter trace file for every event that is sent.

**Resolution:** Adapter tracing correctly records each event entry.

**APAR: IY38429**

**Symptom:** The **wdbinstall.sh** script from the Database Installation fails if the directory name contains spaces.

**Resolution:** The scripts used by the Database Installation Assistant run successfully when located in a directory whose name contains one or more spaces.

**APAR: IY38591**

**Symptom:** The tec\_task process ends incorrectly with a signal 211 and generates a core file when forwarding an event with a large server\_path slot value to the event server.

**Resolution:** Events that contain large server\_path slot values are now successfully forwarded to the event server. If a slot value exceeds the internal limit an error message is generated in the tec\_rule log file and the event server continues to function correctly.

**APAR: IY38909**

**Symptom:** When a PARSING\_FAILED error is generated a reason code is not provided.

**Resolution:** Now when a PARSING\_FAILED error is generated an error code is returned.

**APAR: IY39348**

**Symptom:** An error is generated when importing non-UTF8 rules and classes with the **wrb-encoding** command.

**Resolution:** The **wrb** command correctly imports rules from all supported non-UTF8 code sets. See the [Documentation updates](#) section for information about the **wrb** command.

**APAR: IY39436**

**Symptom:** The UNIX adapters generate a NULL event when the final character of an event is \n.

**Resolution:** When the final character of an event is \n the adapter replaces the character of \n with the correct delimiting character of \0 and the NULL event is not generated. The adapter appends the character of \0 as the event delimiter.

**APAR: IY39819**

**Symptom:** Memory usage increases for the tec\_ui\_server process even when the total number of active event consoles remains the same.

**Resolution:** The tec\_ui\_server process no longer consumes excess memory when the number of active event consoles does not change.

**APAR: IY39974**

**Symptom:** After upgrading to IBM Tivoli Enterprise Console version 3.8 and running the **wrbupgrade** command custom rule bases no longer function.

**Resolution:** Custom rule bases are now upgraded successfully.

**APAR: IY40173**

**Symptom:** The tec\_gateway process uses a large amount of memory as the gateway stores thousands of events.

**Resolution:** The gateway now queues incoming events more efficiently to minimize the amount of memory used by the process. The memory growth under a high rate of incoming events should now be limited to 1 or 2 megabytes more than the typical growth that occurs during operation.

**APAR: IY40180**

**Symptom:** Because the tec\_gateway process does not have error tracing, it does not capture errors when no ports are available. No ports are available when all ports are in TIME\_WAIT state.

**Resolution:** Tracing is now available for the gateway. See the [Documentation updates](#) section for information about error tracing for the tec\_gateway process.

**APAR: IY40095**

**Symptom:** Locale characters entered into the event console login pop-up window using NLS keyboard mappings are not accepted.

**Resolution:** See the [Documentation updates](#) section for information.

**APAR: IY40328**

**Symptom:** Database insertion errors in the TEC\_DB\_deferred\_insert() routine can cause a SIGSEGV error in both the tec\_reception and tec\_dispatch processes.

**Resolution:** A bad memory reference caused the SIGSEGV error. The bad memory reference occurred when disconnecting or reconnecting to the RIM. The problem was resolved.

**APAR: IY40448**

**Symptom:** Duplicate events can be inserted into the database during an event storm. The duplicate events cause duplicate key errors and allow duplicate events to be seen at the event server.

**Resolution:** Duplicate events are no longer inserted into the database under event storm conditions and no duplicate events are seen at the event server.

**APAR: IY40453**

**Symptom:** Events that have an equals symbol (=) in a slot value are not put in the rules cache when the event server is restarted.

**Resolution:** When an event has an equals symbol (=) in a slot value the entire event is enclosed in double quotation marks to allow the event to parse correctly.

**APAR: IY40576**

**Symptom:** In the Target Hosts window of the Task Execution window all of the endpoints in the Tivoli region are not listed. The list of host names does not display all host names for a task on a selected event in the event console. The host name list for running a task on a selected event was limited to only 100 endpoints. Currently more than 100 endpoints are in the list, but the list still does not contain all of the endpoints.

**Resolution:** All of the endpoints in the Tivoli region are now correctly displayed.

**APAR: IY40871**

**Symptom:** All of the endpoints in the Tivoli region are not listed in the Target Hosts window (which is selected from the Task Execution window).

**Resolution:** The host name list for running a task on a selected event was limited to 100 endpoints. Now more than 100 endpoints can be displayed. Note: this was tested with 200 endpoints, a maximum number was not determined.

**APAR: IY41161**

**Symptom:** When an event that is not in the event cache is modified by running the **wsetemsg** command, the modified slot value is not correct.

**Resolution:** The User Interface (UI) server was modified to pass the enumerated slot value, not the integer value, to the `tec_dispatch` process.

**APAR: IY41202**

**Symptom:** Unassigned operators are not listed in the Available Operators window.

**Resolution:** After an operator is unassigned the operator name is moved to the Available Operators list.

**APAR: IY41312**

**Symptom:** When the Database Installation Assistant is run on the Linux operating system (IX-86 and S/390), the following error is generated:

```
./wdbinstall.sh: ../jre/linux-ix86/jre/bin/java: No such file or directory
```

**Resolution:** The Database Installation Assistant now executes as expected..

**APAR: IY41318**

**Symptom:** When running the **wsetemsg** command to update an event with a custom slot, the following error is generated:

Database error occurred while validating slot names.

**Resolution:** The database connection now remains open until all of the slot values are validated.

**APAR: IY41391**

**Symptom:** When the startup parameter is specified for an adapter, syslog is only refreshed after the adapter updates the lock file in the time frame specified by the startup parameter.

**Resolution:** The syslog refresh is delayed until the adapter startup is complete and new events are not missed.

**APAR: IY41395**

**Symptom:** *The IBM Tivoli Enterprise Console Adapters Guide* incorrectly states that an administrator account with Senior privileges or higher is required to start an adapter.

**Resolution:** See the [Documentation updates](#) section for information about this APAR.

**APAR: IY41444**

**Symptom:** The event console does not adjust the Event Date Reception time for daylight savings time when the time zone is set to British Summer Time.

**Resolution:** The event console now supports the Europe/London time zone definition. The `TEC_CONSOLE_TZ` environment variable must be set to Europe/London. For example:

```
TEC_CONSOLE_TZ=Europe/London
Export TEC_CONSOLE_TZ
```

**APAR: IY41567**

**Symptom:** Due to a memory leak the Solaris adapter ends incorrectly and generates a core file when reading events from a custom event source.

**Resolution:** A memory leak in the Solaris adapter was resolved.

**APAR: IY41592**

**Symptom:** When the AIX operating system is shutting down the adapter process ends without running the **init.tecad\_logfile stop** command.

**Resolution:** The **init.tecad\_logfile stop** command was added to the `/etc/rc.shutdown` script.

**APAR: IY42131**

**Symptom:** An environment variable is needed to indicate whether the `TEC_EXECUTE_TASK_DBCS=TRUE` option is set in the `.tec_config` file.

**Resolution:** When the `TEC_EXECUTE_TASK_DBCS=TRUE` option is set in the `.tec_config` file the following environment variable is also set: `TEC_EXECUTE_TASK_DBCS=TRUE`.

**APAR: IY42235**

**Symptom:** The administrator name is incorrectly displayed in the event console when double-byte characters (DBCS) are used. On Windows systems the administrator name field is empty, but on UNIX systems the name is displayed as boxes.

**Resolution:** The administrator name is now correctly displayed in a DBCS environment.

**APAR: IY42242**

**Symptom:** The `first_duplicate` rule, which is generated by the graphical rule builder (GRB) fails. A space must be added before the `commit_rule` predicate before the rule can be parsed correctly.

**Resolution:** A space was added before the `commit_rule` predicate.



**APAR: IY42371**

**Symptom:** Users are not able to use the custom button on a remote console when the DISPLAY value is :0.0 because the DISPLAY value is not passed to the command triggered by the custom button.

**Resolution:** The console now passes all environment variables to the process triggered by the custom button.

**APAR: IY42395**

**Symptom:** The following error occurs when the **wtdbSPACE** command is run to query a Sybase database:  
The RDBMS server call has failed.

**Resolution:** The command was modified to query the correct devices.

**APAR: IY42462**

**Symptom:** After distributing an adapter to a Linux endpoint the adapter does not stop correctly before the system shuts down. This prevents the syslog from starting when the system restarts, thus lengthening the system startup time. In addition, entries that are not valid are written to the syslog.conf file.

**Resolution:** The adapter is now shut down correctly when the system is restarted and entries that are not valid are not written to the syslog.conf file.

**APAR: IY42463**

**Symptom:** The event console does not always start on operating systems that have multiple network adapters installed. Depending on the order in which they are bound in the operating system.

**Resolution:** An updated version of the Java Client Framework (JCF) is provided to improve the functionality of systems with multiple network adapters. See the [Documentation updates](#) section for information.

**APAR: IY42602**

**Symptom:** The win\_gencls process can fail and generate a Dr. Watson error if a format string constant has more than 37 double-byte characters (DBCS).

**Resolution:** Format string constants that have more than 37 double byte characters (DBCS) are now supported. Note: A maximum value was not determined.

**APAR: IY42661**

**Symptom:** If the **wsetemsg** command is run to modify multiple integer or enumerated slot values (such as status or severity) for an event that is no longer in the event cache, the event data is damaged.

**Resolution:** The **wsetemsg** command allocates temporary space for each slot value being updated so that the data is not damaged.

**APAR: IY42694**

**Symptom:** Events received from an AS/400 operating system that contain an opening or closing parenthesis can cause a PARSING\_FAILED error at the event server.

**Resolution:** The AS/400 adapter now checks for parentheses and encloses the value in double quotation marks if a parenthesis is found.

**APAR: IY42754**

**Symptom:** TEC\_DB events originating in a Japanese locale are not displayed correctly in the event console.

**Resolution:** The tec\_dispatch process notifies the event integration facility (EIF) when an incoming event is already in UTF8 format to prevent multiple UTF8 conversions.

**APAR: IY42774**

**Symptom:** The tecad\_logfile process has a memory leak on the AIX 5.1 operating system.

**Resolution:** The adapter was modified to manage memory resources more efficiently.

**APAR: IY42831**

**Symptom:** Valid events with slot attributes of the REAL data type might start receiving PARSING\_FAILED errors.

**Resolution:** Incorrect initialization of C runtime errno was fixed so that it now initializes correctly.

**APAR: IY42852**

**Symptom:** When the **wtdbSPACE** command is run against a Sybase or MSSQL database the wrong size might be reported for the IBM Tivoli Enterprise Console database device or the Master database device.

**Resolution:** The **wtdbSPACE** command used the same variable to calculate the size for both devices. Now it uses two different variables to correctly reference each device when calculating sizes. The variable for the Sybase database is now db\_sybttec\_size and the variable for the MSSQL database is db\_msqtec\_size.

**APAR: IY42976**

**Symptom:** A memory leak occurs in the tec\_rule process when events are forwarded using the re\_send\_event\_conf() predicate.

**Resolution:** Temporary storage that was allocated while formatting the event was not released. Now events are formatted to remove temporary storage that is not needed.

**APAR: IY42977**

**Symptom:** The IBM Tivoli Enterprise Console server stops processing events for a period of time when it is receiving events and a network disconnection occurs.

**Resolution:** The tec\_reception process can block indefinitely while receiving events from the network if there are connection problems. The reception logic was changed to incorporate a configurable timeout for reception of events when there are network problems. The new tec\_rcv\_timeout configuration parameter was added to the .tec\_config file. See the [Documentation updates](#) section for information about this parameter.

**APAR: IY43147**

**Symptom:** Using the CTRL-E control character in an event might cause the tec\_dispatch process to exit with a segmentation violation.

**Resolution:** Events that use the CTRL-E control character are not allowed and are now detected as PARSING\_FAILED events.

**APAR: IY43235**

**Symptom:** The tec\_dispatch process might exit with a segmentation violation when REAL data type attributes with locale specific decimal separators are used.

**Resolution:** REAL type attribute values were passed to the IBM Tivoli Enterprise Console server using the C locale (POSIX) decimal separator ( . ), but were not treated internally using the C locale. REAL type attributes are now always treated internally using the C locale.

**APAR: IY43249**

**Symptom:** The readme file for 3.8.0-TEC-FP01 is misleading with regard to the ProcessPriorityClass attribute's applicability to adapters.

**Resolution:** See the [Installation and configuration](#) section for updated information about the ProcessPriorityClass attribute.

**APAR: IY43274**

**Symptom:** After installing 3.8.0-TEC-FP01, the re\_send\_event\_conf predicate no longer forwards events.

**Resolution:** The event integration facility (EIF) was not initialized correctly when events were forwarded. The EIF is now initialized correctly when events are forwarded.

**APAR: IY43294**

**Symptom:** Operator PREFIX entries in the CDS files do not match.

**Resolution:** Incorrect parsing of the CDS entries was corrected So that operator PREFIX entries now match.

**APAR: IY43312**

**Symptom:** The tec\_gateway process sometimes runs out of remote procedure call (RPC) threads.

**Resolution:** A GWThreadCount tec\_gateway parameter was added. See the [Documentation updates](#) section for information about the new GWThreadCount parameter.

**APAR: IY43346**

**Symptom:** Use of the \$VARBIND variable in an HP OpenView or an SNMP adapter's CDS file might cause the adapter to do a core dump when handling certain traps.

**Resolution:** Now traps with long VARBIND variables are handled without internal errors. Current maximum size is limited to 4096 characters.

**APAR: IY43376**

**Symptom:** The adapter format file does not correctly bind messages when using the characters %s\*.

**Resolution:** Parsing now correctly matches when using the characters %s\*.

**APAR: IY43428**

**Symptom:** On Oracle operating systems the Database Installation Assistant creation scripts fail when using the operating system authentication.

**Resolution:** See the [Documentation updates](#) section for more information.

**APAR: IY43473**

**Symptom:** The event console displays boxes in the attribute value if embedded control characters are contained in the attribute value.

**Resolution:** If the Display Formatted Names and Values check box is selected, embedded control characters are not displayed. The check box is selected by default.

**APAR: IY43502**

**Symptom:** Events are not cleared when running the **wtdbclear.pl** command with the -D flag (debug flag).

**Resolution:** Debug output was incorrectly sent to the RDBMS interface manager (RIM) connection instead of STDOUT. Now debug output is sent to STDOUT.

**APAR: IY43799**

**Symptom:** The **wsetemsg** command allows an event to be set to acknowledge (ACK) multiple times.

**Resolution:** Setting the event status to ACK multiple times is no longer allowed by default. You must now use the -f flag to acknowledge an event whose status is already ACK.

**APAR: IY44060**

**Symptom:** After applying 3.8.0-TEC-FP01, the following error message is displayed in the /tmp/tec\_rule file:

```
Apr 23 11:55:12 tec_rule:17384 ERR re_queue_task: Event under analysis dropped, task monitor set to NO.
```

**Resolution:** The message is generated when the event under analysis is dropped before the associated task is run.

Because this is not a valid error message the message level was changed from error to warning. By default no message is generated.

**APAR: IY44093**

**Symptom:** Blank lines in the Logsources file of a UNIX logfile adapter were matched to a class which had no variables in a format file. As a result an event composed of a blank line was sent to the event server.

**Resolution:** Blank lines in a Logsources file are now ignored and are not sent to the event server.

**APAR: IY44231**

**Symptom:** Events that are generated internally are dropped when the rules cache is full.

**Resolution:** If the rules cache is full an internally generated event forces a cleaning of the rules cache to make room for events that are generated internally.

**APAR: IY44309**

**Symptom:** A rule base that contained a BAROC event class and an enumeration with the same name compiled and loaded successfully but prevented the event server from starting.

**Resolution:** An event class and an enumeration cannot have the same name. The compiler generates an error when there is an attempt to compile a rule base which contains an event class and an enumeration with the same name.

**APAR: IY44417**

**Symptom:** The **postemsg.exe** command generates an error message when sending events across a slow network connection.

**Resolution:** The **postemsg.exe** command can now use the `getport_timeout_` parameters specified in the configuration file. For example: `postemsg -f <file.conf> <event information>`.

**APAR: IY44435**

**Symptom:** The **wtdbclear** command does not detect errors on Sybase and fails to clear events.

**Resolution:** The problem with stored procedures that caused this on Sybase has been fixed. For this change to take affect reinstall the IBM Tivoli Enterprise Console database using the Database Installation Assistant.

**APAR: IY44517**

**Symptom:** On HP-UX systems with rule base tracing enabled or when the `convert_local_time` or `get_local_time` predicates are called, /TMP/KIRKDB.txt is created and grows continuously as rules are processed.

**Resolution:** The debug output was removed from the \$BINDIR/TME/TEC/interpreter/lib/unix/UnixTime.wic file.

**APAR: IY44562**

**Symptom:** Switching between Summary Chart View and Configuration View causes a memory leak in the event console.

**Resolution:** Allocations of extraneous objects caused the memory growth. The additional objects were removed.

**APAR: IY44566**

**Symptom:** The **wtdbspace** command reports incorrect information for the BLOB tablespace for the Informix database.

**Resolution:** Logic problems in the **wtdbspace** command were corrected. BLOB tablespace information is now calculated correctly.

**APAR: IY44577**

**Symptom:** An unnecessary dependency on the Tivoli Management Framework DependencyMgr:acpep-ep library causes the libraries to be distributed to endpoints when the adapter is distributed. Some customers do not want the latest Tivoli Management Framework libraries to be distributed because of product constraints.

**Resolution:** Because a compatible version of the libraries is available on the endpoints for IBM Tivoli Enterprise Console adapters, the dependency was removed and the libraries are no longer distributed along with the adapter.

**APAR: IY44924**

**Symptom:** A RIM error occurs for the TEC\_Start event when the IBM Tivoli Enterprise Console product is restarted and the add\_to\_repeat\_count predicate is called.

**Resolution:** This problem occurred because the last\_modified\_time value was initialized during event server startup. This value is now initialized correctly.

**APAR: IY44974**

**Symptom:** The following error message is displayed when selecting Task Execution in the event console even though the oserv daemon is running:

ECO2069E: The oserv stopped running. Please restart the console after the oserv is running.

**Resolution:** Empty task libraries defined in the Tivoli region were not handled correctly. The event console now handles these libraries correctly and does not display an error message.

**APAR: IY45045**

**Symptom:** AS/400 adapter filtering using FilterMode=IN does not work.

**Resolution:** Problems with filter processing due to EBCDIC to UTF8 conversion were fixed.

**APAR: IY45048**

**Symptom:** The following error message is displayed when custom buttons run scripts for events forwarded from another IBM Tivoli Enterprise Console server:

ECO2007E: The selected command could not be executed.

**Resolution:** The processing error occurred because the server\_path attribute for forwarded events, which was assumed to be empty, was not empty. The event console now handles a server\_path attribute that is not empty.

**APAR: IY45119**

**Symptom:** When error logging is enabled the following error message is generated for Windows non-TME adapters:  
Unable to initialize TIS table...

**Resolution:** The Windows non-TME adapter did not set the TISDIR environment variable during installation. The TISDIR environment variable is now set by the installation, but requires the system to be restarted.

**APAR: IY45389**

**Symptom:** Adapters running in debug mode do not match events in the same way as adapters running in standard mode.

**Resolution:** Adapters running in debug and standard mode now match events in the same way.

**APAR: IY45458**

**Symptom:** After rebooting the system the lcf daemon starts with an incorrect environment variable setting and event data is not readable.

**Resolution:** See the [Documentation updates](#) section for information.

**APAR: IY45602**

**Symptom:** When tracing is enabled in the logfile adapter error file a TEC adapter generates the following message even when an event is sent successfully:

Event not sent to TEC

**Resolution:** Incorrect checking of the return code was changed to prevent an error message from being displayed when events are sent successfully.

**APAR: IY45756**

**Symptom:** Running the **wtdb space** command on HP-UX systems against a Sybase database fails with the following error:

RIM access error -quitting

**Resolution:** The problem with the **wtdb space** command was caused by incorrect number conversion. Numbers are now converted to the correct format.

**APAR: IY45807**

**Symptom:** The tec\_rule process has continued memory growth when events are forwarded.

**Resolution:** A problem caused by temporary allocation not being freed was repaired.

**APAR: IY45915**

**Symptom:** The Windows logfile adapter does not send SAP events.

**Resolution:** The limitation of 64 substrings in a message is too small for SAP events because SAP events require 91 substrings. The new limit is 128 substrings.

**APAR: IY46560**

**Symptom:** The entire message is not displayed when the Windows logfile adapter starts successfully.

**Resolution:** A logic error that occurs during format file processing was fixed and an error was corrected in the Windows logfile adapter format file.

**APAR: IY46725**

**Symptom:** Valid events are discarded from the event server due to PARSING\_FAILED errors.

**Resolution:** The time stamp for incoming events was incorrectly checked against the tec\_rule\_cache\_full\_history configuration parameter which caused some events to be discarded. Incoming event time stamps are no longer checked.

**APAR: IY46770**

**Symptom:** Pop-up messages in the event console generated by the **wsendresp** command prevent actions from being performed in the event console until the pop-message is closed.

**Resolution:** The pop-up message attributes were changed and are no longer modal.

**APAR: IY46800**

**Symptom:** A segmentation violation can occur when using the tec\_put\_event() event integration facility (EIF) application programming interface (API) call if connection problems occur during event processing.

**Resolution:** Extraneous freeing of memory allocation when network problems exist led to the problem. Memory is now only being freed once.

**APAR: IY46805**

**Symptom:** The graphical rule builder (GRB) generates an oserv failure when it edits rules on an HPUX 11 system.

**Resolution:** Using a version specific system library caused the problem. The GRB no longer depends on version specific system libraries.

**APAR: IY46977**

**Symptom:** Rules compiled without tracing enabled might have parsing errors when commit\_\* predicates are used.

**Resolution:** The rule compiler was handling the backslash ( \ ) incorrectly when rules were parsed. This led to commit\_\* predicates being parsed as part of the string that contained the backslash.

**APAR: IY47297**

**Symptom:** When task choice lists are loaded from an external file the list is not displayed in the event console.

**Resolution:** The event console now correctly loads choice lists maintained in external files.

**APAR: IY47431**

**Symptom:** The tec\_rule process ends with exit code 211 when processing the flush\_if\_ack NetView rule.

**Resolution:** A predicate in the netview.rls file was rewritten because of an incorrect string.

**APAR: IY47442**

**Symptom:** Logfile adapters do not match events the same way when the -d flag (debug) is enabled.

**Resolution:** A logic error that occurred during format file processing was fixed.

**APAR: IY47508**

**Symptom:** The documentation contains an incorrect location for the rule base profile report file.

**Resolution:** See the [Documentation updates](#) section for information.

**APAR: IY47552**

**Symptom:** When DRVSPEC tracing is enabled for the SNMP logfile adapter, any incorrect version 1 (or other version) of an SNMP trap can cause a segmentation violation.

**Resolution:** Debug trace processing attempted to print processed SNMP traps even if the SNMP trap was not successfully processed. Tracing is now performed only if the SNMP trap was successfully processed.

**APAR: IY47689**

**Symptom:** When upgrading to a later version of the IBM Tivoli Enterprise Console database, previously customized databases, may be overwritten unless upgrade database scripts are changege .

**Resolution:** See the [Documentation updates](#) section for information.

**APAR: IY47778**

**Symptom:** The enhanced logfile adapter PreFilter option is not available for Windows or UNIX adapters.

**Resolution:** The Adapter Configuration Facility (ACF) failed to account for name differences for enhanced logfile adapters. The ACF now checks names for both current and enhanced logfile adapters.

**APAR: IY47948**

**Symptom:** When the `wtdbpace -T` command is run to limit the display of data to the IBM Tivoli Enterprise Console tablespaces the data is not displayed in the correct order.

**Resolution:** The variable name was overwritten which created a reference to the wrong tablespace. This problem is corrected.

**APAR: IY47953**

**Symptom:** When the `WIDTHSTRMEANING=YES` option is set the logfile adapter format files containing the `%[length]s` format do not correctly match events.

**Resolution:** The adapters now correctly handle format files containing the `%[length]s` format and the events match as expected. The `WIDTHSTRMEANING` keyword can be configured in the adapter configuration file. It is used with the format string of `%[length]s`. Setting `WIDTHSTRMEANING=YES` in the adapter configuration file determines the length of the modifier (as was the case in the IBM Tivoli Enterprise Console Version 3.6 product) or specifies how long the string to match must be. The default is `WIDTHSTRMEANING=NO`. When `WIDTHSTRMEANING=NO` is the value for this keyword the length of the modifier is truncated. The full string is matched and the associated variable is truncated to the specified length.

**APAR: IY47956**

**Symptom:** After unassigning an operator in the event console it is not possible to reassign the operator to another event console. After restarting the console the operator is still not in the Available operators list.

**Resolution:** After an operator is unassigned from an event console the name is moved from the Current Operators list to the Available Operators list.

**APAR: IY47983**

**Symptom:** During Linux logfile adapter installation the `syslogd` process is blocked when it tries to open a named pipe while running the `$(TECADHOME)/bin/update_conf` script.

**Resolution:** Incorrect usage of pipes on Linux systems caused the `syslogd` process to be blocked. The `init.tecad_logfile_startup` script was modified to use named pipes correctly.

**APAR: IY48071**

**Symptom:** If the `Config dir:` field is changed on the General page when the `tec_gateway` adapter configuration profile (ACP) is edited, the `tec_gateway` process cannot read the `tec_gateway.conf` file.

**Resolution:** See the [Documentation updates](#) section for additional information.

**APAR: IY48228**

**Symptom:** Real values are formatted and displayed in exponential notation.

**Resolution:** The new `tec_disable_exponential_format` configuration parameter was created. See the [Documentation updates](#) section for information about this new parameter.

**APAR: IY48323**

**Symptom:** The DB2 client script templates used by the Database Installation Assistant have an additional back slash (`\`) on the `ddl` statement for the `TEC_T_ASSIGN_OP` table, which causes the Database Installation Assistant to stop running.

**Resolution:** The extra back slash (`\`) was removed from the DB2 client script templates.

**APAR: IY48347**

**Symptom:** BAROC reserved words that cannot be used in slots is not documented in the IBM Tivoli Enterprise Console documentation library.

**Resolution:** See the [Documentation updates](#) section for information.

**APAR: IY48508**

**Symptom:** When the rule base compiles a Java exception is thrown if a data file is imported into a rule base target (such as `rule_sets_EventServer`) and a rule pack is later imported into the same rule base target. The rule base pack is positioned after the data file entry in the rule base target file.

**Resolution:** A rule base now compiles correctly when a rule pack is imported into the rule base after a data file is imported into the rule base target and positioned after the data file entry in the target file.

## Defect solutions included in Fix Pack 3.8.0-TEC-FP01

The section provides a description and the resolution of the APAR fixes that are provided by the 3.8.0-TEC-FP01 fix pack.

**APAR: IY21196**

**Symptom:** AIX adapters do not automatically start with startup commands in the `rc.nfs` file.

**Resolution:** An entry is now added in the `/etc/inittab` file. The `/etc/rc.tecad_logfile` file is created and the appropriate commands were included in the file to start the adapter when the system restarts.

**APAR: IY28856**

**Symptom:** Running the **wsetemsg** command takes several minutes to complete when there is a large number of events in the database.

**Resolution:** The **wsetemsg** command correctly updates the specified events when there is more than 1000 events in the database and returns within 2 seconds.

**APAR: IY33041**

**Symptom:** The stored procedures do not run correctly on the DB2 product when the **wtdbclear** command is issued.

**Resolution:** The **wtdbclear** command now successfully clears the database using the stored procedures without returning any errors.

**APAR: IY33187**

**Symptom:** Logfile adapters generate errors when the length of an event is greater than 4096 characters.

**Resolution:** The configuration file was modified to include the parameter `EventMaxSize=x` and events are sent to the event server. For events that contained 4096 characters or less, all event data was received at the event server. For events that contain more than 4096 characters the event data is truncated.

**APAR: IY33312**

**Symptom:** The **wstopesvr** process runs indefinitely and fails to stop other **tec\_\*** processes.

**Resolution:** The event server and all **tec\_\*** processes now stop with the **wstopesvr** command.

**APAR: IY33602**

**Symptom:** The **wtdbclear.pl** script loops when the number of events to delete is greater than or equal to the buffer size or the following attributes are specified:

`-e -t 0` (without `-s, -c, -r`) OR `-l -f -t 0`

**Resolution:** The **wtdbclear.pl** command successfully clears events as specified without returning any errors.

**APAR: IY34129**

**Symptom:** Events are not sent to the event server with the **tec\_gateway** process running in connection oriented mode when 3.7.1-TMF-0073 and 3.7.1-TMF-0075 are installed.

**Resolution:** All events are now successfully received at the event server after applying the listed patches and configuring connection oriented mode.

**APAR: IY34289**

**Symptom:** The **tec\_rule** process stops with a segmentation violation while the event server is initializing and then generates a core file if it is configured to forward events.

**Resolution:** Forwarding events no longer causes these problems.

**APAR: IY34596**

**Symptom:** The **tecad\_nt.exe** process generates a Dr. Watson error if the FMT file has a statement that does not begin with the characters `%s*`.

**Resolution:** `%x*` no longer produces Dr. Watson errors under these circumstances.

**APAR: IY34913**

**Symptom:** The **init.tecad\_logfile** script does not process the `-S` option for Tier 2 DEC systems.

**Resolution:** The `-S` option now operates as expected when used with the **init.tecad\_logfile** script.

**APAR: IY34968**

**Symptom:** Adapters reading from a file specified with the **LogSources** option cannot forward events that contain more than 300 characters per line.

**Resolution:** Configured an adapter to monitor a specified log file, receiving at least 100 lines of 300 or more characters per minute. Verified that all events were correctly received at the event server.

**APAR: IY35033**

**Symptom:** The list of available hosts in the Task Execution window incorrectly displays host names instead of endpoint names.

**Resolution:** The Current Hosts window now correctly displays the endpoints after selecting an event and choosing the Target Hosts tab from the Task Execution window.

**APAR: IY35278**

**Symptom:** The logfile adapter does not start if the FMT file contains the characters `s*` in a match statement.

**Resolution:** `s*` in FMT files no longer cause this problem.

**APAR: IY36144**

**Symptom:** The format specifier `%LENGTHs` does not parse correctly after upgrading from version 3.6.x.

**Resolution:** The format specifier `%LENGTHs` now parses as expected.

**APAR: IY36319**

**Symptom:** The TEC\_ADMIN environment variable containing an administrator name is created when the **TroubleTicket.sh** script is issued.

**Resolution:** The administrator name is no longer displayed.

**APAR: IY36572**

**Symptom:** The tec\_gateway process exhibits a memory leak.

**Resolution:** The tec\_gateway process does not exhibit unbounded memory usage.

**APAR: IY36686**

**Symptom:** The ServerLocation keyword in the tec\_gateway.conf file is ignored when the local event server stops if the keyword has a space after the specified event server.

**Resolution:** Events are now correctly received at the event server when the ServerLocation keyword contains a space after the event server.

**APAR: IY37000**

**Symptom:** Events are discarded when the Event Integration Facility (EIF) receives null attribute values.

**Resolution:** Events are now received at the event server with null attributes.

**APAR: IY37027**

**Symptom:** Strings enclosed with double quotation marks do not parse correctly with Java EIF.

**Resolution:** The event server now receives events correctly with double quotes.

**APAR: IY37051**

**Symptom:** Adapters do not send events to the event server when located in a separate, non-interconnected Tivoli management region (Tivoli region)

**Resolution:** Now all events are received at the event server.

**APAR: IY37190**

**Symptom:** The Windows adapter utilizes 100% of the processor while processing large log files. (for example, 100MB)

**Resolution:** Large files now longer consume excessive system resources.

**APAR: IY37400**

**Symptom:** Events are cached on the gateway when sending events from an endpoint to the event server using the endpoint **wpostemsg** command.

**Resolution:** Events are now sent if the server is up and not cached on the gateway.

**APAR: IY37675**

**Symptom:** The tec\_dispatch process stops receiving events when the locale is set to Danish.

**Resolution:** Events are now correctly processed by the event server when the locale was set to Danish.

**APAR: IY37768**

**Symptom:** The tec\_gateway process stops sending events to the event server after processing the contents of a full tec\_gateway.cache file that has loaded data from the endpoint cache.

**Resolution:** Events are now properly cached at the gateway while the event server was stopped. Once the event server is restarted the cache is emptied as expected, and the gateway continues to handle incoming events.

**APAR: IY38116**

**Symptom:** When reception logging is disabled the event server fails to process events.

**Resolution:** The event server correctly receives events when reception logging is disabled.

**APAR: IY38723**

**Symptom:** The DISPLAY environment variable is not properly set for the **TroubleTicket.sh** script.

**Resolution:** The DISPLAY environment variable is now properly set using the **env** command when the UNIX xterm window is displayed on the local system.

**APAR: IY39825**

**Symptom:** The Current Hosts listing in the Task Execution window should list the endpoint names rather than the host names.

**Resolution:** Under the Current Hosts list the endpoint system is now correctly displayed.

**APAR: IY40557**



**Symptom:** Extended event attributes are not available in the **TroubleTicket.sh** script even though they are listed in the SLOTS environment variable.

**Resolution:** The extended information is now correctly listed after redirecting the SLOTS environment variable output to a file.

**APAR: IY40864**

**Symptom:** Changes to the event console properties do not appear when the operator activates the event viewer.

**Resolution:** All columns added, removed, or reordered in the event viewer now persist after restarting the console.

**Note:** This fix only applies when creating a new event console and not to event console migrations.

**APAR: IY40903**

**Symptom:** Running the **wmigcon** command generates a Java exception when upgrading from IBM Tivoli Enterprise Console Version 3.6.2 to IBM Tivoli Enterprise Console Version 3.8.

**Resolution:** The **wmigcon** command now runs correctly without generating any Java exceptions.

**APAR: IY41207**

**Symptom:** The event server fails to obtain a port to receive events.

**Resolution:** The event server now obtains a port and successfully receives events.

## Known problems and limitations

(IY71659)

**Limitation:** The format specifier `%s*` will match leading white spaces when the specifier immediately follows a constant or literal value. For example, the format defined below will match any of the three messages illustrated.

Format:

```
//leading white space matched by %s*
FORMAT NT_Base_Test
before company%s* after
slot1 $1
END
```

Messages matched:

```
before companythis is test message after
before company this is test message after
before company  this is test message after
```

The first message is expected to match per the definition of the `%s*` format specifier in the *IBM Tivoli Enterprise Console Version 3.8 Adapters Guide*. The second and third examples however, will also match.

**Solution:** To prevent undesired messages from matching, modify the format such that the `%s*` specifier does not immediately follow a constant or literal value. For example:

Format:

```
//white space matched
FORMAT NT_Base_Test
before company %s*after
slot1 $1
END
```

Message matched:

```
before company this is test message after
```

Note the white space between the words “company” and “this” is taken into consideration before the use of the `%s*` specifier. This will ensure that only a single space will be matched.

**Problem:** Some DBCS strings are not converted properly. Defects 174338 and 174729 have been opened to address these issues with the conversion libraries.

**Workaround:** Put the DBCS text within double quotation marks (") and add a space immediately before the closing double quotation mark.

**Problem:** Framework 3.7.1 does not support DB2 8.x client RIM hosts on Solaris.

**Workaround:** Upgrade to Framework 4.1.1 (preferred solution) --OR-- use an older DB2 client (DB2 7.1 or DB2 7.2) if you must stay at TMF version 3.7.1. This is a permanent limitation for Solaris RIM hosts on Framework 3.7.1.

**Problem:** The Tivoli Enterprise Console event console cannot be launched on Red Hat 2.1 after installing the driver.

**Workaround:** Add the following line to /etc/pam.d/oserv:

```
account      required      /lib/security/pam_unix.so
```

## Documentation updates

### APAR: IY31847

The following information has been added to the *IBM Tivoli Enterprise Console Adapters Guide* in the section documenting the Configuration file in Chapter 10, "UNIX logfile adapter."

The NewLogBasedOn keyword specifies whether a log file should be treated as new when the time stamp of the file changes but the size remains the same. When a file is treated as new, the adapter re-sends every event contained in the file. This keyword is optional. If NewLogBasedOn is not specified, an existing log file is treated as new only if its size decreases. The possible values are as follows:

#### **ctime | CTIME**

The file is treated as new if the creation time stamp changes.

#### **mtime | MTIME**

The file is treated as new if the modification time stamp changes.

#### **ctime | CMTIME**

The file is treated as new if the creation or modification time stamp changes.

Example:

```
NewLogBasedOn=ctime
```

### APAR: IY40095

Locale characters entered into the console login pop-up window using NLS keyboard mappings are not accepted.

This problem is fixed by using only alphanumeric characters to create the operating system user account.

### APAR: IY40180

The following information has been incorporated into the *IBM Tivoli Enterprise Console User's Guide* in the section documenting Problems with the tec\_gateway program in Appendix A, "Troubleshooting."

Standard tracing is now available for the tec\_gateway process and can be configured using the .tec\_gateway\_diag\_config file. The file is located in the following directory: \$BINDIR/./generic\_unix/TME/ACF\_REP/.tec\_gateway\_diag\_config

The format of the gateway configuration file is similar to the .tec\_diag\_config and .ui\_server\_config files.

The following example shows the default settings for the .tec\_gateway\_diag\_config file:

```
Highest_level          error
Truncate_on_restart   true

# tec_gateway
#####

tec_gateway Highest_level          error
tec_gateway GW_Send      error      /tmp/tec_gateway
```

The tracing levels from lowest to highest, are:

error, warning, trace0, trace1, trace2.

Tracing should either be disabled or set at the error level unless full tracing is required to debug a problem. The Highest\_Level and tec\_gateway Highest\_Level lines set the highest trace level possible for the sections that follow. The most verbose tracing level is trace2.

The Truncate\_on\_restart variable determines if the trace files are truncated to zero bytes when the tec\_gateway process starts up. Currently, Gw\_Send is the only module available for gateway tracing.

To set tracing for the gateway complete the following steps:

1. Install or change the .tec\_gateway\_diag\_config file to set tracing and then copy the file to the following location:  
UNIX systems: /etc/Tivoli/tec/.tec\_gateway\_config  
Windows systems: %SYSTEMROOT%\system32\drivers\etc\Tivoli\.tec\_gateway\_config
2. Stop the gateway by running the **wstopcwgw** command and restart the gateway. The gateway configuration file can be read by the tec\_gateway process after the gateway is restarted.

#### **APAR: IY41395**

The *IBM Tivoli Enterprise Console Adapters Guide* was incorrect in stating that an administrator account with Senior or above privilege must be created to start an adapter. In the section about the configuration of the Windows adapter, it states the User Login Name and Group Login Name fields can be left blank. This is also incorrect. When these fields are blank it is not possible to use the Tivoli region role or Login window.

#### **APAR: IY42463**

The correct interface can be bound based on the wlocalhost setting. The Java Client Framework (JCF) looks for the wlocalhost setting in the following order:

1. The JCF looks for the wlocalhost setting passed in as a system property by way of the console launch script. For example, append the following to the PROPERTIES=<line> in the tec\_console launch script:  
-DWLOCALHOST=test1.austin.ibm.com

If there are other system properties already listed add the -DWLOCALHOST= line and make sure the entire list of properties is enclosed in double quotation marks ("). Note that on Windows systems the list of properties does not need to be enclosed in double quotation marks.

UNIX systems example:

```
PROPERTIES="<line> -DWLOCALHOST=test1.austin.ibm.com"
```

Windows systems example:

```
PROPERTIES=-DINTERP=${INTERP} -DDISPLAY=${DISPLAY} -  
DWLOCALHOST=test1.austin.ibm.com
```

**Note:** On Windows systems the console launch script is the tec\_console.cmd file.

2. Look for ETCWLOCALHOST passed in as a system property by way of the console launch script. ETCWLOCALHOST gives the name and location of the file where the interface hostname or IP address is stored.

UNIX example:

```
PROPERTIES="<line> ETCWLOCALHOST=/etc/techost"
```

Windows example:

```
PROPERTIES=<line> ETCWLOCALHOST=/etc/techost
```

where techost is a file containing the fully qualified hostname or IP address of the interface to be bound to.

3. If none of the above are passed in the JCF looks in the /etc/wlocalhost default file, which should contain the fully qualified hostname or IP address of the interface to be bound to.
4. Finally, if the previous three list items do not apply, the JCF calls getLocalHost() which uses the default interface.

The system properties must be used as described above to bind to the correct interface. On Windows systems the value of **wlocalhost** is stored in the registry and the value can be obtained from the registry by running the **wlocalhost** command from the command line and then passing it as the value using one of the methods outlined above.

### APAR: IY42977

The IBM Tivoli Enterprise Console server stops processing events for a period of time when it is receiving events and a network disconnection occurs. The `tec_reception` process can block indefinitely while receiving events from the network if there are connection problems. The reception logic was changed to incorporate a configurable timeout for reception of events when there are network problems. The new `tec_rcv_timeout` configuration parameter was added to the `.tec_config` file. This parameter specifies the length of time in seconds before the `tec_reception` process drops the connection, allowing the agent to reconnect and send events. An example usage is:

```
tec_rcv_timeout=10
```

### APAR: IY43428

The Oracle server must be set up to use operating system authentication. An Oracle database can be configured to be authenticated by the Oracle server or by the operating system. Complete the following steps to configure an Oracle database to allow the operating system to authenticate users:

1. Check the `$ORACLE_HOME/network/admin/sqlnet.ora` file. The file should contain the following line:  
`SQLNET.AUTHENTICATION_SERVICES= (NTS)`

When connecting to a remote Oracle database the `sqlnet.ora` file on the client and on the Oracle server must be configured in the same way. When connecting from a client additional Oracle database configuration values must be set for external authentication.

2. Launch the Oracle Enterprise Manager Console in stand alone mode.
3. In your Oracle database create a user to be authenticated by the operating system. The Oracle Enterprise Console is used to manage an Oracle instance, which includes the creation of users. The following name should be used for the user.

UNIX systems:

```
OPSS<operating system ID>
```

For example, if the operating system ID is `systemid` the Oracle ID must be `OPSSsystemid`.

Windows systems:

```
OPSS<machine or domain name>\<operating system ID>
```

For example, for a local administrator the Oracle ID might be:

```
OPSSKIZER04\ADMINISTRATOR
```

The user must be specified for external authentication.

**Note:** The prefix can be changed in Oracle from the default `OPSS`. The prefix can even be blank. Use the `os_authent_prefix` configuration parameter to change the prefix.

4. When installing the IBM Tivoli Enterprise Console database the user must operate as the `SYSDBA`. The user must also be in the following user group where `group` represents the name of the user group:

UNIX systems: `dba group`

Windows systems: `ORA_DBA group`

After completing the steps above log in to the Oracle database without specifying the user ID and password. Oracle systems use the current user that is logged into the operating system. To connect to the Oracle database enter:

```
sqlplus "/@SID as sysdba"
```

where `SID` is the ID of the Oracle database such as `TEC`.

When in `SQL*Plus` the `show user` command can be used to show the current user that is logged into the Oracle database. If logged in as the `SYSDBA` running the `show user` command returns: `SYS`.

You can also log on as the user by typing:

```
sqlplus "/@SID"
```

The `show user` command displays the `OPSS` user in Oracle.

**APAR: IY45458**

After rebooting the system, the lcfcd daemon starts with an incorrect environment variable setting and event data is not readable. The problem is fixed by changing the `lcfcd.sh` and `init.tecad_logfile.sh` scripts to include the following line at the beginning of each file:

```
unset LC_MESSAGES
```

**APAR: IY47508**

In the *IBM Tivoli Enterprise Console Rule Developer's Guide* section documenting the Profiling a rule set in Chapter 6, "Testing, tracing, and profiling rules" contained incorrect information about the location of the rule base profile report file. The rule base profile report file is located in the `/tmp` directory, not the `$DBDIR/tec` directory.

**APAR: IY48228**

The `tec_disable_exponential_format` configuration parameter was added to the `.tec_config` file. This parameter allows real numbers to be formatted in either exponential or floating point format. The following example allows real numbers to be formatted in floating point format only:

```
tec_disable_exponential_format=yes
```

**APAR: IY48347**

BAROC reserved words cannot be used in slots. This information is now documented in the IBM Tivoli Enterprise Console documentation library.

When parsing a new event by the rule engine, if the rule engine locates a BAROC reserved word used by itself in a slot the rule engine fails with a `PARSING_FAILED` error. In the BAROC syntax the following reserved words cannot be assigned to any `STRING` type slot value:

```
DEBUG
DEFINES
END
ENUMERATION
INT32
INTEGER
ISA
I_NAME
LIST_OF
POINTER
REAL
REFERS_TO
SELF, SINGLE
STRING
default
dup_detect
parse
print_ref
reverse
self_classname
```

**APAR: IY48565**

The `-imptgtdata` option of the `wrb` command in the 3.8 version of the *IBM Tivoli Enterprise Console Reference Manual*, on page 77, has been updated as follows:

```
-imptgtdata data_file target rule_base
```

This imports a supporting data file into a rule base target. This file must already exist in the `TEC_RULES` subdirectory. It is distributed with the rule base. For example, the following files can be imported:

```
Event Integration Facility configuration file
Prolog fact file
Prolog data file
```

```
data_file
```

Specifies the name of the file to be imported to the named rule base target. Specify the file name, not the path. The file must already exist in the `TEC_RULES` subdirectory.

```
target
```

Specifies the name of the rule base target that receives the imported data file.

rule\_base

Specifies the name of the rule base that contains the target.

**APAR: IY49070**

The following information has been added to the *IBM Tivoli Enterprise Console Rule Developer's Guide* in the section documenting the Directives in Chapter 4, "Rule language reference."

The directive profile

Enables profiling of rule function. With this directive detailed information can be obtained in report form about the function of each rule action being profiled. The detailed information is accurate for single rule actions only. The profile directive can be placed at the beginning of a rule set or within individual rules. An entire rule base can be profiled with the **wrb -comprules -profile** command. Profiling is not enabled by default. See Profiling Rules and Profile Granularity below for more information.

Profiling rules

Profiling generates a report that contains rule action execution information. Single rules actions can be profiled. A report contains the following information for the rule action being profiled:

- The amount of time (in seconds) spent by the rule action to process the last event that triggered the rule
- The number of events processed by the rule action
- The amount of time (in seconds) all events spent in the rule action for processing
- The throughput of events for the rule action expressed as the number of events per second

**Notes:**

The commit\_rule(), commit\_action(), and commit\_set() language predicates should not be used when profiling a rule action. Profiling should be disabled when a rule base is compiled for the production environment because it uses system resources.

The following figure shows an example of a profile report with one rule profiled:

```

=====
                        Timing Summary
-----
test_ri1:
Time for last Event: 7.000000000000001e-02
Event Count:      2
Total Time:      4.799999999999998e-01
Events per second: 4.166666666666669e+00
-----
=====

```

To profile rules compile the rule base with profiling enabled. This can be done from the command line with the **wrb -comprules -profile** command or with the profile directive specified in a rule set or rule.

After recompiling the rule base with profiling enabled, stop and restart the event server to begin the profiling. The profile report is appended to the \$DBDIR/tec/profile file when the event server is shut down. Because a profile report is always appended to the same file it can become quite large if never deleted or entries are not deleted within it. Periodic checks are recommended.

Profile Granularity

The following levels of granularity are supported for rule profiling:

**Note:**

The information report is accurate in profiling a single action within a rule. Setting the profile directive for multiple rules and action will not produce accurate information.

All rules within a rule base are profiled when profiling is enabled by the following **wrb** command:

**wrb -comprules -profile.**

Rule set

A rule set is profiled by inserting a profile directive into the rule set at the top before the first rule. For example:

```
directive:profile %Start profiling.
rule:rule1:(
...
). %End rule1.
rule:rule2:(
...
). %End rule2.
rule:rule3:(
...
). %End rule3.
%End rule set.
%End profiling.
```

**Rule**

A particular rule is profiled by inserting a profile directive into the rule before the event filter for the rule.

```
rule:test_rule:(
directive:profile,
event:_evt of_class within [?NT_NAV ?]where [],
reception_action:action0:(
drop_received_event
)
).
```

**APAR: IY50376**

The following information has been added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the Configuration parameters appendix.

The following keywords can be configured in the .tec\_config file:

tec_rule_password	Specifies the password that the rule engine uses to validate commands sent by client connections.
tec_rule_mport_enable_level	Specifies which management port commands are enabled: < 0 - No management port at all 0 - Enabled cmds: ping and hangup 1 - Enabled cmds: Level 0 commands plus stop, dumpReceptionLog, reloadRuleBase, getCacheContents, and streamRulesTrace 2 - Enabled cmds: Level 1 commands plus cannedQuery 3 - Enabled cmds: Level 2 commands plus query and reloadPredicates

**APAR: IY50458**

Information in the *IBM Tivoli Enterprise Console Version 3.8 Release Notes* in the section dealing with Changes to the first\_instance and all\_instances predicates now includes the following:

The first\_instance() and all\_instances() predicates now validate that each attribute referenced in an attribute filter has been defined in one of the classes listed in the class filter. To filter on an attribute the attribute must be defined in the class that causes the rule to run or in a super class that the class inherits from.

**APAR: IY50866**

*IBM Tivoli Enterprise Console Version 3.8 Rule Builder's Guide* updated, page 212:

**BufferFlushRate**

The BufferFlushRate parameter must not be defined in the event forwarding configuration file or within the rule base nor set to 0. The re\_send\_event\_conf() predicate uses the enhanced version of the EIF library introduced with IBM Tivoli Enterprise Console Version 3.8. The enhanced EIF library first caches the event and then a separate thread empties the cache, thus the cache is always used even with an active connection.

**APAR: IY51371**

The following information should be used with the *IBM Tivoli Enterprise Console Version 3.8 Release Notes* in the section dealing with Non-English data in filters in adapter configuration files.

## Non-English Data in Filters in Adapter Configuration Files

To use UTF-8 in event data

- Customize both format file and configuration file in local encoding (for example SJIS).
- Generate CDS file using logfile\_gencds for UNIX (win\_gencds.exe for Windows).
- Convert configuration file, format file, and CDS file to UTF-8 encoding if any DBCS characters are used.
- Ensure the UTF-8 converted format file is copied to the /etc/C directory.
- Start the adapter in UTF-8 locale

**Note:** To monitor event data in UTF-8 encoding the adapter's configuration file, format file and CDS file must all be set to UTF-8 encoding.

### **APAR: IY51877**

The following general information has been added to the *IBM Tivoli Enterprise Console Rule Developer's Guide* in the sections dealing with the `tec_compile`, `tec_consult`, and `tec_reconsult` predicates

The `tec_compile()`, `tec_consult()`, and `tec_reconsult()` predicates can be used in the same way that the `compile()`, `consult()`, and `reconsult()` predicates are currently used. Note that the `tec_compile()`, `tec_consult()`, and `tec_reconsult()` predicates do not require the user to set the `BIM_PROLOG_DIR` environment variable.

### **APAR: IY52078**

The following information has been added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the sections dealing with the `wsetesvrcfg` command

Any installation parameters specified in the `.tec_config` file are ignored if they are set using the `wsetesvrcfg` command.

### **APAR: IY53943**

The following information has been added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the section documenting the `waddac` command under Options:

#### **-p** *prefilter*

Defines a PreFilter to be placed in the adapter configuration record for the Windows and NetWare adapters. The log specification must be defined and optionally, the EventID, the EventType, and the Source specifications. The prefilter string must be in the following form:

```
Attribute=Value ;[Attribute=Value ;Attribute=Value ;...]
```

The entire string must be enclosed in single quotation marks (') to prevent the command-line interpreter from reacting to the semicolons.

To define a prefilter that is initially in the disabled state, prefix the prefilter string with `#reFilter:.` Enabled prefilters can optionally be prefixed with `PreFilter:.` For example, the following command adds a single, disabled prefilter record to the profile named `winProf`.

```
waddac -p '#reFilter:Log=Application;'tecad_win winProf
```

Many **-p** options can be provided.

The following information should be added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the section documenting the `wsetac` command under Options:

#### **-p** *prefilter*

Defines a prefilter to be placed in the adapter configuration record for the Windows and the NetWare adapters. The log specification must be defined and optionally, the EventId, the EventType, and the Source specifications. The prefilter string must be in the following form:

```
Attribute=Value ;[Attribute=Value ;Attribute=Value ;...]
```

The entire string must be enclosed in single quotation marks (') to prevent the command-line interpreter from reacting to the semicolons. To create a prefilter that is initially in the disabled state, prefix the prefilter string with `#reFilter:.` Enabled prefilters can optionally be prefixed with `PreFilter:.` For example, the following command appends a single, disabled prefilter to the entry with key 12 of the profile named `winProf`.



```
wsetac -p '#reFilter:Log=Application;'12 winProf
```

Many **-p** options can be provided.

The following information should be added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the section documenting the **wsetaddflt** command under Options:

**-p prefilter**

Defines an event prefilter to be used as the default value for the specified adapter type for the Windows and NetWare adapters. The log specification must be defined and optionally, the EventId, the EventType, and the Source specifications. The prefilter string must be in the following form:

```
Attribute=Value ;[Attribute=Value ;Attribute=Value ;...]
```

The entire string must be enclosed in single quotation marks (') to prevent the command-line interpreter from reacting to the semicolons. To create a prefilter that is initially in the disabled state, prefix the string with **#reFilter:**. Enabled prefilters can optionally be prefixed with **PreFilter:**. For example, the following command appends a disabled prefilter to the list of default filter statements for the adapter type `tecad_win`:

```
wsetaddflt -a -p '#reFilter:Log=Application;'tecad_win
```

Many **-p** options can be provided.

**APAR: IY54505**

The following information has been added to the *IBM Tivoli Event Integration Facility Reference* in the section documenting how to program the adapter in Chapter 4, "Building an adapter":

When building a TME adapter using the Tivoli Application Development Environment, be aware that the `tec_create_handle` API calls the `tis_set_def_cs` function, which sets the default code set for other `tis` calls. When building a non-TME adapter the locale is set independently of the Event Integration Facility and calling the `tec_create_handle` API does not change the locale.

**APAR: IY54892**

The **wsetemsg** command description in the *Tivoli Enterprise Console Command and Task Reference* now includes a new option for attribute values being changed. With the new **-e encoding** option values are converted from the given code set to UTF8. If this option is not specified values are assumed to be in UTF8 format.

Update to the usage statement:

```
wsetemsg [-t status] [-f] [-r severity] [-e encoding] [attribute=value...] console event_ID
```

**-e encoding** specifies the character encoding for attribute values being changed. If this option is not specified, values are assumed to be in UTF8 format. With this option values are converted from the given code set to UTF8. For more information on the encoding sets see the section on Code set files included in Chapter 2 "Internationalization" in the *IBM Tivoli Enterprise Installation Guide*.

**APAR: IY55329**

The following information has been added to the *IBM Tivoli Enterprise Console Installation Guide* for silent installation of the Windows enhanced logfile adapters.

Use the following procedure to perform a silent installation:

- Edit the `InstallWin/SETUP.ISS` (Windows) response file, which provides installation information that the installer would typically query a user for during the installation.

If installing the adapter without an adapter ID, edit the following lines in the `SETUP.ISS` file as necessary:

Default Setting	Change
[AskDestPath-0 ] szPath=C:\TECWIN (Windows 2000)	TECWIN to the destination directory if necessary
[AskText-0 ] szText=localhost	localhost to the name of the host where events are to be delivered
[AskText-1 ] szText=0	0 to the port number where the server has been configured to listen for events

If installing the adapter with an adapter ID, edit the following lines in the SETUP.ISS file as necessary:

Default Setting	Change
[AskDestPath-0 ] szPath=C:\TECWIN (Windows 2000)	TECWIN to the destination directory if necessary
[AskText-0 ] szText=localhost	localhost to the name of the host where events are to be delivered
[AskText-1 ] szText=0	0 to the port number where the server has been configured to listen for events
[DlgOrder] Dlg0=Welcome-0 Dlg1=AskDestPath-0 Dlg2=AskOptions-0 Dlg3=AskText-0 Dlg4=AskText-1 Dlg5=AskYesNo-0 Dlg6=MessageBox-0 Count=7	<ol style="list-style-type: none"> <li>1. Add a new Dlg3</li> <li>2. Change the Count value to 8</li> <li>3. Renumber the other Dlg values as follows:</li> </ol> [DlgOrder] Dlg0=Welcome-0 Dlg1=AskDestPath-0 Dlg2=AskOptions-0 Dlg3=AskText-0 Dlg4=AskText-1 Dlg5=AskText-2 Dlg6=AskYesNo-0 Dlg7=MessageBox-0 Count=8
[AskOptions-0] Result=1 Sel-0=1 Sel-1=0	<ul style="list-style-type: none"> <li>• The Sel values as follows:</li> </ul> Sel-0=0 Sel-1=1
None	Add the following lines after the AskOptions-0 block and change the <i>myid</i> value to the identifier name that is desired to use for the adapter: [AskText-0] szText=myid Result=1
[AskText-0 ] szText=localhost	<ul style="list-style-type: none"> <li>• AskText-0 to AskText-1</li> <li>• The localhost to the name of the system where events are to be delivered</li> </ul>
[AskText-1 ] szText=0	<ul style="list-style-type: none"> <li>• AskText-1 to AskText-2</li> <li>• If not using the port mapper functions, change 0 to the port number where the server is configured to listen for events.</li> </ul>

- Issue the following command in the InstallWin (Windows) directory to silently install the adapter:  
setup /s

For more information about InstallShield and the SETUP.ISS file, go to <http://www.installshield.com>.

- Verify that the configuration file for the adapter is properly configured for the operational environment. The configuration options are described in Chapter 11, “Windows event log adapter,” on page 169.

**Note:** The non-TME adapters dynamically resolve the protocol address for the event server if the protocol address changed after the adapter started. In this instance, restarting the adapter is not required.

#### APAR: IY55820

The following information has been added to the *IBM Tivoli Enterprise Console Rule Developer's Guide* in the Internal table management section of Chapter 3, “Rule engine concepts”:

At run time the rule engine manages global variables and Prolog facts as an internal table in memory. This table is automatically managed in order to accommodate the necessary data. However, in some circumstances the preferences that control how this table is managed might need to be adjusted.

When more space is needed for additional data the rule engine uses a combination of garbage collection (removal of obsolete strings) and table expansion to make room. A configurable expansion preference parameter controls how much this memory management should rely on garbage collection and how much it should rely on expansion. By default, the expansion preference is set to 0, which indicates a maximum preference for garbage collection. This minimizes memory consumption by reusing existing table space whenever possible. This parameter can be set to any value from 0 (maximum preference for garbage collection) to 100 (maximum preference for expansion).

Under some circumstances, this preference may need to be changed from the default value:

- To increase execution speed by reducing the reliance on garbage collection. However, this approach should be used with caution. Continual expansion causes higher memory consumption and can lead to increased swapping, which actually results in decreased performance.
- If using large fact files or global files, and the table overflows because it is not possible to reclaim sufficient space using garbage collection. When this happens, the rule engine exits with an exit code of 82; if error logging is configured with the `tell_err` predicate the log file contains the following message:

```
***OVERFLOW 710 ***String table overflow (Fatal)
```

To change the expansion preference use a rule similar to:

```
rule:table_change:
(
event:_event_of_class 'TEC_Start ',
reception_action:change_expansion_preference:
(
table('T ',e100)
)
).
```

This example sets the expansion preference to 100 (maximum preference for expansion). To specify a different value replace 100 with any value from 0 to 100.

To ensure that the expansion preference is set before any other files are loaded make sure this rule is the first rule in the rule base.

### **APAR: IY58303**

The following is an addendum to the Format Specifications section of Appendix C of the *IBM Tivoli Enterprise Console 3.8 Adapters Guide*.

If the `%s*` component specifier is used in an adapter format file white space preceding and following the `%s*` component specifier is considered by the adapters when matching messages. For example, consider the following format specification:

```
FORMAT Test
%s* [x]  %s*
END
```

To match a message to this format specification white space must occur directly after `[x]` in the log message and there must be no white space between `[x]` and the constant immediately preceding it in the message. Until 3.8.0-TEC-FP02, messages that had no white space following `[x]` were incorrectly matched by the adapters. Messages that had white space between `[x]` and the constant immediately preceding `[x]` were also incorrectly matched by the adapters. These behaviors were contrary to the documentation contained in the *IBM Tivoli Enterprise Console 3.8 Adapters Guide*.

The problems were resolved in 3.8.0-Tivoli Enterprise Console-FP02 and the resolution has been carried forward into all later 3.8.0-Tivoli Enterprise Console fix packs.

Any white space preceding the first non-white space character in a message is ignored by the adapters.

### **APAR: IY65212**

The following text has been altered in the "Chapter 2. Event Class Concepts" section of the *IBM Tivoli Enterprise Console Rule Builders Guide*. Under the "Attribute Data Types" section within the "simple\_type" subsection the INTEGER type should be altered to have a note specified below it as follows:

```
INTEGER
A 29-bit integer value.
NOTE:
if specified with a leading "0", the value is treated as Octal.
if specified with a leading "0x" or "0X", the value is treated as Hexidecimal.
```

## **Changing the settings for UTF8 encoding on Oracle systems**

The IBM Tivoli Enterprise Console product uses UTF8 encoding for data exchanged with an Oracle server. The Tivoli server environment must be changed to incorporate the correct settings for UTF8 encoding.

A user with permissions to change the Tivoli environment settings must complete the following steps:

1. Source the Tivoli environment:
  - On a UNIX system: from the command line run the following script:  
`/etc/Tivoli/setup_env.sh`
  - On a Windows system: from the command line, run the following script:  
`%SystemRoot%\WINNT\system32\drivers\etc\Tivoli\setup_env.cmd`
2. To save the Tivoli environment settings to the tempfile run the following command:  
`odadmin environ get > tempfile`
3. Edit the tempfile to incorporate the following parameter:  
`NLS LANG=language_territory.AL32UTF8`  
  
where *language* and *territory* vary depending on your Oracle client.
4. To import the new Tivoli settings run the following command:  
`odadmin environ set < tempfile`
5. Restart the server by running the following command:  
`odadmin reexec all`

**Note:** On UNIX systems the absence of the LANG setting in the tempfile might cause the **odadmin environ set** command to fail. Refer to the *Tivoli Management Framework Enterprise Installation Guide* for information about the values for this setting.

Refer to the Oracle9i Database Globalization Support Guide (available from Oracle technical support) to select the appropriate settings for the language and territory parameters. For example, the correct US English language setting is `AMERICAN_AMERICA.AL32UTF8`, and the correct Japanese language setting is `JAPANESE_JAPAN.AL32UTF8`.

#### **APAR: IY39348**

The following information should be added to the *IBM Tivoli Enterprise Console Command and Task Reference* in the section describing the **wrb** command in Chapter 1, “Commands”:

```
-imprbclass class_file [-encoding encoding] [-before class_file |  
-after class_file] [-force]  
rule_base
```

Imports a file of event class specifications (a BAROC file) into a rule base appending it to the end of the class specifications unless otherwise specified with arguments. An error message is displayed if the class set file contains syntax errors, references to nonexistent event classes or enumerations, or if duplicate event classes or enumerations are defined. If the classes in a class file are derived from classes in another file, first import the class file that the classes are derived from into the rule base before importing the class file that contains them. For example, if the B.baroc class file contains classes that are derived from the A.baroc class file, the A.baroc class file must be imported first.

*class\_file*

Specifies the name of the class file to import. This must be a path to a BAROC file.

*rule\_base*

Specifies the name of the rule base that receives the imported class set.

**-after** *class\_file*

Specifies the class file that should be after the imported class file.

**-before** *class\_file*

Specifies the class file that should be before the imported class file.

**-encoding** *encoding*

Specifies the character encoding for a class file. When this option is specified the class file is opened in the specified character encoding. The default character encoding is UTF-8. For more information on the encoding sets see **List of basic encoding sets for the encoding option** later on in this section.

**-force**

Imports a class file even if it might cause rule base inconsistency.

**-imprbrule** *rule\_file* [**-encoding** *encoding*] [**-force**] *rule\_base*

Imports a rule set file into the rule base. The order that rules are imported into the rule base is not important because rule sets that are imported into the rule base must be imported into a rule base target before they can be run. The order in which rule sets are imported into a rule base target specifies the order in which a particular rule engine runs the rules. An error message is displayed if the rule being imported references an event class that does not exist. Skip this consistency checking by using the **-force** argument.

*rule\_base*

Specifies the name of the rule base to receive the imported rule set file.

*rule\_file*

Specifies the name of the rule set file to import into the rule base. This must be a path to an RLS file.

**-encoding** *encoding*

Specifies the character encoding for a rule set file. When this option is specified, the rule set file is opened in the specified character encoding. The default character encoding is UTF-8. For more information on the encoding sets see **List of basic encoding sets for the *encoding* option** later on in this section.

**-force**

Adds the rule set to the rule base even if a rule references an event class that does not exist.

### List of basic encoding sets for the *encoding* option

Big5	Big5, Traditional Chinese
Big5_HKSCS	Big5 with Hong Kong extensions, Traditional Chinese
Cp037	USA, Canada (Bilingual, French), Netherlands, Portugal, Brazil, Australia
Cp273	IBM Austria, Germany
Cp277	IBM Denmark, Norway
Cp278	IBM Finland, Sweden
Cp280	IBM Italy
Cp284	IBM Catalan/Spain, Spanish Latin America
Cp285	IBM United Kingdom, Ireland
Cp297	IBM France
Cp420	IBM Arabic
Cp424	IBM Hebrew
Cp437	MS-DOS United States, Australia, New Zealand, South Africa
Cp500	EBCDIC 500V1
Cp737	PC Greek
Cp775	PC Baltic
Cp838	IBM Thailand extended SBCS
Cp850	MS-DOS Latin-1
Cp852	MS-DOS Latin-2
Cp855	IBM Cyrillic
Cp856	IBM Hebrew
Cp857	IBM Turkish
Cp858	Variant of Cp850 with Euro character
Cp860	MS-DOS Portuguese
Cp861	MS-DOS Icelandic
Cp862	PC Hebrew
Cp863	MS-DOS Canadian French
Cp864	PC Arabic
Cp865	MS-DOS Nordic
Cp866	MS-DOS Russian
Cp868	MS-DOS Pakistan
Cp869	IBM Modern Greek
Cp870	IBM Multilingual Latin-2

Cp871	IBM Iceland
Cp874	IBM Thai
Cp875	IBM Greek
Cp918	IBM Pakistan (Urdu)
Cp921	IBM Latvia, Lithuania (AIX, DOS)
Cp922	IBM Estonia (AIX, DOS)
Cp930	Japanese Katakana-Kanji mixed with 4370 UDC, superset of 5026
Cp933	Korean Mixed with 1880 UDC, superset of 5029
Cp935	Simplified Chinese Host mixed with 1880 UDC, superset of 5031
Cp937	Traditional Chinese Host mixed with 6204 UDC, superset of 5033
Cp939	Japanese Latin Kanji mixed with 4370 UDC, superset of 5035
Cp942	IBM OS/2 Japanese, superset of Cp932
Cp942C	Variant of Cp942
Cp943	IBM OS/2 Japanese, superset of Cp932 and Shift-JIS
Cp943C	Variant of Cp943
Cp948	OS/2 Chinese (Taiwan) superset of 938
Cp949	PC Korean
Cp949C	Variant of Cp949
Cp950	PC Chinese (Hong Kong, Taiwan)
Cp964	AIX Chinese (Taiwan)
Cp970	AIX Korean
Cp1006	IBM AIX Pakistan (Urdu)
Cp1025	IBM Multilingual Cyrillic: Bulgaria, Bosnia, Herzegovina, Macedonia (FYR)
Cp1026	IBM Latin-5, Turkey
Cp1046	IBM Arabic - Windows
Cp1097	IBM Iran (Farsi)/Persian
Cp1098	IBM Iran (Farsi)/Persian (PC)
Cp1112	IBM Latvia, Lithuania
Cp1122	IBM Estonia
Cp1123	IBM Ukraine
Cp1124	IBM AIX Ukraine
Cp1140	Variant of Cp037 with Euro character
Cp1141	Variant of Cp273 with Euro character
Cp1142	Variant of Cp277 with Euro character
Cp1143	Variant of Cp278 with Euro character
Cp1144	Variant of Cp280 with Euro character
Cp1145	Variant of Cp284 with Euro character
Cp1146	Variant of Cp285 with Euro character
Cp1147	Variant of Cp297 with Euro character
Cp1148	Variant of Cp500 with Euro character
Cp1149	Variant of Cp871 with Euro character
Cp1250	Windows Eastern European
Cp1251	Windows Cyrillic
Cp1253	Windows Greek
Cp1254	Windows Turkish
Cp1255	Windows Hebrew
Cp1256	Windows Arabic
Cp1257	Windows Baltic
Cp1258	Windows Vietnamese
Cp1381	IBM OS/2, DOS People's Republic of China (PRC)
Cp1383	IBM AIX People's Republic of China (PRC)
Cp33722	IBM-eucJP - Japanese (superset of 5050)
EUC_CN	GB2312, EUC encoding, Simplified Chinese

EUC_JP	JIS X 0201, 0208, 0212, EUC encoding, Japanese
EUC_JP_LINUX	JIS X 0201, 0208, EUC encoding, Japanese
EUC_KR	KS C 5601, EUC encoding, Korean
EUC_TW	CNS11643 (Plane 1-3), EUC encoding, Traditional Chinese
GBK GBK	Simplified Chinese
ISO2022CN	ISO 2022 CN, Chinese (conversion to Unicode only)
ISO2022CN_CNS	CNS 11643 in ISO 2022 CN form, Traditional Chinese (conversion from Unicode only)
ISO2022CN_GB	GB 2312 in ISO 2022 CN form, Simplified Chinese (conversion from Unicode only)
ISO2022JP	JIS X 0201, 0208 in ISO 2022 form, Japanese
ISO2022KR	ISO 2022 KR, Korean
ISO8859_2	ISO 8859-2, Latin alphabet No. 2
ISO8859_3	ISO 8859-3, Latin alphabet No. 3
ISO8859_4	ISO 8859-4, Latin alphabet No. 4
ISO8859_5	ISO 8859-5, Latin/Cyrillic alphabet
ISO8859_6	ISO 8859-6, Latin/Arabic alphabet
ISO8859_7	ISO 8859-7, Latin/Greek alphabet
ISO8859_8	ISO 8859-8, Latin/Hebrew alphabet
ISO8859_9	ISO 8859-9, Latin alphabet No. 5
ISO8859_13	ISO 8859-13, Latin alphabet No. 7
ISO8859_15_FDIS	ISO 8859-15, Latin alphabet No. 9
JIS0201	JIS X 0201, Japanese
JIS0208	JIS X 0208, Japanese
JIS0212	JIS X 0212, Japanese
JISAutoDetect	Detects and converts from Shift-JIS, EUC-JP, ISO 2022 JP (conversion to Unicode only)
Johab	Johab, Korean
KOI8_R	KOI8-R, Russian
MS874	Windows Thai
MS932	Windows Japanese
MS936	Windows Simplified Chinese
MS949	Windows Korean
MS950	Windows Traditional Chinese
MacArabic	Macintosh Arabic
MacCentralEurope	Macintosh Latin-2
MacCroatian	Macintosh Croatian
MacCyrillic	Macintosh Cyrillic
MacDingbat	Macintosh Dingbat
MacGreek	Macintosh Greek
MacHebrew	Macintosh Hebrew
MacIceland	Macintosh Iceland
MacRoman	Macintosh Roman
MacRomania	Macintosh Romania
MacSymbol	Macintosh Symbol
MacThai	Macintosh Thai
MacTurkish	Macintosh Turkish
MacUkraine	Macintosh Ukraine
SJIS	Shift-JIS, Japanese
TIS620	TIS620, Thai

**APAR: IY65985**

The following is a correction for the Prefiltering Windows Log Events section of the *IBM Tivoli Enterprise Console Version 3.8 Adapters Guide*, on page 115:

**Log** Specifies one or more of the Windows event logs to prefilter. Valid values are **System**, **Security**, **Application**, **DNS**, **File Replication Service**, **Directory**, or any combination of these separated by commas. The default is all of these event logs.

**177672** - The following information is an addendum to the “Configuration Parameters Appendix.” of the *IBM Tivoli Enterprise Console Command and Task Reference*:

The following parameters can be set in the `.ui_server_config` file, which is located in the `$BINDIR/TME/TEC` directory on the managed node where the UI Server is installed.

Parameter	Use	Default Value
<code>tec_ui_server_version_checking_enabled</code>	Specifies whether or not to verify a compatible version of the Java event console when attempting to connect to the UI server. The values for this parameter are TRUE and FALSE.	TRUE
<code>tec_ui_server_conn_keepalive_interval</code>	Specifies sleep interval in minutes used by the UI server keep-alive thread. This thread prevents the unexpected closure of the connection between the console and the UI server when communicating through a firewall.	This is disabled by default.

Note: `tec_ui_server_conn_keepalive_interval` is only supported when the UI server is installed on a 4.1 or later managed node.

## Files added or replaced with this fix pack

Please see the image report named **image.rpt** packaged with this fix pack in order to see which binary files are affected.

## Contacting software support

When experiencing a problem with any Tivoli product refer to the following IBM Software Support Web site:  
<http://www.ibm.com/software/sysmgmt/products/support/>

To contact software support see the IBM Software Support Guide at the following Web site:  
<http://techsupport.services.ibm.com/guides/handbook.html>

The guide provides information about how to contact IBM Software Support depending on the severity of the problem and the following information:

- Registration and eligibility
- Country relevant telephone numbers and e-mail addresses
- Information needed before contacting IBM Software Support

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