Date: June 20, 2002

Patch: 3.7.1-TEC-FP02

Component: Tivoli Enterprise Console 3.7.1

General Description:
  This fixpack PTF U482349 supersedes and contains APAR fixes from
  previous e-fixes and patches, as well as numerous other fixes to the
  Tivoli Enterprise Console, Version 3.7.1.

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NOTES: It is very important to read all the notes in this README.

* Consult your operating system reference manual(s) for operating
  system specific commands.

* WARNING: Due to changes in the wtdbclear command, it is recommended
          that users make a backup copy of the wtdbclear binary file
          prior to installing this fixpack. See the section on
          wtdbclear for details.

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Patches superseded by this patch:

  3.7.1-TEC-0001
  3.7.1-TEC-0003E
  3.7.1-TEC-0004
  3.7.1-TEC-0005E
  3.7.1-TEC-0006E
  3.7.1-TEC-0008E
  3.7.1-TEC-0009E
  3.7.1-TEC-0010E
  3.7.1-TEC-0011E
  3.7.1-TEC-0012E
  3.7.1-TEC-0013E
  3.7.1-TEC-0014E
  3.7.1-TEC-0016E
  3.7.1-TEC-0017E

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Prerequisites:

Note: The following must be installed prior to the installation
       of this fixpack.

   Tivoli Enterprise Console 3.7.1

   For Tier 2 enablement:
     3.7-TMF-0021
     3.6.1-TMF-0026

3.6.1-TMF-0034

For IBM Tivoli Netview 7.1.2 console enablement:
IBM Tivoli Netview 7.1.2

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Files Replaced or Added by this Fixpack
(for all supported values of $INTERP):

bin/wrb
bin/wtdbclear
bin/wtdumper
bin/wtdumprl
bin/wtdumptr
bin/wtdbspace
bin/wsetemsg
TME/TEC/nvsync.sh
TME/TEC/tec_config
TME/TEC/tec_dispatch
TME/TEC/tec_reception
TME/TEC/tec_server
TME/TEC/tec_rule
TME/TEC/tec_rule_data
TME/TEC/tec_task
TME/TEC/tec_tasks.tll
TME/TEC/tec_compile_rules_gui.sh
TME/TEC/tec_rule_non_tme.tar
TME/TEC/.tec_config
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/$INTERP\
/event_specifiers.wic
TME/TEC/default_rb/TEC_TEMPLATES/$INTERP/event_specifiers.wic
TME/TEC/default_rb/TEC_RULES/netview.rls
TME/RULE_BUILDER/builder
TME/RULE_BUILDER/builder_data
bin/postemsg
bin/wpostemsg
bin/wtdbclear.pl
TME/TEC/tec_rb.jar
TME/TEC/nways.jar
TME/TEC/nvsync.jar
TME/TEC/tec_ui_svr.jar
TME/TEC/tec_console.jar
TME/TEC/tec_svr.jar
TME/TEC/launch118.jar
TME/TEC/tec_ui_server
TME/TEC/tec_gateway.exe
bin/aix4-r1/TME/TEC/adapters/bin/tecad_logfile
bin/aix4-r1/TME/TEC/adapters/bin/logfile_gencds
bin/hpux10/TME/TEC/adapters/bin/tecad_logfile
bin/hpux10/TME/TEC/adapters/bin/logfile_gencds
bin/solaris2/TME/TEC/adapters/bin/tecad_logfile
bin/solaris2/TME/TEC/adapters/bin/logfile_gencds
bin/linux-ix86/TME/TEC/adapters/bin/tecad_logfile
bin/linux-ix86/TME/TEC/adapters/bin/logfile_gencds
bin/linux-s390/TME/TEC/adapters/bin/tecad_logfile

```
  bin/linux-s390/TME/TEC/adapters/bin/logfile_gencds
  bin/aix4-r1/bin/wpostemsg
  bin/hpux10/bin/wpostemsg
  bin/solaris2/bin/wpostemsg
  bin/w32-ix86/bin/wpostemsg.exe
  bin/os2-ix86/bin/wpostemsg.exe
  bin/linux-ix86/bin/wpostemsg
  bin/linux-s390/bin/wpostemsg
  bin/w32-ix86/TME/TEC/adapters/bin/tecad_nt.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecadnts.exe
  bin/w32-ix86/TME/TEC/adapters/bin/sctlnt.exe
  bin/w32-ix86/TME/TEC/adapters/bin/nt_gencds.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecad_win.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecadwins.exe
  bin/w32-ix86/TME/TEC/adapters/bin/sctlwin.exe
  bin/w32-ix86/TME/TEC/adapters/bin/win_gencds.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecad_nt.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecadnts.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecad_win.exe
  bin/w32-ix86/TME/TEC/adapters/bin/tecadwins.exe
  bin/aix4-r1/TME/TEC/adapters/bin/tecad_logfile
  bin/hpux10/TME/TEC/adapters/bin/tecad_logfile
  bin/solaris2/TME/TEC/adapters/bin/tecad_logfile
  bin/os2-ix86/TME/TEC/adapters/bin/tecados2.exe
  bin/aix4-r1/TME/TEC/adapters/bin/tecad_snmp
  bin/hpux10/TME/TEC/adapters/bin/tecad_snmp
  bin/solaris2/TME/TEC/adapters/bin/tecad_snmp
  bin/w32-ix86/TME/TEC/adapters/bin/tecad_snmp

Tier 2 enablement:
  bin/linux-ix86/TME/ACP/acpep
  bin/linux-ix86/TME/ACP/acpep_install
  bin/linux-ix86/TME/ACP/wacpadin
  bin/linux-ix86/TME/TEC/adapters/bin/wlocpath
  lib/linux-ix86/libstdc++-libc6.1-2.so.3
  bin/linux-s390/TME/ACP/acpep
  bin/linux-s390/TME/ACP/acpep_install
  bin/linux-s390/TME/ACP/wacpadin
  bin/linux-s390/TME/TEC/adapters/bin/wlocpath
  lib/linux-s390/libstdc++-libc6.1-2.so.3
  bin/mips-irix5/TME/ACP/acpep
  bin/mips-irix5/TME/ACP/acpep_install
  bin/mips-irix5/TME/ACP/wacpadin
  bin/mips-irix5/TME/TEC/adapters/bin/wlocpath
  lib/mips-irix5/libstdc++.so.2.10.0
  bin/osf-axp/TME/ACP/acpep
  bin/osf-axp/TME/ACP/acpep_install
  bin/osf-axp/TME/ACP/wacpadin
  bin/osf-axp/TME/TEC/adapters/bin/wlocpath
  lib/osf-axp/libStr272.so
  lib/osf-axp/libg++.so.2.7.2
  lib/osf-axp/libstdc++.so.2.7.2
  bin/reliant-unix/TME/ACP/acpep
  bin/reliant-unix/TME/ACP/acpep_install
  bin/reliant-unix/TME/ACP/wacpadin
  bin/reliant-unix/TME/TEC/adapters/bin/wlocpath
  lib/reliant-unix/libstdc++.so.2.10.0
```

```
   bin/sequent/TME/ACP/acpep
   bin/sequent/TME/ACP/acpep_install
   bin/sequent/TME/ACP/wacpadin
   bin/sequent/TME/TEC/adapters/bin/wlocpath
   lib/sequent/libstdc++.so.2.10.0
   bin/solaris2-ix86/TME/ACP/acpep
   bin/solaris2-ix86/TME/ACP/acpep_install
   bin/solaris2-ix86/TME/ACP/wacpadin
   bin/solaris2-ix86/TME/TEC/adapters/bin/wlocpath
   lib/solaris2-ix86/libstdc++.so.2.10.0
   bin/uw2-ix86/TME/ACP/acpep
   bin/uw2-ix86/TME/ACP/acpep_install
   bin/uw2-ix86/TME/ACP/wacpadin
   bin/uw2-ix86/TME/TEC/adapters/bin/wlocpath
   lib/uw2-ix86/libStr.so.2.7.2
   lib/uw2-ix86/libg++.so.2.7.2
   lib/uw2-ix86/libstdc++.so.2.7.2
   bin/linux-ix86/TME/TEC/adapters/bin/tecad_logfile
   bin/linux-ix86/TME/TEC/adapters/bin/logfile_gencds
   bin/linux-s390/TME/TEC/adapters/bin/tecad_logfile
   bin/linux-s390/TME/TEC/adapters/bin/logfile_gencds
   bin/mips-irix5/TME/TEC/adapters/bin/tecad_logfile
   bin/mips-irix5/TME/TEC/adapters/bin/logfile_gencds
   bin/osf-axp/TME/TEC/adapters/bin/tecad_logfile
   bin/osf-axp/TME/TEC/adapters/bin/logfile_gencds
   bin/reliant-unix/TME/TEC/adapters/bin/tecad_logfile
   bin/reliant-unix/TME/TEC/adapters/bin/logfile_gencds
   bin/sequent/TME/TEC/adapters/bin/tecad_logfile
   bin/sequent/TME/TEC/adapters/bin/logfile_gencds
   bin/solaris2-ix86/TME/TEC/adapters/bin/tecad_logfile
   bin/solaris2-ix86/TME/TEC/adapters/bin/logfile_gencds
   bin/uw2-ix86/TME/TEC/adapters/bin/tecad_logfile
   bin/uw2-ix86/TME/TEC/adapters/bin/logfile_gencds
   bin/linux-ix86/bin/wpostemsg
   bin/linux-s390/bin/wpostemsg
   bin/mips-irix5/bin/wpostemsg
   bin/osf-axp/bin/wpostemsg
   bin/reliant-unix/bin/wpostemsg
   bin/sequent/bin/wpostemsg
   bin/solaris2-ix86/bin/wpostemsg
   bin/uw2-ix86/bin/wpostemsg
   bin/linux-ix86/bin/wstoptecgw
   bin/linux-s390/bin/wstoptecgw
   bin/mips-irix5/bin/wstoptecgw
   bin/osf-axp/bin/wstoptecgw
   bin/reliant-unix/bin/wstoptecgw
   bin/sequent/bin/wstoptecgw
   bin/solaris2-ix86/bin/wstoptecgw
   bin/uw2-ix86/bin/wstoptecgw

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Fixpack Contents:

    - This README file
    - An image report for this fixpack
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- A CD_ROM image for this fixpack
- The file containing information about IBM NetView 7.1.2 integration features: nvintegration.pdf
- A CD_ROM image addendum for the AS400 portion of this fixpack

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Problems Fixed:

3.7.1-TEC-FP02 Problem Resolutions:

Fixed in 3.7.1-TEC-0001

APAR IY17813
Symptoms: EVENT FORWARDING FROM 3.6.2 TO 3.7 TEC CAUSES EXTRANEOUS EVENTS

APAR IY17964
Symptoms: 371TEC01A IN FMT FILE % LENGTH S NOT PARSING CORRECTLY

APAR IY18278
Symptoms: POSTEMSG GARBLES JAPANESE CHARACTERS AT THE ADAPTER

APAR IY20002
Symptoms: TEC_EXECTASK_DBCS=TRUE CAUSES MEMORY LEAK IN TEC_TASK

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Fixed in 3.7.1-TEC-0003E

APAR IY24397
Symptoms: TEC 3.7.1+PATCH 1 SOLARIS ADAPTER SMALL MEMORY LEAK

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Fixed in 3.7.1-TEC-0005E

APAR IY23919
Symptoms: TECADNTS.EXE DIES WITH DRWATSON ERRORS WITH SECURITY LOG EVENTS

****

Fixed in 3.7.1-TEC-0006E

APAR IY20879
Symptoms: GUI RULE BUILDER RUNS OUT OF MEMORY AND SIGSEGV'S

****

Fixed in 3.7.1-TEC-0008E

APAR IY25101
Symptoms: INFORMIX 9.2/FRAMEWORK 3.7. X AND TEC 3.7.1- WT COMMANDS ISSUE

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Fixed in 3.7.1-TEC-0009E

 APAR IY25074
   Symptoms: PERF PROB WITH THE CONSOLE WHEN YOU HAVE SEVERAL
             TASK LIBRARIES

****

Fixed in 3.7.1-TEC-0010E

 APAR IY22140
   Symptoms: EIF_EP_ENGINE CORE DUMPS WHEN CLEARING CACHED TEC EVENTS

 APAR IY24606
   Symptoms: WITH PATCH 001 - EDIT PREFS FROM EVENT VIEWER EXCEPTION

 APAR IY24976
   Symptoms: EVENTS WITH (HASH) NOT LOADED IN EVENT CACHE

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Fixed in 3.7.1-TEC-0011E

 APAR IY24718
   Symptoms: 3.7.X TEC_CONFIG HAS MEMORY LEAK

 APAR IY18758
   Symptoms: TEC_UI_SERVER[8700]: PANIC: SETITIMER FAILED. TIMERS.C

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Fixed in 3.7.1-TEC-0012E

 APAR IY23939
   Symptoms: CREATE EVENT GROUP FAILS DUE TO INCORRECT DECIMAL SYMBOL

 APAR IY25766
   Symptoms: TEC CONSOLE (TME OR NON-TME) VERY SLOW TO PERFORM
             ANY ACTION

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Fixed in 3.7.1-TEC-0013E

 APAR IY26534
   Symptoms: WTDBSPACE GENERATES ERROR MESSAGE- TEC 3.7.1

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Fixed in 3.7.1-TEC-0017E

 APAR IY29083
   Symptoms: SMALL BLOCK PROBLEM ON NT/WIN ADAPTERS

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New Fixes in 3.7.1-TEC-FP02

APAR IY08645
  Symptoms: WTDBCLEAR.PL TAKES MUCH TOO LONG TO COMPLETE

APAR IY15475
  Symptoms: WHEN TEC IS DOWN, SOFTWARE DISTRIBUTION EVENTS ARE
            NOT BEING CACHED

APAR IY15799
  Symptoms: INIT.TECAD_LOGFILE STOP ADAPTER COMMAND KILLS
            OTHER LOGFILE

APAR IY16090
  Symptoms: UNABLE TO ASSIGN FILTER ON "ACL" SLOT TEC 3.7

APAR IY18504
  Symptoms: NO SCROLL BAR WHEN ADDING A FILTER USING THE
            "ADD SQL" BUTTON

APAR IY22170
  Symptoms: COPYING A RULEBASE FAILS THROUGH GUI RULE BUILDER

APAR IY22996
  Symptoms: LIST_OF STRING NOT HANDLED PROPERLY BY TEC_DISPATCH
            OR TEC_RULE

APAR IY23065
  Symptoms: TEC_DISPATCH CRASHES WITH EXIT CODE 211,
            SIGSEGV SPORADICALLY

APAR IY23295
  Symptoms: TEC EVENT INFORMATION BUTTON WON'T LAUNCH NETSCAPE
            ON SOLARIS

APAR IY23941
  Symptoms: TEC CONSOLE DOES NOT RETAIN COLUMN WIDTH/LOCATION
            CHANGES AFTER

APAR IY24129
  Symptoms: 371 AS400 ADAPTER FILTERING NOT WORKING.

APAR IY24391
  Symptoms: UPG_TEC_DB_370_TO_371.SH NEEDS CORRECTION FOR
            $VENDOR VARIABLE

APAR IY24673
  Symptoms: SEVERITY COLORS DO NOT CHANGE IN 3.7.1-TEC-0001 (NON-TME)

APAR IY24812
  Symptoms: EVENT FROM NT AND WINDOWS 2000 GARBLED

APAR IY25043
  Symptoms: NT TEC ADAPTER DR WATSONS ON SYSTEM ERROR EVENTS

APAR IY25233
  Symptoms: SENDING TEC SERVER QUEUES EVENTS WHEN GETTING A LIGHT
            EVENT STREAM

APAR IY25243
  Symptoms: TEC_CONSOLE -E EVENT_GROUP_NAME HAS NO EFFECT

APAR IY25381
  Symptoms: GARBLED CHAR WHEN USING NO_UTF8_CONVERSION=NO
            WITH WPOSTEMSG

APAR IY25922
  Symptoms: ACPEP-EP DEPENDENCY SET INCORRECT FOR TEC 3.7.1

APAR IY26027
  Symptoms: AS400 3.7 ADAPTER WILL NOT FILTER AGAINST WILDCARDS

APAR IY26103
  Symptoms: VARIABLE SCOPE IN PROLOG PASSES BEYOND RULE IN WHICH
            THE VARIABLE

APAR IY26281
  Symptoms: INFORMATION BUTTON DOES NOT PICK UP CORRECT PATH

APAR IY26332
  Symptoms: TEC HANGS

APAR IY27045
  Symptoms: TEC SNMP ADAPTER DOCUMENTATION NOT COMPLETE

APAR IY27198
  Symptoms: THE GLOBAL_EXISTS PREDICATE DOES NOT FUNCTION CORRECTLY

APAR IY27199
  Symptoms: SAVE_GLOBALS PREDICATE DOES NOT SUCCESSFULLY WRITE
            VARIABLES

APAR IY27500
  Symptoms: SETTING SINGLE PORT BDT TO TRUE CAUSES TEC FAILURES

APAR IY27591
  Symptoms: WMIGCON INCORRECTLY MIGRATES FILTER STATEMENTS

APAR IY27780
  Symptoms: WSETEMSG DOES NOT SET NULL WHEN "" OR OR '' IS PLACED
            AFTER THE

APAR IY28071
  Symptoms: CONSOLE WILL NOT SHOW ANY EVENTS IN THE PRIORITY OR
            SUMMARY VIEW

APAR IY18135
  Symptoms: INCORRECTLY - ADMIN AUTHORITY REQUIRED TO RUN
            TROUBLETICKET.SH

APAR IY21084
  Symptoms: TEC 3.7 OS/2 ADAPTER - DISTRIBUTION ADDS EXTRA CR

TO TEXT FILE

APAR IY20202
Symptoms: CR_TEC_DB.SH SCRIPT FAILS IF SERVER ID IN RIM OBJECT IS NOT SET

APAR IY22704
Symptoms: JAVA CONSOLE COLOURS DISAPPEAR WHEN COL. REMOVED

APAR IY24964
Symptoms: JAVA CONSOLE RUNS OUT OF MEMORY WHEN PERFORMING ADMINISTRATIVE

APAR IY25651
Symptoms: TEC WINDOWS LOGFILE ADAPTER DIES WITH A DR WATSON

APAR IY26465
Symptoms: ATTR_SEQUENCE DOES NOT FUNCTION CORRECTLY. FIRST_RELATED_EVENT

APAR IY28434
Symptoms: CREATE OPERATOR FAILS AFTER PATCH1

APAR IY28443
Symptoms: CREATE OPERATOR FAILS ON TEC_CONSOLE DUE TO A HYPHEN OR SPACE

APAR IY28972
Symptoms: TEC UI SERVER DIES WHEN MODIFYING LARGE NUMBER OF EVENTS

APAR IY29351
Symptoms: WINDOWS EVENT LOG ADAPTER RECEIVES DR WATSON DURING EVENT STORM

APAR IY22187
Symptoms: TEC JAVA CONSOLE MEMORY LEAK (PATCH 15E APPLIED)

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Applying the Patch:

**IMPORTANT: Before applying this fixpack, stop the event server.

**WARNING: The .tec_config file is replaced during the installation of Fixpack 2. Users with a customized file must create a backup copy prior to installation, in order to use with updated product.

1. Extract the fixpack:

On a UNIX system:

Extract the contents into a temporary directory, using the following commands. For the purpose of this example, assume that the variable $PATCH points to this temporary directory.

```
cd $PATCH
tar xvf 3.7.1-TEC-FP02.tar
tar xvf 3.7.1-TEC-FP02_as400.tar
```

On a Windows system:

Extract the contents into a temporary directory, using the following commands. For the purpose of this example, assume that the variable %PATCH% points to this directory, and X is drive letter where %PATCH% is found.

```
%SystemRoot%\system32\drivers\etc\Tivoli\setup_env
X:
> cd %PATCH%
> tar xvf 3.7.1-TEC-FP02.tar
> tar xvf 3.7.1-TEC-FP02_as400.tar
```

NOTE: If extracting the tar image on a Windows system, you will find an executable for the tar utility in the TME installation on Windows: bin/w32-ix86/tools/tar.exe.

2. The following instructions are included for using Software Installation Service (SIS). If SIS is not used, skip to number 3.

   NOTE: SIS can install Tivoli Software products on most hardware platform supported by Tivoli Software, however there are some hardware platforms on which SIS cannot be run. Check the Tivoli Enterprise Installation Guide for the list of platforms on which SIS can be run.

   NOTE: You must have the install_product and super authorization roles to successfully install this fixpack.

   **IMPORTANT: The following SIS patch, available from the Tivoli Support FTP site, is required: 3.7-SIS-0005

   a) From the Tivoli desktop pull down menu, select Desktop --> Install --> Software Installation Service.
   b) SIS will initialize, and display the Get Installation Password dialog. Enter the installation password.
   c) Click the Install button on the dialog which contains the Tivoli image.
   d) Click the Select Product button on the Install Spreadsheet dialog.
   e) Click the Import Product button on the Select Product dialog.
   f) Locate the media to 3.7.1-TEC-FP02 using the file browser, and select the PATCHES.LST file by double-clicking it.
   g) Select 3.7.1-TEC-FP02 in the Import Product dialog, and click the Import Button.
   h) When the import is complete, click the OK button on the Global Progress dialog.
   i) Select 3.7.1-TEC-FP02 in the Select Product dialog, and click the OK button.

j) Click the Select Machine button on the
Install Spreadsheet dialog.
k) Select the machine(s) you would like to install
3.7.1-TEC-FP02 to, and click the OK button.
l) Click the appropriate cell(s) in the Install Spreadsheet
dialog. (NOTE: This should yield an X in the cell(s)
for the machines to install 3.7.1-TEC-FP02 on).
m) Click the Install button.
n) Select the install algorithm you want to use in the
Installation Algorithm dialog, and click the OK button.
o) SIS will perform the installation(s) you designated
in the Install Spreadsheet dialog.
p) Installation is complete. Check the Additional
Installation Instructions section below.

3. Use the following steps to install the fixpack using the classic
Tivoli installation mechanism.

NOTE: The install_product and super authorization roles
are required to successfully install this fixpack.

a) Select Install -> Install Patch from the
Tivoli desktop" pull-down menu to display the
Install Patch dialog.
b) Click the Select Media button to display the File
Browser dialog.
c) Enter the path to the directory containing the Fixpack,
$PATCH, in the Path Name field.
d) Click the Set Media & Close button to return to the
Install Patch dialog.
e) The patch install list now contains the name
of the fixpack.
Select the fixpack by clicking on it.
f) Select the clients to install this fixpack on. Fixpacks
typically need to be installed on the Tivoli server
and on each Tivoli client.
g) Click the Install button to install the fixpack.

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Additional Installation Instructions:

Restart the event server after successful installation
of the fixpack.

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Database Changes and Special Considerations:

None

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Notes:

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DBCS and UTF-8:

Note: This applies only to adapters receiving non-English events.

Tivoli Enterprise Console TME and Non-TME adapters:

To prevent DBCS characters from becoming corrupted, stop the adapter and add the following option to the adapter configuration file:

```
NO_UTF8_CONVERSION=YES
```

Make sure there is a carriage return at the end of the line, or DBCS characters may become corrupted. This option prevents DBCS characters in the event stream from being converted to UTF-8 encoding twice (in the adapter and in the EIF). The command line interface (CLI), can use the same configuration file as the adapters. The NO_UTF8_CONVERSION option is internally set to NO for CLIs.

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ACF Install:

The TME endpoint must be stopped on the target node (TMR gateway) when installing the ACF.

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Tier 2:

The Tier 2 enablement patch included in FP02 allows distribution of Tier 2 adapters from a Tier 1 ACF.

Note: See the Known Defects section for precautions.

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SIS Installation:

** IMPORTANT: The following SIS patch, available from the Tivoli Support FTP site, is required if using Tivoli SIS to install this fixpack: 3.7-SIS-0005

There have been problems reported with installations using SIS. Some of the binaries, including the adapters, do not distribute properly, without the above patch installed.

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wmigcon:

This command attempts to translate each filter as accurately as possible, but an exact match cannot be made for every filter. The old filters are specified as Perl regular expressions, and the new filters are specified with the SQL LIKE operator.

Regular expressions and SQL do not map to each other in a precise way, so the user should inspect each filter after wmigcon has translated it, to make sure that the resulting SQL filter is accurate. Consult the Tivoli Enterprise Console 3.7.1 Reference Manual.

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tec_gateway.conf parameters:

If the event server fails due to a high rate of incoming events, or event storms, the gateway may be used to control the rate at which the event server receives events from TME sources. The following optional parameters may be used in the tec_gateway.conf file:

EventSendThreshold = max_events_per_second
BufferFlushRate = events_per_minute
MaxGWCacheSizeMegs = size_in_megabytes

EventSendThreshold - The maximum number of events per second in which the gateway sends events directly to the event server. When the rate of incoming events exceeds the EventSendThreshold, then the gateway begins to cache the events. From the point, EventSendThreshold is used in conjunction with BufferFlushRate, to scale back the rate at which events are sent to the event server, utilizing the cache.

BufferFlushRate - The number of events per minute in which the gateway sends events to the event server from the cache, once connection to the event server has been restored.

MaxGWCacheSizeMegs - Specifies the size of the gateway cache file. This parameter is not listed by default in the configuration file, and defaults to 1 megabyte.

Note: The cache file size cannot exceed 1 gigabyte.

For example, if the event server can handle 25 events per second, and there are 5 gateways in the environment, set each gateway with the following:

BufferFlushRate = 300
EventSendThreshold = 5

This implies each of the five gateways sending events at a rate of 300 events per minutes (5 events per second). Thus the server receives 25 events per second.

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The following sections describe the improved functionality incorporated in this fixpack.

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Custom Button in the Event Viewer:

There is a new custom button option provided in the event console.

When configured and activated, this button appears on the Event Viewer, and launches a user-defined script or executable file. Specify the following environment variables to create the button, which will be located on the middle bar of the Event Viewer, next to the Acknowledge button. When an event is selected, and the button pressed, the action specified in TEC_CUSTOM_ACTION executes.

Environment variables:
  TEC_CUSTOM_LABEL = name of the label (limited to 20 characters)
  TEC_CUSTOM_ACTION = the fully-qualified script to run

Although the environment variables are set per operator, the custom button is not currently designed to be configured for each operator. In the IBM Tivoli Enterprise Console product, version 3.8 and above, custom buttons will be defined on a per-console basis through the console properties.

Some limitations when setting the TEC_CUSTOM_LABEL and TEC_CUSTOM_ACTION environment variables:

1. The label is limited to, and truncated at, 20 characters.

2. To run a shell script in UNIX or Linux, you must specify the shell program before the script:

   ```
   #/usr/local/tec_console> export TEC_CUSTOM_ACTION = \
   "/usr/bin/sh /usr/local/custom_action.sh"
   ```

   (Note: The "\" indicates a new line, inserted for readability)

3. If the custom script launches a graphical application, for example a Java GUI, then you must export the DISPLAY environment variable in your script:

   ```
   #!/bin/sh
   export DISPLAY=<hostname>:0.0
   /usr/jdk/bin/java MyCustomButton $(SLOTS)
   ```

When an event is selected in the Event Viewer and the custom button is pressed, the attributes of the event are passed to the custom button script as environment variables. The SLOTS environment variable contains a string array with all attributes exported by the event console. It will be similar to the following:

```
SLOTS=num_actions hostname server_path adapter_host source\
      cause_event severity status ...
```

Each one of these attributes is also an environment variable, and can be used in a custom button script.
For example, in UNIX:

```
#!/bin/sh
/usr/jdk/bin/java UpdateSeverity $(severity) $(hostname)
```

In Windows (a .bat file):

```
@echo off
```

```
   d:
   d:\jdk\bin\java MyCustomButton "%SLOTS%" "%severity%" "%class%"
   @echo on
   REM define environment variable
   set TEC_CUSTOM_ACTION=d:\test\mycustombutton.cmd

**********************************
```

wtdbclear:

To improve the run time performance of the wtdbclear commands, table indexing and code changes were made, and stored procedures were added to the event database.

SQL scripts for each database vendor type are provided to:

- Rearrange the tec_t_evt_rec_log index columns to put the date_entry column first.

- Rearrange the tec_t_evt_rep index columns to put the date_reception column first.

- Add a stored procedure to the event database that can be called by the wtdbclear command (binary version).

Stored Procedures Details:

A new stored procedure was coded for each of the five databases that the Tivoli Enterprise Console product supports. Stored procedures greatly reduce the time needed to run database functions, because they run on the database server, instead of the client. This eliminates the need to transfer records back and forth across the network.

**IMPORTANT: Stored Procedure Notes:

1. The DB2 stored procedure has been coded with the same functionality as the other stored procedures. Due to DB2's requirement for a C compiler and DB2 SDK, this procedure has been functionally tested on AIX 4.3.3 only. It has been included here in case the user has the required SDK and C compiler installed and configured with DB2, and desires the performance benefits.

2. DB2 SQL stored procedures are only supported with DB2 v. 7.1 and later.

3. RIM requires Tivoli Management Framework e-fix 371-TMF-0042E to run the stored procedure for Sybase successfully. This is available from the Tivoli Software Support FTP site.

Files included for the wtdbclear changes:

- install_wtdbclear_stproc.sh

**WARNING: The event server must not be running while executing this script due to the index changes that occur.

This file runs SQL scripts to install or remove the stored procedures and alter indexes. The script will attempt to shut down the event server if it is running, and will exit if shutdown is unsuccessful.

- <db_type>_stproc.cr.sql and <db_type>_stproc_rm.sql

  Each database type, with the exception of DB2, has these two SQL scripts. The <db_type>_stproc.cr.sql scripts alter indexes and add the stored procedure definition to the event database. The <db_type>_stproc_rm.sql scripts drop the stored procedure from the event database.

- db2_stproc_cr.db2, db2_stprocindex_cr.db2, and db2_stproc_rm.db2

  DB2 requires three scripts to accomplish the same functionality as the two scripts previously described for the other RDBMSs. The stored procedure for DB2 is located in the script named db2_stproc_cr.db2. The db2_stprocindex_cr.db2 script contains the code to alter indexes and the db2_stproc_rm.db2 script drops the stored procedure.

  Note: The DB2 Stored Procedure Builder requires stored procedure code to be the only SQL code in a particular file. The file must also end with the extension .db2. The db2_stproc_cr.db2 meets the criteria for DB2 Stored Procedure Builder syntax checking.

How to run the install_wtdbclear_stproc.sh script:

All the SQL scripts and the install_wtdbclear_stproc.sh shell script install into the $BINDIR/TME/TEC/sql directory when the fixpack is applied to the event server. For DB2 and Informix, these scripts should be run on the database server host, which may require copying the install_wtdbclear_stproc.sh shell script, along with the appropriate SQL scripts for the database, to the database server host. The install_wtdbclear_stproc.sh shell script should be run as the Tivoli Enterprise Console RIM user for DB2 and Informix. For Sybase, MS-SQL, and Oracle, the script prompts for the RIM user password as needed.

There are three possible input parameters for the install_wtdbclear_stproc.sh script, described below. They are new, remove, and db2proc.

new - Runs the SQL scripts to alter indexes and add the stored procedure to the event database. This is the default.

DB2Proc - Installs the DB2 stored procedure into the event database. (Requires the DB2 SDK and C compiler)

Remove - Removes the stored procedure from the event database.

**WARNING: DB2 and Informix Users must log in to your machine as the

RIM user. On UNIX, use the 'su' command to switch to the RIM user ID and run the event database install scripts. On Windows, you must not be logged on as Administrator or your local domain ID. Log on as the DB2 user assigned as the Tivoli Enterprise Console RIM user.

The following are examples to run the install_wtdbclear_stproc.sh script.

1. No input parameters (the most common method):

   install_wtdbclear_stproc.sh

   -OR-

   install_wtdbclear_stproc.sh new

   The indexes will be altered and the stored procedure will be added to the event database. The <db_type>_stproc_cr.sql script is run for every database vendor type except DB2.

   Note: DB2 will only alter the indexes by executing db2_stprocindex_cr.db2.

2. Input parameter remove:

   install_wtdbclear_stproc.sh remove

   The stored procedure is removed from the event database. The script <db_type>_stproc_rm.sql applies to every database vendor type.

3. Input parameters new and db2proc
   (most common options for DB2 7.1 and higher)

   install_wtdbclear_stproc.sh new db2proc

   This will install the DB2 stored procedure and then alter indexes by running db2_stproc_cr.db2 and db2_stprocindex_cr.db2 scripts.

   Note: Only use the db2proc option if the required DB2 SDK and C compiler is installed on the DB2 server and it is configured to compile the SQL procedure into C code. Refer to the DB2 documentation and IBM Redbooks for the compiler and configuration requirements.

wtdbclear command changes (binary version):

NOTE: Backup the current wtdbclear binary file, prior to installing the update.

The new wtdbclear command automatically calls the stored procedures for each database type, unless the new option '-p FALSE' is used. This option may be used to bypass the calling of the stored

procedure for any database type. When the '-p FALSE' option is used, the older wtdbclear code is executed, however, benefits from altered indexes are still provided.

**IMPORTANT: Use the '-p FALSE' option for the following:

1. Running Tivoli Management Framework 3.7b and Sybase.
2. Running any supported DB2 version prior to 7.1.
3. Running DB2 version 7.1 without the DB2 SDK and C compiler.

NOTE: DB2 users who are unable to take advantage of the new DB2 stored procedure can continue to use their backup wtdbclear command, to avoid using the new '-p FALSE' option.

wtdbclear.pl command changes (Perl version):

The wtdbclear.pl command has been modified to make database calls using the new indexes. This avoids complete table scans and uses the indexes to find the events that match the -t time input option criteria. The code then determines which retrieved events to delete if any other input criteria is specified.

How to gain other event database performance improvements:

1. Specify the -t option with an argument of 0 to quickly clear the table. With the wtdbclear.pl command, truncation is performed for MS SQL, Sybase, and Oracle, and deletion is performed for Informix and DB2. The wtdbclear command will call the stored procedure and execute a DELETE FROM statement for all database types.

   These commands run quickly because truncation clears a table without the overhead of logging changes, and deletion logs the changes but moves through the rows quickly.

   NOTE: When clearing a large number of events, use the '-a' option. See the wtdbclear or wtdbclear.pl command in the IBM Tivoli Enterprise Console Reference Manual.

2. When the total number of rows to delete is less than the '-a' argument value, a DELETE FROM <table> WHERE DATE is less than option -t argument is executed using the table's index. This improves the speed because the index pinpoints which rows have a lower date value and then clears them quickly.

   Note: Be careful not to specify a commit threshold too large. This can cause the transaction logs to run out of space.

3. When the number of rows to delete is greater than the '-a' argument, the rows are read to determine which should be deleted, and then they are deleted one by one. The stored procedure is the quickest way to delete rows in this manner.

4. Where possible, both the wtdbclear and wtdbclear.pl commands do uncommitted reads to improve lock contention issues that can arise due to the event server running at the same time as the

wtdbclear command.

5. Statistics are updated internally for Informix, MS SQL, and Sybase to update their data distribution statistics for the event database. These statistics are used for the internal database manager whose function is to calculate the fastest method to access data. If the statistics are not current, the internal database manager may choose a method that is not the fastest.

Installation Notes:

1. IMPORTANT! Make backup copies of the $BINDIR/bin/wtdbclear and wtdbclear.pl files prior to installing the fixpack.

2. Install the fixpack according to the installation instructions.

****

IBM Tivoli NetView Integration:

NetView integration consists of a rule set and predefined event groups that take advantage of the enhanced integration of IBM Tivoli NetView 7.1.2 with the Tivoli Enterprise Console product. See the nvintegration.pdf file provided with this Fixpack for details about the enhanced NetView integration.

During installation of the fixpack, the NetView rule set is added to the Default rule base. This rule set is not active by default. To activate the rule set, perform the following steps (examples follow UNIX conventions, so modify them for different platforms). See the Tivoli Enterprise Console Rule Builders Guide for more information about rules and rule sets.

1. Go to the Default rule base directory:
   cd $BINDIR/TME/TEC/default_rb/TEC_RULES

2. Make sure the file netview.rls is in this directory.
   Edit the file rule_sets and append the following line:
   rule_set(netview, 'netview.rls', active).

4. Edit the file rule_sets_EventServer
   and append the following line:
   rule_set: netview

5. Go to the Default rule base classes directory:
   cd ../TEC_CLASSES

6. Make sure the file netview.baroc is in this directory.

7. Edit the file .load_classes and append the following line:
   netview.baroc
   (Be sure to add a carriage return at the end of the line)

8. If you have not done so already, source the Tivoli environment:
   . /etc/Tivoli/setup_env.sh
   (%WINDIR%\system32\drivers\etc\Tivoli\setup_env.cmd in Windows)

9. Recompile the Default rule base:
   wrb -comprules Default

10. Reload the Default rule base:
    wrb -loadrb -use Default

11. Stop and restart the event server:
    wstopesvr
    wstartesvr

The following command creates the two predefined event groups for NetView events:

wcrtnvgroups

Note: This command requires the appropriate Tivoli user ID, password, and permissions to create an event group and assign event group filter for an event console.

To disable the NetView 7.1.2 Integration functionality, perform the following:

UNIX:
cp $BINDIR/bin/tec_console_nonits $BINDIR/bin/tec_console

Windows:
copy %BINDIR%\bin\tec_console_nonits.cmd %BINDIR%\bin\tec_console.cmd

****

IBM Tivoli NetView 7.1.2 Enablement:

**IMPORTANT: Do not install the IBM Tivoli NetView 7.1.2 enablement options, until IBM Tivoli NetView 7.1.2 is installed.

Note: At the time of this fixpack release, IBM Tivoli NetView 7.1.2 is not currently available. It is expected to release soon after the release of 3.7.1-TEC-FP02. Check the IBM or Tivoli Software Web site, or contact your account representative about availability of 7.1.2.

For information about the IBM Tivoli NetView enablement features, view the nvintegration.pdf file, which is provided with this fixpack.

This fixpack must be installed to use the new event flows from IBM Tivoli NetView 7.1.2 with Tivoli Enterprise Console 3.7.1.

Tivoli Enterprise Console 3.7.1 Fixpack 2 introduces the optional integration with IBM Tivoli NetView 7.1.2. This integration includes two primary provisions:

1. The ability to launch from an event in the Tivoli Enterprise Console Event Viewer to a Tivoli NetView Web console.

The following views are available to launch to in the Web console:
- Submap Explorer
- Object Properties
- Diagnostics

2. The ability to use predefined network-management rules with event flows unique to IBM Tivoli NetView 7.1.2.

These provisions are described in the following sections.

Event Console/NetView Web Client Integration:

Prior to Fixpack 2 and IBM Tivoli NetView 7.1.2, users of Tivoli Enterprise Console 3.7.1 and the NetView product could launch the native NetView console from the Event Viewer. With this fixpack, administrators can opt to configure their event consoles to launch either the native NetView console or the new NetView Web console introduced in IBM Tivoli NetView 7.1.2.

The native NetView console is the default option and supports NetView 6.x to 7.1.1. By selecting the newer NetView option, for IBM Tivoli NetView versions 7.1.2 or later, different launch capabilities will be enabled.

To enable this option select the following from the patch install menu:

"3.7.1 Tivoli Enterprise Console NetView 7.1.2 Enablement"

Note: The NetView Web Console must be installed on the same system as the event console.

For UNIX and Linux non-TME event console installations, the new NetView integration is enabled by running the use_new_netview.sh script located in the event console directory. For example, if the event console is installed in the /usr/local/tec_console directory, the following command would enable launching the new NetView Web console:

./use_new_netview.sh

To use the new NetView launch capability, configure the operating system to export an environment variable that specifies the NetView Web console path.

In a UNIX and Linux environment, export the environment variable NVWC_HOME to the fully-qualified directory where the NetView Web console is installed. If the NetView Web console is installed in the /usr/local/nvwc directory, the following first command would define the environment variable, and the second command would start the event console:

```
export NVWC_HOME=/usr/local/nvwc
tec_console
```

To install a non-TME event console on Windows systems, the event

console installation wizard for Tivoli Enterprise Console 3.7.1
Fixpack 2 has a new panel called NetView Launch Support.

Note: The environment variable is set automatically by the event
console installation wizard.

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Test Summary:

Defect #	Test Description
IY15475	Verified that events from Software Distribution(v4.1) are cached when the Event Server is not started.
IY15799	Distributed two adapters, a normal log file adapter and then a second application log file adapter. Then created a third adapter and distributed with the stop command. The 2nd and 3rd adapters are in their own directories and have the INSTALL_TECADHOME environment variable commented out on from the init.tecad_logfile. All three adapters worked correctly.
IY18278	Verified that wpostemsg with DBCS on AIX in ja_JP locale functions correctly.
IY18758	From the Viewer menu Edit/Preferences and change Max No Events from 1000 to 999, click OK. At this point you will notice a Java exception. When the fix is applied the exception does not happen.
IY21084	Verified that tec log file adapter for OS/2 distributed without errors to an OS/2 system and functioned correctly.
IY23941	Verified that width/location of columns in the tec console can be changed and saved correctly on all supported platforms.
IY24812	Verified that wpostemsg with DBCS on windows in ja_JP locale functions correctly.
IY27500	This fix requires TME Framework 3.7.1 patches 003 and 008 installed. After patches installed, restart oserv and wrb commands work correctly with single_port_bdt set to TRUE. NOTE: To use single_port_bdt=TRUE, install the following TME Framework 3.7.1 patches, available from the Tivoli Support FTP site: 3.7.1-TMF-0003 and 3.7.1-TMF-0008
IY27591	See the wmigcon note in previous section.
IY17813	Used the Task Send Event to TEC Server to send an event from the 3.6.2 TEC Server to the 3.7.1 TEC Server and sent events that had all of the slot values set to "~" or "@". They did

not kill the tec_rule process.

IY17964 Tested parsing of FORMAT Logfile_Base with both UNIX and windows.

IY23919 Used the tecad_nt adapter to receive over 20,000 wineventlogs. Tested wtdumprl,stop/start the TEC server; no errors occurred.

IY20879 Created 10 rules sets of 30 rules each on both Windows & AIX; It did not fail with the memory error.

IY25101 Tested TEC Server operating with INFORMIX 9.2/TME 3.7.1. Also testedWT commands in this environment.

IY25074 Loaded 10 more task libraries and tried to bring up the console. The console came up fine within 30-40 sec of logging in. This was verified on both Windows and UNIX platforms.

IY22140 Used rule set from customer that caused problem. Verified events were cached and dumped successfully. Events cleared without problems on Windows and UNIX.

IY24606 From the Viewer menu selected Edit-> Preferences and then selected Working Queue, and changed one of the columns sort to ascending; then clicked OK. No errors with the tec_ui_server occurred on Windows or UNIX.

IY24976 Used rule set from customer that caused problem. Verified that events were cached and dumped successfully.

IY24718 The tec_config process was successfully terminated after the Console was stopped.

IY23939 Changed decimal symbol '.' to ',' and created an event group with new symbol. Restarted console and event group with decimal still existed correctly.

IY25766 Used default rulebase and generated 5000 events. It took significantly less time for the console to start with 5000 open events in data base. Tested on Windows and UNIX.

IY26534 Tested wtdbspace script on both windows and UNIX with various data bases, including INFORMIX 9.2.

IY29083 Generated high volume of events for the tecad_nt and tecad_win adapters. No errors encountered.

IY08645 Tested instructions for wtdbclear included in this README file, on Windows and UNIX, and on all supported databases.

IY15475 Halted Event Server and caused Software Distribution events to be generated. Started Event Server and TEC console. Cached events from SD were displayed on console Event Viewer.

IY16090 Verified that the ACL slot can be successfully used in any filter. Also used SQL queries to check if a value is in an ACL list.

IY18504 Tested the "ADD SQL" function and verified scroll bar function.

IY22170 Copied a rule set and found to be identical as source. Tested on both Windows and UNIX.

IY22996 Ran a 6 step scenario that demonstrates problem of LIST_OF not correctly processing quoted strings containing embedded comma and space chars. With the fixpack installed, the scenario completed without errors.

IY23065 Generated tens of thousands of events, and tec_dispatch error code 211 was not encountered. This fix pack contains the fixes to multiple tec_dispatch crashes. Additional log capture logic was added to provide additional root cause analysis if a similar problem occurs.

IY23295 Wakeup_Up_Netscape successfully tested on Windows and UNIX platforms.

IY24129 Verified that FilterMode=IN and FilterMode=OUT function as designed using the scenario outlined in defect description.

IY24391 Script upg_tec_db_370_to_371.sh run successfully on MS_SQL and other databases.

IY24673 All severity colors verified on windows and UNIX and all supported databases.

IY25043 This problem was caused by an error in pre-filter logic. The tecad_nt adapter using pre-filters was tested extensively.

IY25233 Setup an Event Server forwarding events to another; server receiving events was shut down. Noticed that forwarding server properly continued to process events and cached forwarded events.

NOTE: Add the following line to the necessary configuration file. (Adapter configuration file, for example): eipc_verify_portmapper=YES

IY25243 Verified tec_console -e event_group_name works correctly.

IY25381 Verified wpostemsg works correctly when using NO_UTF8_CONVERSION=NO.

IY25922 Tested All ACP profile distribution to all supported endpoints.

IY26027 Successfully tested AS400 Filtering with the wild card "*" character.

IY26103 A sample rule that illustrates the problem was tested and verified that a variable's scope is working correctly.

IY26281 Viewer Information button was verified to be working correctly on Windows and UNIX.

IY26332 Tested several events storms to verify tec_gateway did not hang or go into a run loop.

IY27045 Additional information for SNMP adapter is now available. This information will be included in TEC 3.8 Adapters Guide.

NOTE: Consult the tecad_snmp.baroc file for information regarding generic traps as well as NetWare, Cisco, and Cabletron traps.

IY27198 Created a rule that contains the set_global_var predicate. Used global_exists predicate in same rule to close an event if it exits.

IY27199 Used save_globals to write variables to a file. Checked the file to see if the variables had been written.

IY27591 Verified that WMIGCON translates each filter as accurately as possible, but an exact match cannot be made for every filter. The old filters are specified as Perl regular expressions, and the new filters are specified with the SQL LIKE operator. Regular expressions and SQL do not map to each other in a precise way, so the user should inspect each filter after WMIGCON has translated it, to make sure that the resulting SQL filter is accurate.

IY27780 Executed wsetemsg with several different values for the msg slot (i.e. "abc", " ", ""). Ensured that the slot value was set appropriately according to the added documentation comments.

IY28071 Forced data base shutdown and forced oserv shutdown/reexec while running automated tasks. Verified that the console would come up and show events in both priority and summary views.

IY18135 Setup a non-admin user and tried to execute the trouble ticket script. Ensured that the system correctly informs the user that admin authority is required.

IY20202 Tried to manually create an Oracle RIM object without the server ID set. Ensured that the system correctly halts the script and informs the user that the server ID is required.

IY22704 Verified that the user will not be allowed to remove the severity column from the Event Viewer display.

IY24964 Executed a script to continually send events to the Event Server and set up several automated tasks. Allowed system

to operate over several days and ensured that tec_console process did not continue to leak memory.

IY25651 Sent very large messages (1K, 2K, and 4K) by modifying the tecad_win.fmt file. Verified that the Windows log file adapter functioned correctly.

IY26465 Created a rule containing an attribute sequence. Sent events fitting the attribute sequence rule and ensured that they were correctly correlated according to the rule.

IY28434 Created a task with "_!_" in the name and one with a space (" ") in the name. Verified that after restarting the console you are still able to create operators.

IY28443 Created a task with a hyphen ("-") in the name and one with a space (" ") in the name. Verified that after restarting the console you are still able to create operators.

IY29351 Created an event storm (600+). Verified that the Windows log file adapter continued to function normally.

****
****

Regression Test Notes:

Fixpack 2 was subjected to the following regression testing:

1. The Tivoli Enterprise Console automated test suites repeatedly exercised the CLI functionality.

2. Ad-hoc functional and system tests exercised the TME Desktop, the TEC Console, and the NetView Consoles.

3. In addition to testing each APAR as written in all Tier 1 environments (and Tier 2 environments where specified), manual regression testing was performed for each APAR.

4. Specific tests with HP-UX 10.20 with JRE 1.18 were performed to ensure continued functionality.

Installation testing included an upgrade from Tivoli Enterprise Console 3.6.2 to 3.7.1, followed by an installation of Fixpack 2. Regression testing was then performed.
Fixpack 2 was installed on all supported platforms.

The regression testing focused on the following:

1. Verified that prior maintenance release fixes included in the fixpack still functioned as expected.

2. Verified that no new problems were introduced as a result of Fixpack 2.

Test Platforms:

AIX 4.3.2, 4.3.3
Solaris 2.6, 2.7
HP-UX 10.20, 11.0
Windows NT 4.0 Service Packs 5 and 6
Windows 2000
Red Hat Linux 7.0, 7.1
SuSE Linux 6.4, 7.0
Turbo Linux 6.0, 6.1
OS/2 Warp 4.5
Windows XP
SuSE Linux S/390

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Known Defects and Limitations:

****

ACF:

There is an issue with the Tier 2 .fmt files (adapter format files) when distributing through ACF. The following error message will display because the .fmt file location has changed to be in a language specific directory:

""acpmsg:0015
File /data/instdir/tmrbfg94/bin/generic_unnix/TME/ACF_REP/\
tecad_logfile_linux-ix86.fmt not a regular file"

To workaround this issue, perform the following steps:

1. Select Edit -> Profile.
2. Select the record to edit in the profile and select Edit -> Entry.
3. In the window "Edit Adapter #, Profile <profilename> click the Distribution button.
4. In Files To Be Distributed, select the file tecad_logfile.fmt=host:/path/to/tecad_logfile_linux-ix86.fmt.
5. Click the up arrow to edit the entry.
6. Change the path /path/to/tecad_logfile_linux-ix86.fmt to /path/to/tecad_logfile_linux-ix86_C.fmt.
7. Click the check mark to record the changes.
8. Change the file tecad_logfile.fmt to C/tecad_logfile.fmt.
9. Click the check mark to record the changes.
10. Click the Save & Close button.
11. Distribution should now perform successfully.

This workaround applies to all available language code sets (including C as in the example).

****

CLI Commands:

wrb:

The actions listed below will cause the following error when compiling the rulebase:

*** SYNTAX 196 *** Term expected

1. Using 'all_instances' or 'first_instance' predicates in the action of a timer rule.
2. Specifying 'of_class_<variable>' or the anonymous variable '_'.
3. Using a custom slot value in the 'where' clause.

Changing the '_', or '_<variable>' to the event class that the custom slot is defined in, or placing this within ['Class_name', 'Class_Name2'] will allow the compiler to run successfully. The wcomprules command can also be run to compile the rulebase.

*****

wtdbclear:

wtdbclear -e -p -t 0 returns an error.

****

DBCS (UTF8):

DBCS characters embedded in events become garbled after passing through tec_gateway.
(Fixed in 3.7.1-TEC-0024E)

****

EIF:

When a new line is appended to an ASCII log file, the entire contents of the file are sent.
(Fixed in 3.7.1-TEC-0019E)

****

Event Console:

On a Windows system, the tec_task.exe process can enter an infinite loop while processing NetView (ITS_) events. End the process with the Windows Task Manager if this occurs. If the problem re-occurs, it might be necessary to reboot the system to continue processing NetView events.

*****

Defining an automated task can prevent the console from loading more than 1400 events. To view all events, delete the automated task, and reload the events.

*****

On Windows NT systems, the Information button on the Event Viewer points to an invalid URL. It works correctly on Windows 2000 and UNIX.

*****

Configuring a task for a selected event on AIX and Solaris returns an error code of 0 when the Event Server is not running.

*****

The event filter in the print_cache rule does not work.

*****

"Null Pointer Exception" occurs in the console when the event server stops running.

*****

Selected events become deselected after a refresh interval.
(Fixed in 3.7.1-TEC-0020E)

*****

After restarting the Event Viewer, the Preferences window under the Edit menu does not work.
(Fixed in 3.7.1-TEC-0020E)

****

NetView Integration:

NetView Rule Set:

The current NetView rule set does not support virtual private networks.

*****

IBM Tivoli NetView Synchronization:

1. Events acknowledged in the event console might not propagate to the NetView console until the next polling cycle occurs.
Because immediate synchronization is dependent on SNMP traps that are sent to the NetView server, this behavior can occur more frequently when the NetView server and the event server are on different subnets and are separated by a fire wall.

2. For troubleshooting purposes, leave the internal IBM Tivoli Enterprise Console TEC_Start event open. This allows you to use the Task Output dialog to confirm whether the SNMP traps were sent to the IBM Tivoli NetView product. Also, be aware that a large number of tasks can be reported in this window.

3. Closing/Acknowledging a large number of events can slow, and possibly stop the event server. To avoid this, do not close more than 100 events from the Event Viewer at once.

*****

nvintegration.pdf:

Sections 4.2 and 4.2.2 in the nvintegration.pdf document incorrectly state that closed events are synchronized with the IBM Tivoli NetView product. This release only supports the synchronization of acknowledged events.

****

Rules:

The syntax checking of the rules compiler has been enhanced. Existing syntax errors in custom rules that have previously been undetected, may now be reported as errors.

*****

Uppercase slot names do not instantiate during rules operation.
(Fixed in 3.7.1-TEC-0026E)

*****

Rules containing an attribute filter with the attribute name enclosed in quotes, will not compile.
(Fixed in 3.7.1-TEC-0026E)

*****

exec_program does not pass arguments properly.
(Fixed in 3.7.1-TEC-0022E)

*****

Slot values specified as LIST_OF_STRING are not pulled from the object database properly.
(Fixed in 3.7.1-TEC-0026E)

****

Other:

The cr_tec_db.sh script fails on Windows NT when RIM is not present.

*****

SIS 3.7 fails to install versions 3.7.1 and 3.7.1-FP02 of the UI Server.

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