

IBM Tivoli Enterprise Console Version 3.6.2 Delta Fix Pack 31 Readme

Date: May 30, 2003

Name: 3.6.2-TEC-0031

Component: IBM Tivoli Enterprise Console Version 3.6.2

Important: This readme does not replace the IBM Tivoli Enterprise Console Version 3.6.2 Release Notes.

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

First Edition (May 2003)

This edition applies to version 3, release 6, modification 2 of IBM Tivoli Enterprise Console (product number 5697EAS) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About This Delta Fix Pack

Tivoli Enterprise Console 3.6.2 Delta Fix Pack 31 contains solutions from all interim fixes following 3.6.2-TEC-0024.

Delta Fix Pack Contents

The 3.6.2-TEC-0031.tar file containing:

- This readme file
- An image report for this delta fix pack
- A CD-ROM image for this delta fix pack

Note: The readme document is now provided in Adobe Acrobat format only.

Fixes Included In This Delta Fix Pack

3.6.2-TEC-0031 was installed on all platforms, both TME and non-TME, using SIS, CLI and GUI installation methods.

Regression testing verified that prior maintenance release solutions included in the fix pack continued to function as expected.

- APAR IY07641: The ACF does not distribute an adapter correctly if the default install path is changed.
- APAR IY15475: Software Distribution events are not cached when the event server is not running.
- APAR IY16030: The console holds several ports in the listen state when the event server is not running.
- APAR IY20113: Events are not forwarded to a secondary event server if the primary event server is not running.
- APAR IY21481: Events are not forwarded to the secondary event server specified in the `tec_forward.conf` file after applying 3.6.2-TEC-0006.
- APAR IY22402: Events containing long list attribute values generate errors when stored in the database.
- APAR IY22936: The `wtdbSPACE` command can generate errors when executed against an Informix database.
- APAR IY24367: The `logfile_gencds` command generates a `.cds` file without any error warnings when the `PRINTF` statement does not contain a variable.
- APAR IY25330: DBCS events containing Roman numerals appear garbled at the event server, due to deficiencies in the `eucJP` code set table provided by Framework. Note: This APAR solution applies to non-TME adapters only. 3.7.1-TMF-0093 can be applied to Framework 3.7.1 environments to resolve this issue.
- APAR IY26127: After applying 3.6.2-TEC-0006, new consoles do not open. Existing consoles appear to function normally after the upgrade.
- APAR IY26312: The gateway cache file, `tec_gateway.cache.@EventServer`, is not flushed when the gateway is running in connectionless mode.
- APAR IY29810: Rules no longer compile after applying 3.6.2-TEC-0024.
- APAR IY30163: The `tec_rule` process exhibits a memory leak.
- APAR IY30329: Event forwarding on Windows NT systems does not function after applying 3.6.2-TEC-0024.
- APAR IY30398: The Windows NT adapter does not stop after issuing the "net stop" CLI command.
- APAR IY30915: The `tecad_logfile` adapter does not start with the `-S` flag after distributing with this flag set.
- APAR IY31411: The "%s*" option in the `tecad_logfile.fmt` file does not always pattern match against a blank field of an incoming event after applying 3.6.2-TEC-0024.
- APAR IY31542: The Windows NT adapter terminates and generates a Dr. Watson error after applying 3.6.2-TEC-0024.
- APAR IY31559: When the Windows NT adapter is configured to filter out events with `EventID=0`, all events from the same source are also filtered.
- APAR IY31847: When the last updated time of a log file is updated, all events are sent to the event server, resulting in duplicate events.
- APAR IY32921: After specifying a file with the `LogSources` keyword in the adapter configuration file, the adapter does not start.
- APAR IY34230: After applying 3.6.2-TEC-0024, events sent via the `wpostesmsg` command between different brands of UNIX are cached.
- APAR IY34289: When a rule is configured to forward events, the `tec_rule` process can generate a `SIGSEGV` violation causing the event server to terminate.
- APAR IY35794: After applying 3.6.2-TEC-0024, a useless action is required in order for the `restrict_current_event` predicate to return correctly.

- APAR IY38299: Events sent with the postmsg command (managed node or TME endpoint) are cached in the file specified with the BufEvtPath keyword, and are not received by the event server.
- APAR IY24014: The AIX log file adapter exhibits a memory leak.
- APAR IY27504: The SNMP adapter stops processing events after receiving a trap with an invalid data type.
- APAR IY30402: The endpoint adapter must be restarted after restarting the lcf process to avoid event character corruption.
- APAR IY38262: The silent install of the non-TME Windows NT adapter requires user intervention to close a pop up warning box.

Supported Platforms

Notes:

- Please consult the Tivoli Enterprise Console version 3.6.2 release notes for information regarding software requirements and supported platforms.
- Tivoli Management Framework version 3.7.1 does not allow for RIM hosts to be configured on Linux.
- Tivoli Management Framework version 3.7.1 does not support DB2 RIM objects on HP-UX version 11.

Supported Platforms Update:

- AIX 5.1
- Solaris 2.8
- Windows 2000
- Oracle 8.1.7
- DB2 Versions 7.1 and 7.2
- Informix 9.2
- MS SQL Server 2000 (SP3)
- Sybase 12.5

IBM Tivoli Application Compatibility Update:

- IBM Tivoli Management Framework 3.6.x, 3.7.x, 4.1
- IBM Tivoli Software Distribution 4.1

Installation and Configuration

Installation Order

Tivoli Enterprise Console Server
 Tivoli Enterprise Console Console
 Tivoli Enterprise Console Adapter Configuration Facility

Installation Instructions

Note: Read all Delta Fix Pack Notes prior to installation.

The following prerequisites are required to install 3.6.2-TEC-0031:

- Tivoli Enterprise Console version 3.6.2
- Tivoli Enterprise Console 3.6.2 patch 24 (3.6.2-TEC-0024)

The following service releases are recommended when using Tivoli Enterprise Console in a Tivoli Management Framework version 3.7.x environment:

- IBM Tivoli Management Framework patch 93
(3.7.1-TMF-0093)
See note following APAR IY25330 description for details

All service releases are available from the IBM/Tivoli Support FTP site:
ftp.software.ibm.com/software/tivoli_support/patches

Note: In order to maintain custom configurations, the following files should be backed up prior to, and restored after successfully installing this delta fix pack.

- **.tec_config**
- **All customized format files**
- **Tivoli Object Database**

(Restore the Object Database only in the event the current database becomes corrupt during installation)

IMPORTANT:

- The minimum requirements specified in the Tivoli Enterprise Console version 3.6 Release Notes must be met prior to installing this delta fix pack.
- Before applying this delta fix pack, stop the event server.

1. Extract the fix pack:

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 3.6.2-TEC-0031.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 the drive letter where %PATCH% is found.

```
%SystemRoot%\system32\drivers\etc\Tivoli\setup_env
X:
> cd %PATCH%
> tar -xvf 3.6.2-TEC-0031.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 fix pack.

IMPORTANT: The following SIS patch, available from the Tivoli Support FTP site, is required when installing via SIS version 3.7:

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 3.6.2-TEC-0031 using the file browser, and select the PATCHES.LST file by double-clicking it.
- g) Select 3.6.2-TEC-0031 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 3.6.2-TEC-0031 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 3.6.2-TEC-0031 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 3.6.2-TEC-0031 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 fix pack using the classic Tivoli installation mechanism.

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

- a) Select Desktop -> Install -> Install Patch from the Tivoli Desktop tool bar 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 fix pack, \$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 fix pack. Select the fix pack by clicking on it.
- f) Select the clients to install this fix pack on. Fix packs typically need to be installed on the Tivoli server and on each Tivoli client.
- g) Click the Install button to install the fix pack.

4. Restart the event server after successful installation of the fix pack.

5. Redistribute all ACF adapters and tec_gateway profiles.

Delta Fix Pack Notes

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

- Occasionally the adapters on UNIX systems will start with an incorrect environment variable set, resulting in the corruption of some events. This happens when the adapter process starts before the adapter initialization scripts update the environment variables. (APAR IY30402)
Work Around: Modify the lcf.d.sh and init.tecad_logfile.sh scripts to include the following line:

```
unset LC_MESSAGES
```

- To ensure proper adapter behavior, always insert a carriage return after the last line of the adapter configuration file. Failure to do so will prevent this line from being processed. (APAR IY44220)
- A new adapter configuration file keyword is available for all UNIX and Windows adapters. The **NewLogBasedOn** keyword controls when a monitored log file is considered new, and all entries are processed by the adapter. By default, the adapter only processes the entire file when the file size decreases. The following values can be used: (APAR IY31847)

```
NewLogBasedOn=[ctime | mtime | cmtime]
```

or

```
NewLogBasedOn=[CTIME | MTIME | CMTIME]
```

CTIME File is considered new when the creation time is updated

MTIME File is considered new when the modification time is updated

CMTIME File is considered new when either the creation or modification time is updated

Note: These values are all valid on Windows platforms. On UNIX platforms, only the modification time of a file is checked, thus only **MTIME** will change the behavior.

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