

IBM Tivoli Enterprise Console Version 3.9.0 Fix Pack 1 Readme File

Date: May 14, 2004

Name: 3.9.0-TEC-FP01

Component: IBM® Tivoli Enterprise Console® Version 3.9.0

PTF Number: U497752

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

First Edition (April 2004)

This edition applies to version 3, release 9 of IBM Tivoli Enterprise Console (product number 5698-TEC).

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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 format only.

Fix Pack Contents

The 3.9.0-TEC-FP01 fix pack contents are shipped in the 3.9.0-TEC-FP01.tar file. The file provides the following:

- This Readme file
- An image report for this fix pack
- The CD-ROM image of this fix pack

Patches Superseded By This Fix Pack

The following patches are superseded by this fix pack:

- 3.9.0-TEC-0001
- 3.9.0-TEC-0002LA
- 3.9.0-TEC-0003LA
- 3.9.0-TEC-0004LA

Supported Operating Systems and Databases

The section lists the platforms and databases 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 5.1C (32 bit)	X	X	X	X	X
AIX 5.2 (32, 64 bit)	X	X	X	X	X
Solaris ¹ 8 (SPARC)	X	X	X	X	X
Solaris 9 (SPARC)	X	X	X	X	X
HP-UX 11 (SP1)	X	X	X	X	X
HP-UX 11i (32, 64 bit)	X	X	X	X	X
Windows® 2000 Professional (SP1/3)	X	X	X	X	X
Windows 2000 Server	X	X	X	X	X
Windows 2000 Advanced Server (SP3)	X	X	X	X	X
Windows XP Professional (SP1)			X		X
Windows 2003 Server	X	X	X	X	X
Red Hat Advanced Server 2.1 (IA32)	X	X	X	X	X
Red Hat Enterprise Linux 3	X	X	X ³	X	X
SUSE Linux Enterprise Server (SLES) 7.0, 7.1 (IA32)	X	X	X	X	X
SLES 7.0 (S/390 & zSeries 7.0)	X	X	X	X	X
SLES 8 (IA32) (Powered by UnitedLinux 1)	X	X	X	X	X
Turbo Linux 7.0 (IA32)	X	X	X	X	X
OS/400 5.1, 5..2			X		
Novell NetWare 5.1, 6.0			X		
Compaq Tru64 5.1b			X		
SGI IRIX 6.5.x			X		
SCO UnixWare 7.1.1, 7.1.3			X		
Solaris 7, 8 (IA32)			X		
Sequent Dynix / PTX 4.5.2			X		
Siemens Reliant UNIX 5.4.5			X		

Notes:

1. Solaris refers to the Solaris Operating Environment and will hereinafter be referred to as Solaris.
2. This platform support table is based on information available at the time of this fix pack release. This table has been updated to reflect 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.
3. See the “Fix Pack Notes” section for more information about Red Hat Enterprise Linux 3.

RDBMS Vendor	Version
IBM DB2®	7.2 (FP7), 8.1 (FP2)
Oracle	9i, 9i v2
Sybase	12, 12.5
Microsoft SQL Server	7.0, 2000
Informix®	9.3

Note: IBM Tivoli Data Warehouse (TDW) Version 1.2 support will be available in a future interim fix. Support for IBM TDW 1.2 is not available with this fix pack.

New In This Fix Pack

The section provides information about changes that have been made to the Tivoli Enterprise Console product.

- The non-TME® version of the event console can now be installed on any supported Microsoft Windows® system without using the installation wizard. For more information, see the “Documentation Updates section” of this Readme file.
- The triggerMode attribute is a new optional attribute on the resetOnMatch and passthrough rule types. This provides additional flexibility, because you can now choose which events get sent to the rule actions instead of always sending the first event. For the passthrough rule, the triggerMode sending modes perform the following functions when the passthrough rule completes and sends events to its defined actions:

firstEvent

This sending mode sends the trigger event that starts the event sequence. This is the default mode.

lastEvent

This sending mode sends the event that completes the event sequence.

allEvents

This sending mode sends all events for the completed event sequence.

For the resetOnMatch rule, the triggerMode sending modes perform the following function when the resetOnMatch rule timer expires and sends events to its defined actions:

firstEvent

This sending mode sends the trigger event that starts the event sequence. This is the default mode.

lastEvent

This sending mode sends the last event that was received during the time window.

allEvents

This sending mode sends all events that match the event sequence and were received during the time window.

- A new Event Integration Facility API keyword, **ReadRetryInterval**, is used to configure the timeout value that is used by the Event Integration Facility API when a partial event is received.

ReadRetryInterval

This keyword specifies the timeout value that is used by the Event Integration Facility API during the reception of partial events. The default value for this keyword is 120 seconds.

When the Event Integration Facility sender works with events that are larger than 2 KB, it divides the event into two packets that are delivered on the socket connection. If the Event Integration Facility receiver determines that the event is a partial event, it waits for the period of time that is specified by this keyword before it retrieves the second packet and completes the process. If the second packet is not received during this period of time, the partial event that was received is discarded and a message is written to the log.

- The following keywords are available in the Event Integration Facility 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 Event Integration Facility 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.

- A new version of the **wstop Tecgw** command has been created to stop a Tivoli Enterprise Console gateway that is installed on a managed node. The new version of the **wstop Tecgw** command is installed on a managed node and the existing version of the **wstop Tecgw** command is installed on endpoints. The appropriate **wstop Tecgw** command is automatically called when a tec_gateway profile is distributed to either a managed node or to an endpoint. See the documentation updates section below for more information.

Note: A problem with the Tivoli Management Framework prevents the distribution of the tec_gateway.conf profile for Tivoli Management Framework, version 4.1 installations. To prevent this problem, issue the following command before you distribute the profile:

```
ln -s $BINDIR/bin/wdiff /usr/local/bin/wdiff
```

Fix Pack Notes

Read the following notes prior to installing the fix pack. You should also read the Documentation Updates section for information about changes that have been made to the documentation.

- When an endpoint or non-TME adapter is installed on a Red Hat Enterprise Linux 3 system, the following error might be generated:

```
error while loading shared libraries: libstdc++-libc6.2-2.so.3: cannot open
shared object file: No such file or directory
```

To resolve this problem, install the compat-libstdc++-7.3-2 package that is available on the Red Hat Enterprise Linux 3 installation media. For Red Hat Enterprise Linux 3 for PowerPC distribution, this compatibility library package is not part of the installation media and can be found on the Update 1 CD.
- For information about the tec_gateway_sce adapter configuration profile and its role in controlling event traffic at the gateway, see the version 3.8 *IBM Tivoli Enterprise Console Event Integration Facility User's Guide*.
- When you are installing a non-TME adapter for Windows platforms in a non-English locale, the system must be restarted to load the updated environment variables.
- When using the state-based correlation engine (SCE) and filtering at the gateway, the following configuration option should be set in the IBM Tivoli Management Framework event sink configuration file (eventsink.cfg):

```
MAX-NUM-EVENTS-TO-SEND=1
```
- Using the wsetmsg command to set the status of an event to ACK multiple times is no longer permitted by default. You must now use the -f flag to acknowledge an event that already has a status of ACK.
- The **re_generate_event_conf** predicate is similar to the generate_event predicate, with the addition of a configuration file argument.

Description: Generates an internal event of event_class with attributes 'list_of_event_attributes' and forwards it to the "ServerLocation" specified in a configuration file.

Synopsis: re_generate_event(conf_file, event_class, list_of_event_attributes)

Arguments:

 - conf_file
File containing the location of the destination server
 - event_class
The event class for the generated event.
 - list_of_event_attributes
The attributes for the generated event. The attributes must be specified in a list using the following format:
[attribute1=value1, attribute2=value2,...]

(Example on next page)

Example: The following example generates an event of class TradingDBDown with 4 attributes and sends it to server xyz:

```
*****
CONFIGURATION FILE: gen_event.conf
                ServerLocation=xyz.abc.com
                BufEvtPath=/tmp/evtbuffer
                .
                .
                .
*****
```

```
rule:
create_TradingDBDown:
(
event: _event of_class 'NV6K_Application_Down_Event',
reception_action: generate:
(
re_generate_event_conf('/usr/local/gen_event.conf',
'TradingDBDown ',
[source='NV6K',
origin=_origin,
hostname=_host,
msg='Trading DB host is down ']
),
drop_received_event
)
).
```

- When the **BufEvtMaxSize** configuration option is used (for adapters or EIF), the minimum value must be at least 8Kb. When the value is not specified, the default size is 64Kb.

Installation and Configuration

This section provides installation information for the 3.9.0-TEC-FP01 fix pack for the IBM Tivoli Enterprise Console Version 3.9.0.

Prerequisites

IBM Tivoli Enterprise Console Version 3.9.0

IBM Tivoli Management Framework Versions 3.7.1, 4.1, or 4.1.1

IBM Tivoli NetView Versions 7.1.2, 7.1.3, or 7.1.4 if you want to use the IBM Tivoli NetView product functions that are provided with the Tivoli Enterprise Console product.

IBM WebSphere Application Server Versions 5.0.1 or 5.0.2, when the IBM Tivoli Enterprise Console web console is going to be installed.

Note: Please refer to the IBM WebSphere Application Server Getting Started manual for further information regarding the WebSphere Application Server installation.

To view the web console, use one of the following web browsers:

Microsoft Internet Explorer 6.0 or later

Netscape 6.x beginning with 6.2. (Netscape 7.x is not supported)

Note: IBM Tivoli Data Warehouse (TDW) Version 1.2 support will be available in a future interim fix. Support for IBM TDW 1.2 is not available with this fix pack.

The following table lists the recommended patches for each version of the Tivoli Management Framework product and the specific installation scenarios.

IBM Tivoli Management Framework Version	Patches
3.7.1	3.7.1-TMF-0098, 3.7.1-TMF-0110, 3.7.1-TMF-0124, 3.7.1-LCF-0013
4.1	4.1-TMF-0014, 4.1-TMF-0034 4.1-TMF-0015 (Linux PPC support)
4.1.1	4.1.1-TMF-0005 (Required to install IBM Tivoli Enterprise Console on systems with Red Hat Linux Advanced Server 2.1 installed)

Installation Scenarios	Patches
To utilize single port bulk data transfer, BDT	3.7.1-TMF-0097
Installing the OS/2 TME adapter	3.7.1-TMF-0099
Installing with Software Installation Services, SIS, version 3.7.1	3.7.1-SIS-0005
Installing with Software Installation Services, SIS, version 4.1	4.1-SISCLNT-0002, 4.1-SISDEPOT-0002

Installation instructions

This section provides information about installing this fix pack.

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 variable PATCH points to this temporary directory.

```
cd $PATCH
tar -xvf 3.9.0-TEC-FP01.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 variable %PATCH% points to this directory, and X is the drive letter where %PATCH% is found.

```
%SystemRoot%\system32\drivers\etc\Tivoli\setup_env.cmd
X:
> cd %PATCH%
> tar -xvf 3.9.0-TEC-FP01.tar
```

Note: If you extract the TAR image on a Windows system, the executable file for the TAR utility is in the Tivoli bin/w32-ix86/tools/tar.exe installation directory.

2. The following instructions are for using the Software Installation Service (SIS). If you do not use the SIS, go to step 3. SIS can install Tivoli Software products on most hardware platform supported by Tivoli Software; however, there is 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 to install this fix pack.

- a) From the Tivoli desktop pull-down 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 3.9.0-TEC-FP01, and double-click the PATCHES.LST file.
- g) From the Import Product window, select 3.9.0-TEC-FP01, and then click **Import**.
- h) From the Global Progress window, click **OK** after the file is imported.
- i) From the Select Product window, select 3.9.0-TEC-FP01 and click **OK**.
- j) From the Install Spreadsheet window, click **Select Machine**.
- k) Select the machines you would like to install 3.9.0-TEC-FP01 on, and click **OK**.
- l) From the Install Spreadsheet window, select the appropriate cells.

NOTE: An X is displayed in the cells for the machines on which the 3.9.0-TEC-FP01 fix pack will be installed.

- m) Click **Install**.

n) From the Installation Algorithm window, select the install algorithm you want to use and click **OK**. SIS performs the installations you 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 fix pack, \$PATCH, 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 to install the fix pack on. Fix packs typically need to be installed on the Tivoli server and on each Tivoli client.
 - g) Click **Install**.
4. The fix pack installation is complete. Restart the event server.

An updated IBM Tivoli Data Warehouse rule file, warehouse.rls, has been included with this fix pack. To install this file, execute the following script:

```
$PATCH\TEDW\ec1\pkg\v39010\misc\rules\installpatch.sh
```

Note: The file warehouse.rls can be found in the same directory as the installation script, installpatch.sh.

APAR fixes included with this fix pack

The section provides a description and the resolution of the APAR fixes that are provide by the 3.9.0-TEC-FP01 fix pack.

APAR: IY22158

Symptom: The OS/2 adapter process ID lock file is not deleted when the **tecadini.sh stop** command is issued.

Resolution: The adapter unlocks the file when the system shuts down so the file can be deleted.

APAR: IY34268

Symptom: Task results are not reported to the tec_dispatch process because the TISDIR environment variable not being set correctly in the Tivoli Management Framework environment.

Resolution: The tec_task process was modified to report task results to the tec_dispatch process.

APAR: IY35199

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

Resolution: The rule compiler was modified 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, console performance declines.

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

APAR: IY36663

Symptom: When the **wconsole** command is issued from the command line with a password that is not valid, a login window is displayed and an error code is not returned.

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

APAR: IY37101

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

Resolution: All task library entries are displayed when the task execution menu is opened.

APAR: IY37108

Symptom: For event consoles running on Windows 2000 systems, if the UI Server goes down and you start the Event Viewer, a UI server error message is displayed. However, if you display a different window and then redisplay the Event Viewer, the Event Viewer does not respond and the UI server error message can only be displayed using the Alt and Tab keys. Once the UI server error message is displayed, you can 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: 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: IY37772

Symptom: The event console incorrectly displays end-of-line and control characters as small boxes.

Resolution: End-of-line and control characters are now displayed correctly.

APAR: IY38047

Symptom: The task execution GUI displays the host names of all events instead of only the endpoints that are specified by the 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: Event server (and oserv) error messages are not displayed in the console summary view or priority view.

Resolution: The appropriate error message is displayed in a pop-up message box when such an event occurs.

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 successfully forwarded to the event server. If a slot value exceeds the internal limit, an error message is generated in the tec_rule logfile and the event server continues to function correctly.

APAR: IY39339

Symptom: Multiple clearing events that are created by the create_clearing_event() predicate cannot be created 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: IY39436

Symptom: The component specifier %s is incorrectly processed by UNIX logfile adapters.

Resolution: The delimiting character used at the end of a message has been modified to allow the proper processing by the adapter.

APAR: IY39758

Symptom: On Linux platforms, 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 is not started 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: IY39827

Symptom: The role authorizations of an Event Group can be modified from the 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 will now change the authorization to admin and user:

```
wconsole -assigneg -h host -u user -p password -C Consoe11 -E EG1 -r admin:user
```

APAR: IY40622

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

Resolution: The first column of the event viewer is now sorted correctly.

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: 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: A memory leak causes the Solaris adapter to end abnormally and generate a core file when reading events from a custom event source.

Resolution: A memory leak in the adapter was resolved.

APAR: IY41592

Symptom: For AIX®, when the system is turned off, the operating system stops the adapter without calling a script to stop the adapter.

Resolution: The **init.tecad_logfile stop** command was added to the **/etc/rc.shutdown** script.

APAR: IY41667

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

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

```
-tmp_msg $1
```

```
msg PRINTF("'%s'", tmp_msg)
```

APAR: IY42235

Symptom: The DBCS administrator name is incorrectly displayed in the event console. 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 DBCS environments.

APAR: IY42237

Symptom: Rule compilation fails with a lexical parsing error if the action body in the rule contains a `first_instance()` predicate that contains a `)` character as part of a quoted string.

Resolution: Rules using a `first_instance()` predicate, containing a `)` character, compile correctly.

APAR: IY42463

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

Resolution: An updated version of JCF is provided to improve the functionality of systems with multiple network adapters.

APAR: IY42694

Symptom: Events that are 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 quotations marks if a parenthesis is found.

APAR: IY42754

Symptom: `TEC_DB` events that originate in a Japanese locale are not displayed correctly in the event console.

Resolution: The `tec_dispatch` process notifies the event integration facility that an incoming event is already in UTF8 format to prevent multiple UTF8 conversions.

APAR: IY43235

Symptom: `REAL` type attributes with locale specific decimal separators might cause the `tec_dispatch` process to exit with a segmentation violation.

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

APAR: IY43295

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

Resolution: The rule parser has been updated to correctly process non-English text in rules.

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: IY43702

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 the task choice lists that are maintained in external files.

APAR: IY43799

Symptom: The `wsetemsg` client command allows an event to be set to `ACK` status multiple times.

Resolution: Setting the event status to `ACK` multiple times is no longer permitted by default. You must now use the `-f` flag to acknowledge an event that already has a status of `ACK`.

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: IY44435

Symptom The `wtdbclear` client command does not detect errors on a Sybase database and fails to clear events.

Resolution: The problem with stored procedures on Sybase was fixed. For this change to take affect, you must reinstall the IBM Tivoli Enterprise Console database using the Installation Wizard (or manually via the generated scripts).

APAR: IY44517

Symptom: On HP-UX systems, when rule base tracing is enabled or when the `convert_local_time` or `get_local_time` predicates are called, a `/TMP/KIRKDB.txt` file 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: 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: 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: IY45167

Symptom: Some characters that are displayed in the graphical rule builder are displayed incorrectly.

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 written to the trace file and the event is sent. Slots that exceed the maximum string length are replaced by an empty string.

APAR: IY45756

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

```
RIM access error -quitting
```

Resolution: The problem with the **wtdbspace** 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 with temporary allocation not being freed was corrected.

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: 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 characters that have the same ASCII code as the backslash character: x5C and 5C.

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

APAR: IY46556

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

Resolution: The tec_disable_exponential_format configuration setting now allows real numbers to be formatted in either exponential or floating point format.

APAR: IY46725

Symptom: Valid events are discarded from the event server due to PARSING_FAILED errors.

Resolution: The timestamp for incoming events was incorrectly checked against the tec_rule_cache_full_history configuration parameter which caused some events to be discarded. Incoming event timestamps are no longer checked.

APAR: IY46751

Symptom: The error messages displayed in the tec_gateway process trace file are misleading.

Resolution: The error messages have been updated to provide more accurate information.

APAR: IY46770

Symptom: Pop-up messages in the event console generated by the **wsendresp** command keep actions from being performed in the 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 Event Integration Facility tec_put_event() application programming interface (API) call if connection problems occur during event processing.

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

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: IY46977

Symptom: Rules compiled without tracing enabled might have parsing errors when comit_rule 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: 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 "New In This Fix Pack" section for more information.

APAR: IY47552

Symptom: When DRVSPEC tracing is enabled for the SNMP logfile adapter, an incorrect v1 trap or any non v1 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: IY47646

Symptom: Non-TME events are lost when the Tivoli Enterprise Console server that is running on a UNIX platform is shut down.

Resolution: The tec_server process has been modified to prevent event loss during the event server shutdown sequence on a UNIX platform.

APAR: IY47708

Symptom: When one or two events are selected and the ACK or CLOSE push buttons are used in the Java® Console GUI, the push buttons are unavailable for 8 seconds.

Resolution: The buttons are now available for immediate use if only one or two events are selected.

APAR: IY47948

Symptom: When you run the **wtdbspace -T** command to limit the display of data to the Tivoli Enterprise Console table spaces, data is not displayed in the correct order.

Resolution: The variable name was overwritten which created a reference to the wrong table space. This problem has been corrected.

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: IY48053

Symptom: The SCE drops events that are received by the event sink, because they are not formatted correctly.

Resolution: The tec_gateway process has been modified so that the SCE does not drop events. In addition, a configuration parameter must be configured. 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 Tivoli Enterprise Console, Version 3.9, the startup information was moved to the rc.tecad_logfile file; however, the autostart information was not removed from the rc.nsf file, and error messages are written to the log.

Resolution: The autostart information has been removed from the rc.nsf file.

APAR: IY48310

Symptom: The logfile format editor does not perform pattern matching consistently.

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

APAR: IY48508

Symptom: A Java exception can be thrown when a rule base is compiled as follows:

1. A data file is imported into a rule base target (such as rule_sets_EventServer)
2. A rule pack is later imported into the same rule base target, and the rule base pack is positioned after the data file entry in the rule base target file.

Resolution: A rule base will now compile 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.

APAR: IY48565

Symptom: The **wrb -imptgtdata** command fails to import a data file correctly.

Resolution: The command now imports the data file correctly. See the Documentation Updates section for more information about the **-imptgtdata** option of the **wrb** command.

APAR: IY48723

Symptom: The enumeration ID for custom statuses is displayed in the Hide Status icon.

Resolution: The status is now displayed. Pause the cursor over the icon to display the complete status text.

APAR: IY49078

Symptom: The Tivoli Enterprise Console Java Event Integration Facility libraries block infinitely on TECAgent.sendEvent() call if the cache.dat file is corrupt.

Resolution: The corrupt 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 text is incorrectly displayed in the graphical rule builder Conditions Synopsis and Action Synopsis fields.

Resolution: The non-English 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.

The following error is displayed:

```
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: IY49600

Symptom: The tec_dispatch process ends abnormally when events are modified using the event console.

Resolution: Events can now be modified without the tec_dispatch ending abnormally.

APAR: IY49463

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

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

APAR: IY49711

Symptom: The tec_dispatch process ends abnormally 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 CPU resources when it flushes a corrupted cache file.

Resolution: The cache file is now truncated to reduce CPU utilization.

APAR: IY50024

Symptom: The adapter *_gencds command is slow to produce a .CDS file.

Resolution: Command processing was changed to make .CDS file generation faster.

APAR: IY50115

Symptom: The Java event console can generate the following error when using single port bulk data transfer 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 the Tivoli Enterprise Console product to correct this problem.

APAR: IY50466

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

Resolution:

APAR: IY50558

Symptom: The tec_rule process ends abnormally while stopping the event server when several thousand events are cached.

Resolution: The cached events are processed accordingly, and the tec_rule process exits successfully.

APAR: IY50909

Symptom: The Tivoli Management Framework files_transfer function fails when the log file format editor is started in the following environment:

- The ACF is installed on a UNIX managed node
- The TMR server is installed on a Windows platform
- 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 log file format editor is closed correctly and an error is not displayed.

APAR: IY50978

Symptom: Changes made in an ACP profile are not made to copies of the profile when it is distributed.

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

APAR: IY51105

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

Resolution: Processing was changed to improve the time that is required to start an adapter.

APAR: IY51189

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

Resolution: The output is now correctly displayed.

APAR: IY51190

Symptom: The getport_timeout_seconds, getport_timeout_usec, getport_total_timeout_seconds, and getport_total_timeout_usec configuration settings do not function correctly.

Resolution: These configurations are now correctly implemented instead of the system default timeout previously used.

APAR: IY51376

Symptom: Adapters do not read log files correctly when the LogSources configuration keyword is specified and the file name contains the question mark (?) pattern matching character.

Resolution: File names specified using pattern matching characters are now found.
APAR: IY51458
Symptom: IBM Tivoli Risk Manager incident summary events can cause high CPU utilization by the tec_dispatch process due to superfluous extended slot updates.
Resolution: The extended slots are no longer updated when the data has not changed.
APAR: IY51718
Symptom: The **wconsole -lsooperator -a** command output lists operators that are assigned to consoles, but they are not listed in the **wconsole -lconsole -a** command output.
Resolution: Operators are now listed in the listed in the **wconsole -lconsole -a** command output.
APAR: IY52041
Symptom: Installation of ITEC version 3.9 fails when IBM Tivoli Management Framework version 4.1.1 is installed.
Resolution: ITEC version 3.9 successfully installs on Framework 4.1.1.
APAR: IY52318
Symptom: The Windows adapter prefilter function does not filter based on the event type.
Resolution: The prefilter function on Windows adapters now functions correctly.
APAR: IY52333
Symptom: Creating operators in the event console can cause other operators to be assigned.
Resolution: Operators are not unassigned when an operator is assigned.
APAR: IY52367
Symptom: The UNIX adapters can fill up the /tmp file system due to continuous output to the /tmp/.tivoli/.tecad_logfile.lock.<hostname>.<id> file.
Resolution: Only the PID is written the the aforementioned file.
APAR: IY52425
Symptom: The UNIX log file adapters monitor syslog events regardless of the -S parameter specified in the configuration file.
Resolution: The adapters correctly recognize the -S configuration parameter and monitor or ignore syslog events accordingly.
APAR: IY52514
Symptom: The Windows adapter does not match event log events. The “%S*” format specifier must be used, however this does not always map the data to the correct event attributes.
Resolution: The Windows adapter now matches characters in multi-line events correctly.
APAR: IY52787
Symptom: The cache is not flushed when the Java Event Integration Facility 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 Event Integration Facility is disconnected.
APAR: IY52997
Symptom: Logfile adapters end abnormally when they are started if the file specified by the LogSources keyword does not exist.
Resolution: The logfile adapters do not end abnormally and an error message that describes the problem is displayed.
APAR: IY53702
Symptom: When the WebSphere Application Server (WAS) 5.0 FP02 is upgraded to version to 5.0.2, the web console does not function correctly and an error message is displayed.
Resolution: The back-end web console software has been updated to interact correctly with WAS 5.0.2.
APAR: IY53153
Symptom: When specifying a LogSource entry, events are left in the syslog pipe file on the AIX 5.2 operating system.
Resolution: The adapters now use two named pipes, rather than one named pipe and one unnamed pipe. This enables the adapter to process all of the corresponding events correctly.
APAR: IY54334
Symptom: Nested ACP profiles are not deleted on endpoint adapters.
Resolution: Nested ACP profiles are now deleted on endpoint adapters.
APAR: IY54997
Symptom: An adapter can stop sending events while monitoring a LogSources file when more than one adapter thread attempts to access the same data at the same time. When this occurs, the cache tail pointer is set to zero.
Resolution: A lock was implemented to prevent more than one thread from accessing the same data at the same time.
APAR: IY55723
Symptom: When multiple adapters are installed, and one is removed, the corresponding startup script entry is not updated correctly (ie. /etc/init.d/tecad_logfile).
Resolution: The startup script is now updated correctly when an adapter is removed from a multiple adapter environment.

Known Limitations

Limitation: The following error can occur when using the wtldb space command from an event server connected to a Sybase RDBMS server:

THE RDBMS SERVER CALL HAS FAILED.

Workaround: No workaround is available.

Limitation: The StateCorrelationConfigURL generated when a tec_gateway_sce profile is distributed from a UNIX TMR server to a Windows end point begins with file:// instead of file:.

Workaround: After distributing the profile, modify the tec_gateway.conf file as follows:

Original-

```
StateCorrelationConfigURL=file://$TIVOLIHOME/tec/tecroot.xml
```

New-

```
StateCorrelationConfigURL=file:$TIVOLIHOME/tec/tecroot.xml
```

Problem: State Correlation does not function on the Red Hat Advanced Server (AS) 2.1 operating system.

Workaround: Set the LD_ASSUME_KERNEL environment variable as follows:

```
LD_ASSUME_KERNEL=2.2.5
```

Note: This workaround might not apply to Red Hat AS 2.1 systems configured with IBM Tivoli Management Framework version 4.1.1 because a value is already assigned to the LD_ASSUME_KERNEL environment variable.

Limitation: The IBM Tivoli Enterprise Console adapters (TME and non-TME) are not compatible with Red Hat Enterprise Linux 3.0 installed on a 64-bit Intel Itanium class server.

Limitation: The list of available hosts displayed during a task execution on the web console does not contain a complete host list, as seen in the Java console. It should be noted that the "Refresh Host List" button is not currently available in the web console.

Workaround: No workaround is available.

Limitation: Under certain circumstances, compiling a rule set containing the netware.rls rule file can generate the following error:

```
"Translating to prolog" step of the netware.rls ruleset.
```

```
Exception in thread "main" java.lang.StackOverflowError
```

```
at com.oroinc.text.regex.Perl5Matcher._pushState(Perl5Matcher.java)
```

```
at com.oroinc.text.regex.Perl5Matcher._match(Perl5Matcher.java)
```

```
at com.oroinc.text.regex.Perl5Matcher._match(Perl5Matcher.java)
```

```
at com.oroinc.text.regex.Perl5Matcher._match(Perl5Matcher.java) ... ..
```

```
Note: The specific rule that causes this error is novell_duplicate_minor_events.
```

Workaround: No workaround is available.

Limitation: The refresh rate for the event viewer in the web console is set to a minimum of 5 minutes. This interval cannot be reduced.

Limitation: (APAR: IY55401) While monitoring syslog and a file specified with the LogSources option, a UNIX log file adapter can stop sending events to the event server.

Workaround: An IBM Tivoli Enterprise Console interim fix (3.9.0-TEC-0005LA) will be released, providing a solution to IY55401. This interim fix can be applied after installing 3.9.0-TEC-FP01.

Limitation: Under certain conditions, the UNIX log file adapters can stop sending events to the event server. This issue is related to IBM Tivoli Management Framework APAR IY53132.

Workaround: To resolve this, apply the patch below that corresponds to the current version of IBM Tivoli Management Framework currently installed.

3.7.1-LCF-0018 or 3.7.1-TMF-0129 (Scheduled to release by the end of Q2 2004)

4.1-LCF-0024 or 4.1-TMF-FP02

4.1.1-LCF-0002 (Scheduled to release by the end of Q2 2004)

Documentation Updates

- The "Installing the event console" section on page 40 of the *IBM Tivoli Enterprise Console Installation Guide* should be updated as follows:

Installing the event console using the installation wizard

1. Click **Install, upgrade or uninstall components in a Tivoli environment**, and click **Next**.
2. After the wizard searches for installed components (it will find none), click **Next**.
3. Click **Install IBM Tivoli Enterprise Console 3.9 components**, and click **Next**.
4. Click **Event console** and then click **Next**:

5. If your environment contains more than one managed node, the installation wizard displays several managed nodes to choose from. However, because this installation is for a single machine, the steps are not displayed. A list of rule sets to be activated is displayed and they are all selected. To continue without deactivating any rule sets, click **Next**.
6. Click **Next** to continue without changing any of the event server start options.
7. Click **Next** to continue without selecting language packs.
8. Review your selections and then click **Next**.
9. Insert the Tivoli Enterprise Console installation CD and click **Next**.
10. After reviewing the installation messages, click **Next**. The main installation window is displayed.

Installing the event console using the stand-alone installer

The stand-alone installation of the non-TME event console for Windows systems is now available with this fix pack. This provides the ability to install the event console without using the installation wizard.

Run the following command to install the event console without using the installation wizard:

```
%PATCH%\NON_TME\W32-IX86\setupwin32.exe
```

- The `-imptgtdata` option of the `wrb` command in the 3.9 version of the *IBM Tivoli Enterprise Console Command and Task Reference*, on page 78, should be updated as follows:

-imptgtdata *data_file target rule_base*

Imports a supporting data file into a rule base target. This file must already exist in the `TEC_RULES` subdirectory, and 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 will receive the imported data file.

rule_base

Specifies the name of the rule base that contains the target.

- The following information about the new version of the `wstoptecgw` command should be added to the *IBM Tivoli Enterprise Console, Version 3.9 Command and Task Reference*.

wstoptecgw (managed node version):

The managed node version of the `wstoptecgw` command is used to stop a Tivoli Enterprise Console gateway that is installed on a managed node. The managed node version of the `wstoptecgw` command is installed on a managed node and the endpoint version of the `wstoptecgw` command is installed on endpoints. The appropriate `wstoptecgw` command is automatically invoked when a `tec_gateway` profile is distributed to either a managed node or to an endpoint.

The **EnableSigTerm** keyword is used to determine which version of the command is installed. The default value is **EnableSigTerm =YES**, which means the new version of the `wstoptecgw` command is used when the gateway is installed on a managed node.

Syntax:

```
wstoptecgw
```

Description:

The managed node version of the `wstoptecgw` command stops a Tivoli Enterprise Console gateway that services managed nodes. The Tivoli Enterprise Console gateway restarts automatically upon receipt of an event, so there is no corresponding command to start the gateway. This command must be run in the shell sourced on the host (managed node) that contains the gateway.

To get the `wstoptecgw` command on the shell sourced on the host (managed node) that contains the gateway, perform the following steps.

1. Ensure that the Adapter Configuration Facility is installed on the managed node to act as the Tivoli

Enterprise Console gateway.

2. Create an adapter configuration profile entry for the tec_gateway configuration file and ensure that **EnableSigTerm=YES** is specified.

3. Distribute the tec_gateway adapter configuration profile to the managed node. The **wstoptecgw** command is now installed in the \$BINDIR/bin/ directory on the managed node.

Files Added or Replaced With This Fix Pack

TME/TEC/tec_gateway.exe
bin/wstoptecgw
TME/ACP/acp
TME/ACP/acpep
TME/TEC/tec_gateway
bin/wstoptecgw
bin/postemsg
bin/postzmsg
bin/wpostemsg
bin/wpostzmsg
TME/TEC/default_sm/tecsce.dtd
TME/TEC/evd.jar
TME/TEC/zce.jar
TME/TEC/jcf.jar
TME/TEC/ibmjsse.jar
TME/TEC/jsafe.zip
TME/TEC/xercesImpl-4.2.2.jar
TME/TEC/xml-apis-4.2.2.jar
bin/aix4-r1/TME/TEC/adapters/bin/init.tecad_logfile
bin/aix4-r1/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/aix4-r1/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/aix4-r1/TME/TEC/adapters/bin/update_conf
bin/hpux10/TME/TEC/adapters/bin/init.tecad_logfile
bin/hpux10/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/hpux10/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/hpux10/TME/TEC/adapters/bin/update_conf
bin/solaris2/TME/TEC/adapters/bin/init.tecad_logfile
bin/solaris2/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/solaris2/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/solaris2/TME/TEC/adapters/bin/update_conf
bin/linux-ix86/TME/TEC/adapters/bin/init.tecad_logfile
bin/linux-ix86/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/linux-ix86/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/linux-ix86/TME/TEC/adapters/bin/update_conf
bin/linux-s390/TME/TEC/adapters/bin/init.tecad_logfile
bin/linux-s390/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/linux-s390/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/linux-s390/TME/TEC/adapters/bin/update_conf
bin/linux-ppc/TME/TEC/adapters/bin/init.tecad_logfile
bin/linux-ppc/TME/TEC/adapters/bin/tecad_logfile.cfg
bin/linux-ppc/TME/TEC/adapters/bin/tecad-remove-logfile.sh
bin/linux-ppc/TME/TEC/adapters/bin/update_conf
bin/os2-ix86/TME/TEC/adapters/bin/tecadini.sh
bin/aix4-r1/TME/TEC/adapters/bin/tecad_snmp.cfg
bin/aix4-r1/bin/postemsg
bin/hpux10/bin/postemsg
bin/solaris2/bin/postemsg
bin/linux-ix86/bin/postemsg
bin/linux-s390/bin/postemsg
bin/w32-ix86/bin/postemsg.exe
bin/os2-ix86/bin/postemsg.exe
bin/linux-ppc/bin/postemsg
bin/aix4-r1/bin/postzmsg
bin/hpux10/bin/postzmsg

bin/solaris2/bin/postzmsg
bin/linux-ix86/bin/postzmsg
bin/linux-s390/bin/postzmsg
bin/w32-ix86/bin/postzmsg.exe
bin/linux-ppc/bin/postzmsg
bin/os2-ix86/TME/ACP/acpep
bin/aix4-r1/TME/ACP/acpep
bin/hpux10/TME/ACP/acpep
bin/solaris2/TME/ACP/acpep
bin/linux-ix86/TME/ACP/acpep
bin/linux-s390/TME/ACP/acpep
bin/w32-ix86/TME/ACP/acpep
bin/linux-ppc/TME/ACP/acpep
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/linux-ppc/TME/TEC/adapters/bin/tecad_logfile
bin/linux-ppc/TME/TEC/adapters/bin/logfile_gencds
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/win_gencds.exe
bin/os2-ix86/TME/TEC/adapters/bin/tecados2.exe
bin/os2-ix86/TME/TEC/adapters/bin/os2gncds.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/linux-ix86/TME/TEC/adapters/bin/tecad_snmp
bin/linux-s390/TME/TEC/adapters/bin/tecad_snmp
bin/w32-ix86/TME/TEC/adapters/bin/tecad_snmp.exe
bin/w32-ix86/TME/TEC/adapters/bin/tecad_snmps.exe
bin/linux-ppc/TME/TEC/adapters/bin/tecad_snmp
bin/aix4-r1/bin/wpostemsg
bin/hpux10/bin/wpostemsg
bin/solaris2/bin/wpostemsg
bin/linux-ix86/bin/wpostemsg
bin/linux-s390/bin/wpostemsg
bin/w32-ix86/bin/wpostemsg.exe
bin/os2-ix86/bin/wpostemsg.exe
bin/linux-ppc/bin/wpostemsg
bin/aix4-r1/bin/wpostzmsg
bin/hpux10/bin/wpostzmsg
bin/solaris2/bin/wpostzmsg
bin/linux-ix86/bin/wpostzmsg
bin/linux-s390/bin/wpostzmsg
bin/w32-ix86/bin/wpostzmsg.exe
bin/linux-ppc/bin/wpostzmsg
bin/mips-irix5/TME/TEC/adapters/bin/init.tecad_logfile
bin/mips-irix5/TME/TEC/adapters/bin/update_conf
bin/osf-axp/TME/TEC/adapters/bin/init.tecad_logfile
bin/osf-axp/TME/TEC/adapters/bin/update_conf
bin/reliant-unix/TME/TEC/adapters/bin/init.tecad_logfile
bin/reliant-unix/TME/TEC/adapters/bin/update_conf
bin/sequent/TME/TEC/adapters/bin/init.tecad_logfile
bin/sequent/TME/TEC/adapters/bin/update_conf
bin/solaris2-ix86/TME/TEC/adapters/bin/init.tecad_logfile
bin/solaris2-ix86/TME/TEC/adapters/bin/update_conf

bin/uw2-ix86/TME/TEC/adapters/bin/init.tecad_logfile
bin/uw2-ix86/TME/TEC/adapters/bin/update_conf
bin/mips-irix5/bin/postemsg
bin/osf-axp/bin/postemsg
bin/reliant-unix/bin/postemsg
bin/sequent/bin/postemsg
bin/solaris2-ix86/bin/postemsg
bin/uw2-ix86/bin/postemsg
bin/mips-irix5/TME/ACP/acpep
bin/osf-axp/TME/ACP/acpep
bin/reliant-unix/TME/ACP/acpep
bin/sequent/TME/ACP/acpep
bin/solaris2-ix86/TME/ACP/acpep
bin/uw2-ix86/TME/ACP/acpep
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/mips-irix5/TME/TEC/adapters/bin/tecad_snmp
bin/osf-axp/TME/TEC/adapters/bin/tecad_snmp
bin/reliant-unix/TME/TEC/adapters/bin/tecad_snmp
bin/sequent/TME/TEC/adapters/bin/tecad_snmp
bin/solaris2-ix86/TME/TEC/adapters/bin/tecad_snmp
bin/uw2-ix86/TME/TEC/adapters/bin/tecad_snmp
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/wlsemsg
bin/wsetemsg
bin/wtdbpace
TME/TEC/jcf.jar
TME/TEC/jcf.jks
TME/TEC/ibmjsse.jar
TME/TEC/jrim.jar
TME/TEC/jsafe.zip
TME/TEC/tec_console.jar
TME/TEC/tec_ui_svr.jar
TME/TEC/evd.jar
TME/TEC/log.jar
bin/tec_console(!w32-ix86,!linux-s390)
bin/tec_console.cmd(w32-ix86)
TME/TEC/adapters/bin/tecad_hpov
bin/wpostemsg
bin/postemsg
TME/TEC/adapters/bin/tecad_hpov.exe
bin/wpostemsg.exe
bin/postemsg.exe
TME/TEC/jre.tar
TME/TEC/samples/correlation/correlate.rls
TME/TEC/samples/correlation/log_default.rls
TME/TEC/tec_server
TME/TEC/tec_dispatch

TME/TEC/tec_reception
TME/TEC/tec_rule
TME/TEC/tec_rule_data
TME/TEC/tec_task
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/hpux10/event_specifiers.wic(hpux10)
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/solaris2/event_specifiers.wic(solaris2)
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/aix4-r1/event_specifiers.wic(aix4-r1)
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/w32-ix86/event_specifiers.wic(w32-ix86)
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/linux-s390/event_specifiers.wic(linux-s390)
TME/TEC/default_rb/.rbtargets/EventServer/TEC_TEMPLATES/linux-ix86/event_specifiers.wic(linux-ix86)
TME/FORMAT_EDITOR/fmt_edit
TME/TEC/default_rb/TEC_RULES/netview.rls
TME/RULE_BUILDER/builder
TME/RULE_BUILDER/builder_data
TME/TEC/builder_data(w32-ix86)
TME/TEC/default_rb/TEC_TEMPLATES/hpux10/event_specifiers.wic(hpux10)
TME/TEC/default_rb/TEC_TEMPLATES/solaris2/event_specifiers.wic(solaris2)
TME/TEC/default_rb/TEC_TEMPLATES/aix4-r1/event_specifiers.wic(aix4-r1)
TME/TEC/default_rb/TEC_TEMPLATES/w32-ix86/event_specifiers.wic(w32-ix86)
TME/TEC/default_rb/TEC_TEMPLATES/linux-s390/event_specifiers.wic(linux-s390)
TME/TEC/default_rb/TEC_TEMPLATES/linux-ix86/event_specifiers.wic(linux-ix86)
TME/TEC/tec_rb.jar
TME/TEC/event.jar
TME/TEC/jsafe.zip
TME/TEC/jcf.jar
TME/TEC/jcf.jks
TME/TEC/ibmjsse.jar
TME/TEC/jcf.jar
TME/TEC/jcf.jks
TME/TEC/ibmjsse.jar
TME/TEC/jrim.jar
TME/TEC/jsafe.zip
TME/TEC/tec_console.jar
TME/TEC/tec_ui_svr.jar
TME/TEC/tec_ui_server

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