

IBM Tivoli Policy Driven Software Distribution



Readme File for Fix Pack 7.1.0-TIV-TPDSD-FP0002

Version 7.1

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Note

Before using this information and the product it supports, read the information in "Notices" on page 9.

This edition applies to fix pack 7.1.0–TIV-TPDSD-FP0002 for version 7, release 1 of IBM Tivoli Policy Driven Software Distribution (program number 5724–C06).

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Readme File for fix pack 7.1.0–TIV-TPDSD–FP0002

This readme provides important information about Fix Pack 7.1.0-TIV-TPDSD-FP0002 for IBM® Tivoli Policy Driven Software Distribution, version 7.1. This readme is the most current information for the fix pack and takes precedence over all other documentation.

Fix packs are cumulative, so you can apply them directly to the general availability version of the product, or on any previous fix pack version.

Please review this readme thoroughly before installing or using this fix pack.

This readme includes the following topics:

- “About this fix pack”
- “Installation, migration, upgrade, and configuration information” on page 7

Note: To install the fix pack, you must be logged on as Administrator (on Windows®) to the computer where Tivoli Policy Driven Software Distribution is installed .

About this fix pack

Fix Pack 7.1.0-TIV-TPDSD-FP0002 includes support for an additional agent platform and includes fixes for reported APARs and defects.

This section includes the following topics:

- New functionality in this fix pack. See “New features and enhancements”
- “Product fixes” on page 2
- “Problems fixed” on page 5
- “Documentation fixes” on page 5
- “Documentation enhancements” on page 7

New features and enhancements

Support for agents

This fix pack provides support for agents on Windows 7 and on Windows 2008, Release 2.

Auditability using Tivoli Remote Control

With this fix pack, the integrated version of Tivoli Remote Control has been enhanced to record information that can be used for audit purposes. To enable auditing and to have the Tivoli Remote Control send audit messages to the Tivoli Policy Driven Software Distribution server, do the following:

1. Update the existing version of Tivoli Remote Control. Proceed as follows:
 - Remove the existing Tivoli Remote Control target
 - Remove the Tivoli Remote Control policy
 - Remove the imported Tivoli Remote Control target software
 - Apply this fix pack to both the server and the agent

- Import the Tivoli Remote Control software
 - Install the Tivoli Remote Control target
2. Configure Tivoli Remote Control for auditing the target. On the Tivoli Remote Control target edit the xml file for the corresponding policy, setting to yes the value for the variable *rc_def_force_audit*.
 3. Read the audit information from the data base. The audit messages sent by the target are stored in the Tivoli Policy Driven Software Distribution server database, in the TRC_SESSIONAUDIT table.

Note: When connecting to the user interface, you must use the same server name that you used at installation time. You can check the exact name either by opening the *dtm_key.kdb* certificate in the configuration directory of the IBM HTTP server, or by using the Websphere Application Server console. To check the web server hostname in the console, click *Servers -> Web servers -> webserver1 -> Ports -> WEBSERVER_ADDRESS*. The *Host* field contains the server name.

Product fixes

This section lists APARs solved by this fix pack for Tivoli Policy Driven Software Distribution, version 7.1:

APAR IZ58690

Problem: the agent might hang when it gets connected to the distribution server on slow networks.

The fix pack resolves this problem.

APAR IZ59587

Problem: in situations where the download of software to the agent is interrupted, when the download is restarted the software is downloaded again completely. This might be a problem on slow networks.

The fix pack resumes the download at the point where it got interrupted if a new property *peer.enablecache* is set to 1 in the *dtm.ini* file at *<install_dir>\agent\dtmagent\core\config\dtm.ini*.

APAR IZ64399

Problem: The Software Inventory and Software Inventory by Agent reports are not generated properly in some cases.

The fix pack resolves this problem.

APAR IZ65995

Problem: Every time a custom policy containing scripts is activated or evaluated a black pop-up window is displayed for few seconds on the target computer screen.

The fix pack resolves this problem.

APAR IZ66212

Problem: The remote installation of an agent, using the Administrator UI, fails on Windows Vista and Windows 2008 if the target computer runs an old version of the CIT scanner (2.6.0.3 or earlier). Target computers running the Tivoli Configuration Manager endpoint might have this problem.

When this problem occurs, the following error can be seen in %TEMP%/dtm_cit_inst.log:

```
Exec '"C:\Program Files\tivoli\cit\bin\wscancfg.exe" -disable all 2>nul'  
returned 255  
Cannot stop CIT for update  
Exec '"C:\Program Files\tivoli\cit\bin\wscancfg.exe" -enable all 2>nul'  
returned 255  
*** Error: could not restart CIT
```

Furthermore, the Windows event log shows two abnormal events, for example:

```
Faulting application wscancfg.exe, version 0.0.0.0, time stamp  
0x4a0ca6ec, faulting module unknown, version 0.0.0.0, time stamp  
0x00000000, exception code 0xc0000005, fault offset 0x00000000,  
process id 0x958, application start time 0x01ca6c63e48ba4b8.
```

To bypass this problem on Windows Vista and Windows 2008 computers using a CIT scanner older than version 2.6.0.4, the agent must be deployed locally.

APAR IZ67135

Problem: When a computer is configured to obtain an IP address automatically from the DHCP, if it is already defined as a Desktop Computer in the console and it changes the IP address, the old value remains displayed in several fields of the "Desktop Computers" panel (it is not updated with the new value).

The fix pack resolves this problem.

APAR IZ70488

Problem: Systems contain duplicate (multiple) GUIDs for the same workstation.

The fix pack resolves this problem.

APAR IZ70489

Problem: If you activate a patch policy with a large number of patches, in the Policy and Compliance Tracking application you see an activation error because of the following SQL error:

```
BMXAA4210E - Database error number -805 has occurred. DB2 SQL error:  
SQLCODE:-805, SQLSTATE:51002, SQLERRMC:NULLID. SYSLH203 0X5359534C564C3031
```

The fix pack resolves this problem, but it must be noted that in the event the patch policy has a number of patches ranging between 100 and 1000, a modification is needed in the Distribution server database. In the DISTRIBUTION table, for the MESSAGE column, the *length* field must be set to 10 MB.

APAR IZ70490

Problem: Tivoli Policy Driven Software Distribution 7.1 agent fails to start *AgentService.exe* subagent, if a process with the same name is already running on the system.

The fix pack resolves this problem.

APAR IZ71791

Problem: In a multiple node environment with a MXServer and DI server in different time zones, there is a mismatched last service time entry. The agent last service time is correct in the DI database but not translated to the correct time zone on the MXserver.

The fix pack resolves this problem.

APAR IZ71816

Problem: The agent changes the GUID moving from VPN to NO VPN (and vice versa). The change of the GUID causes the Self Service Catalog to not work because the GUID used for the authentication is not updated. The GUID in the *DTM-UI.ini* file does not match the one in the updated *ita.ini* file.

The fix pack resolves this problem.

APAR IZ72085

Problem: On the Desktop Computer list, the user is not allowed to filter the entries to be displayed using the IP information. The IP column is present but the filter does not work.

The fix pack resolves this problem.

APAR IZ73444

Problem: The installation fails if node and web server names are not the default ones.

The fix pack resolves this problem.

APAR IZ73563

Problem: After opening and then closing a Remote Control session using the Tivoli Policy Driven Software Distribution Administration Console, if a new session is started, this second session cannot start and randomly the Tivoli Policy Driven Software Distribution agent could crash. In this case, it is needed to restart it.

The fix pack resolves this problem.

APAR IZ74307

Problem: When using policy Inventory on Microsoft patches, the inventory gives wrong results about the installed patches.

The fix pack resolves this problem.

APAR IZ74310

Problem: Using *subgrouping* as the grouping method during the computer group population, multiple entries for the same computer are generated for computers that have both the Tivoli Policy Driven Software Distribution and TCM agents installed.

The fix pack resolves this problem.

APAR IZ74374

Problem: Tivoli Policy Driven Software Distribution policies are not executed when a machine is not connected.

The fix pack resolves this problem.

APAR IZ74556

Problem: Patch Management for Windows 7 cannot select product to filter.

The fix pack resolves this problem.

APAR IZ75031

Problem: Users belonging to a Security Group which does not grant access to a particular application, are instead allowed to perform some tasks on that application because of another application for which they have access from their Start Centre.

The fix pack resolves this problem.

APAR IZ76078

Problem: In the administrator user interface, in the Inventory and Task Tracking application, if the user tries to filter on the 'Run Frequency' property, an error is generated. To avoid this problem, the option to filter on the 'Run Frequency' property has been removed.

The fix pack resolves this problem.

APAR IZ76732

In Tivoli Policy Driven Software Distribution version 7.1, if depots are configured, it can randomly occur that the depots hang and the agents are no longer able to download files from the depots.

The fix pack resolves this problem.

Problems fixed

This section lists defects solved by this fix pack for Tivoli Policy Driven Software Distribution, version 7.1:

Problem: Software inventory might not work correctly on Windows Vista and on Windows Server 2008.

The CIT scanner built into the product to collect inventory data has been fixed to resolve this problem.

Problem: The options used when a policy is activated or when a task is run are not tracked on the Administration UI.

The fix pack resolves this problem. Additional flags are now visible in the Target Computer Groups and Target Depot Computers Groups tabs of the Policy and Compliance Setup UI and of the Task and Inventory Setup UI. The new flags are **Is Urgent**, **Ignore Agent Obligations**, and **Deadline**.

Problem: The removal or upgrade of a policy with Undo Remediation set is not managed correctly from a reporting point of view.

The fix pack resolves this problem.

Problem: The depot list in the Agent Details tab of the Desktop Computers UI is not managed correctly when a new depot is added.

The fix pack resolves this problem.

Documentation fixes

The following documentation problems were found since the general availability of Tivoli Policy Driven Software Distribution, version 7.1:

APAR IZ66109

In the topic **End-to-end-scenarios > Defining software in the software and patch catalog > Defining deployment configurations**, for option **Target Path** a Note is added at the bottom, saying:

Note: If you are defining software that requires corequisite files to be located in the same directory for the installation, specify a path different from the default target path. This is because, if you use the default target path, the corequisite files are put in a different directory and this causes the installation to fail.

APAR IZ70896

The last example in topic **Reference > Supported operators, functions, and variables > Software Installation Engine operators** is modified in the following way:

This is an example of an SPB that contains more than one file signature. During the import software package process, a file-based signature is created:

```
IsSPBInstalled("MySoftware.1.0") AND  
FileSize($(target_dir)/lib/abc.dll)==1234 AND  
FileSize("$(system_root)/system32/abcdriver.dll")==432199
```

APAR IZ71897

In the topic **Managing software and patches > Acquiring, approving, and deploying Microsoft patches**, the **Restriction** in section **Before you begin** is modified in the following way:

Restriction: Before applying patches for Windows target computers, you must disable the Automatic Updates service on each target computer. By default, the Automatic Updates service is enabled. If you do not disable it, both the operating system and Tivoli Policy Driven Software Distribution attempt to run the same updates, which blocks the update process.

To disable Automatic Updates:

1. Right-click **My Computer** and select **Properties**.
2. Select the **Automatic Updates** tab.
3. Check the option **Turn off Automatic Updates**.

APAR IZ73239

In the topic **Integrating > Integration with Tivoli Remote Control > Changing Tivoli Remote Control policies**, the information about policy settings is changed as follows:

The policy settings for the remote connection are stored in the following files at the target computer under the path: c:\Documents and Settings\All Users\Application Data\IBM\Tivoli\Remote Control\

For Full Takeover

policyset_1.xml

For Guidance Mode Only

policyset_2.xml

For Reboot Only

policyset_3.xml

APAR IZ75507

In the topic **Installing and configuring > Other configuration tasks > Enabling the use of the Self-service Catalog** a Note is added at the bottom, saying:

Note: If, for any reason, you need to run the wizard again to generate a new certificate, when you open the Self-service Catalog a window is displayed with the list of available certificates. In this situation, the correct certificate to use is the one whose name matches the Agent Identifier value of the About option that you can select by clicking the end-user UI icon.

Documentation enhancements

The product information center, available at <http://publib.boulder.ibm.com/infocenter/tivihelp/v26r1/index.jsp?topic=/com.ibm.dtm.doc/welcome.htm>, has been extended to cover the following topics:

- Within the *Installing and configuring* topics:
 - Installing the agent using Tivoli® Configuration Manager
 - Installing the agent using Windows logon scripts
 - Installing the agent using RSH/SSH
- Within the *Administering* topics:
 - Information about managing customized reports

Installation, migration, upgrade, and configuration information

This section includes the following topics:

- “Installing the fix pack”
- “Importing reports”
- “Upgrading agents” on page 8
- “Reverting to the previous version” on page 8

Installing the fix pack

To install the fix pack:

1. Verify that the server, distribution server, and node agent are running; to check this open a command line interface of Websphere Application Server and type the following command: `serverStatus.bat -all -username <wasadmin_user> -password <wasadmin_password>`; they must have a status of Started. If not, start the node agent first, and then the other servers.
2. Copy `7.1.0-TIV-TPDSD-FP0002-servers.zip` on a directory of your system and unzip it.
3. Run `launchpad.exe` and specify whether you are patching a server or a distribution server. Be prepared to enter a number of configuration parameters in a similar way to those provided at installation time.

As part of the fix pack installation, the server, distribution server, and node agent are registered as Windows services. When the fix pack installation completes, verify that server, distribution server, and node agent have a status of Started in the list of Windows services on which the services have these names:

Product component	Windows service name
Server	MXServer
Distribution server	IBM_TDTM_DI_Server
WebSphere node agent	NodeAgent

If not, start the node agent first, and then the other services.

Importing reports

To import updated reports, proceed as follows:

1. Create a backup copy of the following folders:

```
<MAXIMO_BASE_DIR>\maximo\reports\birt\libraries  
<MAXIMO_BASE_DIR>\maximo\reports\birt\reports\DTMPOLICY  
<MAXIMO_BASE_DIR>\maximo\reports\birt\reports\DTMTASK  
<MAXIMO_BASE_DIR>\maximo\reports\birt\reports\DTMSYSTEM
```

2. Extract the content of the file 7.1.0-TIV-TPDSD-FP0002-REPORT.zip in a temporary directory and copy its content in the corresponding directories of the above point
3. Open a command line interface, go to this directory:
<MAXIMO_BASE_DIR>\maximo\reports\birt\tools

and type the following commands:

```
importreports.cmd libraries  
importreports.cmd app DTMPOLICY  
importreports.cmd app DTMTASK  
importreports.cmd app DTMSYSTEM
```

To run the imported reports, use the administrator user interface as follows:

1. Click *Go To -> Administration -> Reporting -> Report Administration*
2. Search all the Tivoli Policy Driven Software Distribution reports typing *DTM* in the *Application* field, and select them all
3. Click *Generate Request Pages*
4. Sign out and sign in from the administration user interface

Upgrading agents

To apply the fixes to agents that are already deployed, you can follow one of these procedures:

Upgrade the agent locally

On the agent computer:

1. Copy 7.1.0-TIV-TPDSD-FP0002-agent.zip on a directory of your system and unzip it.
2. Run pdsd_agent_setup.exe.

Upgrade the agent from the server

You can upgrade the agent from the server using the Desktop Computers application on the Administration UI. To do so, follow the procedure documented at: http://publib.boulder.ibm.com/infocenter/tivihelp/v26r1/topic/com.ibm.dtm.doc/installing/t_inst_agent_from_server.html

Reverting to the previous version

There is no automatic method for uninstalling this fix pack.

Before applying the fix pack, you might consider taking a virtual machine snapshot.

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