

IBM® Tivoli® Workload Scheduler, version 8.2.0
Warehouse Enablement Pack, version 1.1.0



Readme file for Fix Pack 8.2.0-TIV-TWS_WEP-FP0002

IBM® Tivoli® Workload Scheduler, version 8.2.0
Warehouse Enablement Pack, version 1.1.0



Readme file for Fix Pack 8.2.0-TIV-TWS_WEP-FP0002

Note

Before using this information and the product it supports, read the information in "Notices" on page 8.

First Edition (July 2005)

This edition applies to Fix Pack 2 (PTF U803316) of Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0

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Contents

Readme file for Fix Pack 8.2.0-TIV-TWS_WEP-FP0002	1
About this release	1
Product Fix History	2
APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 02	2
APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 01	3
Other Changes as a Result of this Fix Pack	4
Installation, Migration, Upgrade, and Configuration Information	4
Hardware and Software Requirements.	4
Supported Platforms.	4
System Requirements	4
Software Requirements	4
Installing the Fix Pack on Tivoli Enterprise Data Warehouse, version 1.1	5
Installing the Fix Pack on Tivoli Data Warehouse, version 1.2	6
Troubleshooting	7
Documentation Notes	7
Contacting IBM Software Support	7
Notices	8
Trademarks	10

Readme file for Fix Pack 8.2.0-TIV-TWS_WEP-FP0002

Date 1 July 2005

Fix Pack
8.2.0-TIV-TWS_WEP-FP0002

PTF Number
U803316

Product
IBM Tivoli Workload Scheduler, version 8.2.0, Warehouse Enablement Pack,
version 1.1.0 for Tivoli Data Warehouse Fix Pack 2

General Description
IBM Tivoli Workload Scheduler, version 8.2.0, Warehouse Enablement Pack,
version 1.1.0 for Tivoli Data Warehouse Fix Pack 2

This section provides important information about fix pack 2 for IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 for Tivoli Data Warehouse. This section is the most current information for the fix pack and takes precedence over all other documentation.

Review this section thoroughly before installing or using this product.

Note: This section uses the Windows convention for variables and directory notation, unless the context is specifically a UNIX one. See "Operating system-dependent notation" for information about applying the instructions to UNIX environments.

Review this section thoroughly before installing or using this fix pack.

About this release

This section includes the following topics:

- "Product Fix History" on page 2
- "APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 02" on page 2
- "APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 01" on page 3
- "Other Changes as a Result of this Fix Pack" on page 4

Product Fix History

This fix pack is the second fix pack to be issued for Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0.

APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 02

The following APARs and Defects have been fixed:

- APAR IY67163

Symptoms: The default value of the term of prune should be 1 year. The default value of prune, that was 3 months, has been replaced with 1 year as it is documented.

- APAR IY68250

Symptoms: Unacceptable long duration of TWS data loading Tivoli data. The time for loading have been strongly reduced in any following scenarios:

- loading of a Symphony composed by an huge amount of data
- loading of more than one Symphony at a time
- usual daily Symphony loading

- APAR IY68247

Symptoms: How to do a incremental extraction of TWS data using TDW. The documentation has been corrected to report how to automatically extract only the data that is not present in the CDW database.

- Defect 176326

Symptoms: Every time ETL2 runs, any CDW data is loaded into the Mart database without the checking if that data was already present in the Mart database. This error was due to the fact that the TWG.EXTRACT_CONTROL table were not correctly updated.

- Defect 176781

Symptoms: Staging table are not emptied. Through this fix, every time the ETL1 procedures finish the staging tables (AWS.TWS_JOBSTREAM_P, AWS.TWS_JOB_P, AWS.TWS_WORKSTATION_P) are dropped. This improves the performance

- Defect 176783

Symptoms: In the CDW and Mart databases the "Start Delay" measurement has wrong values. Through this fix, the "Start Delay" is expressed in seconds, and has the right value. To correct the data that have been loaded in the database before the Fix Pack 2 installation, the Fix Pack 2 provides 2 new scripts; they are provided in the misc directory, exactly:

```
..\aws\misc\aws_update_start_delay_cdw.db2  
..\aws\misc\aws_update_start_delay_mart.db2
```

They should be run only one time after the Fix Pack 2 installation. The first one corrects the "Start Delay" value of the data contained in the CDW database, the second one corrects the "Start Delay" value of the data contained in the Mart database.

- Defect 176782

Symptoms: The ETL1 AWS_c10_s50_LoadMsmt.db2 duplicates data in the TWG.MSMT table without checking if the data has been already loaded there.

- Defect 178031

Symptoms: The `aws_clean_and_reset.db2` script removes too many objects in the `TWG.COMP` table. This script removed also common components that are the ones used not only by the TWS WEP but also by the other WEPs.

- Defect 176270

Symptoms: Clean scripts does not successfully complete if tables to drop are not present in the database.

- Defect 178598

Symptoms: Documentation refresh. Through this defect the documentation has been refreshed. Exactly two new second editions are available with the Fix Pack 2 in the doc directory:

TivoliWorkloadScheduler8.2_for_TEDW1.1.doc

It documents the TWS WEP on Tivoli Enterprise Data Warehouse 1.1.

TivoliWorkloadScheduler8.2_for_TDW1.2.doc

It documents the TWS WEP on Tivoli Data Warehouse 1.2.

- Defect 176283

Symptoms: The "Jobs with highest average duration time" report does not report any data for the jobs running on Microsoft platforms. This problem is due to a TWS known limitation, so this problem has been documented in the TWS WEP second edition documentations, shipped with the TWS WEP Fix Pack 2.

- Defect 176009

Symptoms: Wrong number of jobs displayed in a CR Report. In the "Run states statistics for all jobs" report of the Crystal Report, the number of jobs in a specified state for a day is not correct.

APARs and Defects fixed in IBM Tivoli Workload Scheduler, version 8.2.0 Warehouse Enablement Pack, version 1.1.0 Fix Pack 01

The following APARs and Defects have been fixed:

- APAR IY60777

Symptoms: ETL2 fails loading symphony files data including jobs with same name but different priorities or workstations having same name and different operating systems.

- APAR IY65611

Symptoms: `aws_clean_and_reset` and `aws_cdw_data` fails if launched through `execsql` command.

- Internal CMVC Defect 175206

Symptoms: ETL1 fails if there is no data in the TDW databases.

- Internal CMVC Defect 175219

Symptoms: In any report text keys are displayed instead of the appropriate string values.

Note: This defect does not fix this problem on TEDW 1.1, refer to Internal CMVC Defect 176349.

- Internal CMVC Defect 176323

Symptoms: Erroneous err msg displayed from the archiver

- Internal CMVC Defect 176324

Symptoms: Wrong CPU name in Sched flat file

- Internal CMVC Defect 176325

Symptoms: Archiver does not normalize in GMT the dates on flat files

- Internal CMVC Defect 176354

Symptoms: Start time mismatch between MSMT table and flat files

Other Changes as a Result of this Fix Pack

On Tivoli Enterprise Data Warehouse, version 1.1, each fix pack creates a new file called: <INSTALL_DIR>\apps\aws\.installed\.twh_aws_v8.2.0.x.marker (where *INSTALL_DIR* is the directory where Tivoli Enterprise Data Warehouse, version 1.1, is installed, and *x* is the number of the fix pack), which identifies the current product version.

On Tivoli Data Warehouse, version 1.2, each fix pack renames the old *INSTALL_DIR\apps\aws\v820x* (where *INSTALL_DIR* is the directory where Tivoli Data Warehouse, version 1.2, is installed, and *x* is the number of the fix pack), which identifies the current product version.

Installation, Migration, Upgrade, and Configuration Information

This section includes the following topics:

- “Hardware and Software Requirements”
- “Installing the Fix Pack on Tivoli Enterprise Data Warehouse, version 1.1” on page 5
- “Installing the Fix Pack on Tivoli Data Warehouse, version 1.2” on page 6
- “Troubleshooting” on page 7
- “Documentation Notes” on page 7

Hardware and Software Requirements

This section includes the following topics:

- “Supported Platforms”
- “System Requirements”
- “Software Requirements”

Supported Platforms: Supported platforms for Tivoli Workload Scheduler at the time of the release are as for Tivoli Enterprise Data Warehouse, and are detailed in the IBM Tivoli Enterprise Data Warehouse Release Notes. There are no known changes since the release. However, the list of supported platforms could change outside the release cycle. For the most recent information, consult the supported platforms matrix on the IBM software support Web site, as follows:
<http://www.ibm.com/software/support>

When you reach the Web site, select Tivoli support from the other support sites category, and when the page displays, click Supported Platforms from the Related Links category. Click the Tivoli Platform and Database Support Matrix link, you will be asked for your IBM registration ID and password.

System Requirements: Hardware and software prerequisites are detailed in the IBM Tivoli Enterprise Data Warehouse Release Notes. There are currently no changes to the information included in the guide.

Software Requirements: Software requirements are shown below:

- Tivoli Enterprise Data Warehouse, version 1.1.
- Tivoli Data Warehouse, version 1.2.

The fix pack levels shown below are the minimum versions required to run the Tivoli Workload Scheduler Warehouse Enablement Pack fix:

- Tivoli Enterprise Data Warehouse, version 1.1 Fix pack 3
- Tivoli Data Warehouse, version 1.2 Fix pack 2.

If you are using Tivoli Enterprise Data Warehouse, version 1.1, and you do not want to install the latest fix pack it is strongly recommended to install at least the TDW-0010LA interim fix. Fix pack 2 as a prerequisite for this interim fix.

Fix Pack 7 is the minimum level required for Tivoli Workload Scheduler 8.2.0, some fixes that are provided in this fix pack do not work if used on Fix Pack levels less than 7.

Installing the Fix Pack on Tivoli Enterprise Data Warehouse, version 1.1

The following tells you how to install this fix pack. Once you have installed a fix pack, you cannot uninstall it automatically.

In addition to the instructions given here, you can also look at the documentation shipped with the TEDW package.

Perform the following steps to install the fix pack:

1. Log on to the system using an account with administration authority.
2. From the Tivoli Enterprise Data Warehouse console stop the active extract, transform, and load (ETL) processes.
3. Backup the following components before starting the fix pack installation (backup procedures are described in the chapter on maintaining Tivoli Enterprise Data Warehouse in Installing and Configuring Tivoli Enterprise Data Warehouse):
 - The Tivoli Enterprise Data Warehouse databases.
 - The Tivoli Enterprise Data Warehouse application software on each system in your configuration. This will include the files for the application warehouse enablement packs, so those packs are also backed up.
 - Tivoli Presentation Services on the system where the Tivoli Enterprise Data Warehouse RPI component is installed, if that component has been installed.
4. Copy the compressed fix pack file 8.2.0-TIV-TWS_WEP-FP000x, where x is the number of the current fix pack, to a temporary directory or folder.
5. Unpack the fix pack files.
6. Start a bash shell in the DB2 command window.
7. Run the command %TWH_TOPDIR%/install/bin/tedw_wpack_patchadm.sh to create the twh_app_patcher.cfg configuration file in the temporary directory. Substitute %TWH_TOPDIR% with your Tivoli Enterprise Data Warehouse installation path.
8. Edit the twh_app_patcher.cfg configuration file to complete the section marked USER SUPPLIED SECTION. These are all the fields that you must fill in:
 - APP_MEDIA_DIR: This tag must be assigned the directory path of the source files for the application warehouse enablement pack patch that you are currently installing. This directory must contain a file named "twh_install_props.cfg".

- **PS_HOME:** This tag appears only on a system where the Tivoli Enterprise Data Warehouse Reporting Interface (RPI) component is installed. This tag must be assigned a value that is the directory path where Tivoli Presentation Services is installed.
- **DB2PASS:** This tag must be assigned the password of the user indicated by the DB2USER tag in the AUTO-GENERATED SECTION that appears immediately below the USER SUPPLIED SECTION. This is a DB2 user defined for the current system.
- **COPT_CTRL_DB2PASS:** This tag must be assigned the password of the user indicated by the COPT_CTRL_DB2USER tag in the AUTO-GENERATED SECTION that appears immediately below the USER SUPPLIED SECTION. This is a DB2 user defined for the system where the Tivoli Enterprise Data Warehouse Control Server component is installed, as indicated by the COPT_CTRL_DB2HOST tag in the AUTO-GENERATED SECTION.
- **COPT_CDW_DB2PASS:** This tag must be assigned the password of the user indicated by the COPT_CDW_DB2USER tag in the AUTO-GENERATED SECTION that appears immediately below the USER SUPPLIED SECTION. This is a DB2 user defined for the system where the Tivoli Enterprise Data Warehouse Central Data Warehouse database is installed, as indicated by the COPT_CDW_DB2HOST tag in the AUTO-GENERATED SECTION.
- **COPT_MART_DB2PASS:** This tag must be assigned the password of the user indicated by the COPT_MART_DB2USER tag in the AUTO-GENERATED SECTION that appears immediately below the USER SUPPLIED SECTION. This is a DB2 user defined for the system where the Tivoli Enterprise Data Warehouse Data Mart database is installed, as indicated by the COPT_MART_DB2HOST tag in the AUTO-GENERATED SECTION.

Notes:

- **PS_HOME** will appear in the list only if the RPI component is installed on this system.
 - For **APP_MEDIA_DIR**, indicate the directory where the file `twl_install_props.cfg` is located, in this case the `tedw_apps_etl\aws` directory within the temporary directory.
 - For a description of the fields, refer to the `wep_patch.txt` file.
9. Rerun the command `tedw_wpack_patchadm.sh` to complete the installation of the fix pack.
 10. Reboot the computer where you installed the fix pack.
 11. Verify that the fix pack has been correctly installed, as follows:
 - Under the `<INSTALL_DIR>\apps` dir, make sure the content of the `apps\aws` directory has been upgraded by comparing it with `<INSTALL_DIR>\apps_backups\aws` directory.
 - Verify the existence of a marker for every fix pack. For example, for Fix Pack 1, check the existence of the following file:
`<INSTALL_DIR>\apps\aws\.installed\.twl_aws_v8.2.0.1.marker`
 - Check the content of the log files provided by Tivoli Enterprise Data Warehouse. Refer to TEDW documentation for their locations and names.

Installing the Fix Pack on Tivoli Data Warehouse, version 1.2

The following tells you how to install this fix pack. Once you have installed a fix pack, you cannot uninstall it automatically. For details of how to revert to the previous version see "Reverting to the previous version". In addition to the instructions given here, you can also refer to Installing and Configuring Tivoli Data Warehouse. Perform the following steps to install the fix pack:

1. Log on to the system using an account with administration authority.
2. Copy the compressed fix pack file 8.2.0-TIV-TWS_WEP-FP000x, where x is the number of the current fix pack, to a temporary directory or folder.
3. Unpack the fix pack files.
4. From the Windows Start menu, select Programs -> Tivoli Data Warehouse -> Install a Warehouse pack.
5. A pop-up is displayed. Follow the instruction described in Installing and Configuring Tivoli Data Warehouse and select *TEMP_DIR*\tedw_apps_etl\aws\twh_install_props.cfg where <TEMP_DIR> is the folder where you extracted the fix pack file.
6. Verify that the fix pack has been correctly installed, as follows:
 - a. Under the <INSTALL_DIR>\apps dir, make sure the content of the apps/aws directory has been upgraded by comparing it with <INSTALL_DIR>\apps_backups\aws directory.
 - b. Verify that the directory <INSTALL_DIR>\apps\aws\<old_fix_pack_version> has been migrated to *INSTALL_DIR*\apps\aws\<new_fix_pack_version>. For example for Fix Pack 1, check that the directory name has been changed into *INSTALL_DIR*\apps\aws\v8201\.
 - c. Check the content of the log files provided by Tivoli Data Warehouse. Refer to TDW documentation for their locations and names

Troubleshooting

If there is data in the CDW and Mart databases, the TWS WEP is uninstalled, when the TWS WEP Fix Pack 2 is installed the existing data in the Mart database is lost even if the ETL2 is run. To bypass this problem, after the Fix Pack 2 installation run the *aws_extract_control_reset.db2* script provided in the misc directory, then run the ETL2.

The "Workstations with highest CPU utilization" and the "Run times statistics for all jobs" reports work for the jobs running on any platforms except Microsoft; in fact, as described in the Tivoli Workload Scheduler documentation, Tivoli Workload Scheduler does not provide a value for the CPU time utilization of jobs running on Microsoft platforms. Due to this limitation, jobs running on Microsoft platforms are never included in these reports.

Documentation Notes

The section contains new information and documentation corrections contained in this fix pack.

Internal CMVC Defect 175987: Symptoms: *tws_launch_archiver* fails with perl4 (default for TDW11).

To resolve this problem use Perl level v5.8.0 (supplied with the product) or higher. This is contained in: *CD_2* (GA or fixpack) \Add-0n\Windows\Per15 dir.

Contacting IBM Software Support

Before contacting IBM® Software Support with a problem, refer to the IBM Software Support site by accessing the following Web address:

<http://www.ibm.com/software/support>

To access Tivoli® support, click the Tivoli support link at the bottom right of the page.

If you want to contact IBM Software Support, see the *IBM Software Support Guide* at the following Web site:

<http://techsupport.services.ibm.com/guides/handbook.html>

The guide provides information about how to contact IBM Software Support, depending on the severity of your problem, and the following information:

- Registration and eligibility.
- Telephone numbers, depending on the country in which you are located.
- Information you must have before contacting IBM Software Support.

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