

Version 6.0.0.1



**Installation Guide
for fix pack 6.0.0.1**

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Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 11.

First Edition (May 2007)

This edition of this book applies to version 6.0.0.1 of WebSphere Commerce Analyzer and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

This book describes how to apply IBM® WebSphere Commerce Analyzer 6.0.0.1 fix pack. It is intended for system administrators who are using WebSphere Commerce Analyzer.

About this book

This document describes the steps required to apply the IBM WebSphere Commerce Analyzer 6.0.0.1 fix pack to version 6.0 of the WebSphere Commerce Analyzer.

History of changes to this book

Edition	Date	Updates
First edition	January 12, 2007	Original publication of this document

Conventions used in this book

This book uses the following highlighting conventions:

- **Boldface type** indicates commands or graphical user interface (GUI) controls such as names of fields, icons, or menu choices.
- Monospace type indicates examples of text you enter exactly as shown, file names, and directory paths and names.
- *Italic type* is used to emphasize words. Italics also indicate names for which you must substitute the appropriate values for your system.

Path variables

WCA_installdir

The installation path for WebSphere Commerce Analyzer. This is the default installation directory:

c:\Program Files\IBM\WCA

fp_installdir


The temporary directory where you downloaded the fix pack.

Installing the fix pack

To install the fix pack 1, perform the following steps:

1. "Obtaining the fix pack"
2. "Identifying APARs"
3. Install the fix pack using one of the following methods:
 - "Applying the WebSphere Commerce Analyzer fix pack using the silent installation method" on page 2
 - "Applying the WebSphere Commerce Analyzer fix pack using the GUI method" on page 2
4. "Post installation performance optimization" on page 3

Obtaining the fix pack

1. Create a temporary directory. This temporary directory is denoted by *fp_installdir* in the remaining sections of this guide.
2. Open the following URL in a Web browser:
www.ibm.com/support/docview.wss?uid=swg24016513
3. Save the fix pack to the *fp_installdir* directory.
4. Navigate to the *fp_installdir* and then extract the files in the *wca6001.jar* archive.
5.  Ensure that you are logged in with a Windows® user ID that is a member of the Administrator group.
6. Close the WebSphere Commerce Analyzer Configuration Manager, if it is open.

Identifying APARs

The fix pack installer will first uninstall the existing APARs, and then install the fix pack. To include the APARs that are not included in the fix pack you must reinstall them after the fix pack is installed.

To identify the APARs that need to be reinstalled, perform the following steps:

1. Identify the APARs that are installed. Refer to the section "Determining installed interim fixes (APARs)."
2. Identify the APARs included in the fix pack. Refer to Appendix B, "New and changed updates," on page 9 for information on the APARs that are included in this fix pack.
3. Compare the list and identify the APARs that are not included in the fix pack.
4. Contact WebSphere Commerce Analyzer support and ask whether the unlisted APARs are compatible with this fix pack.

Determining installed interim fixes (APARs)

This section determines which interim fixes have been applied to WebSphere Commerce Analyzer.

1. Navigate to the *fp_installdir*.
2. Run the following command.

```
updateSilent.bat fix list WCA_installdir
```

For example,
updateSilent.bat fix list c:\Progra~1\IBM\WCA

Next step

Install the fix pack by completing one of the following sections:

- “Applying the WebSphere Commerce Analyzer fix pack using the silent installation method”
- “Applying the WebSphere Commerce Analyzer fix pack using the GUI method”

Applying the WebSphere Commerce Analyzer fix pack using the silent installation method

This section will update the WebSphere Commerce Analyzer.

Prerequisite: Ensure that you have installed WebSphere Commerce Analyzer 6.0 on the machine.

1. Ensure that you take a backup of your data mart database before applying this fix pack. Your installation of this fix pack also updates your data mart database and you cannot undo the changes.
2. Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.
3. Close WebSphere Commerce Analyzer Configuration Manager, if it is open.
4. Using the command line, navigate to the *fp_installdir* directory.
5. Run the following command.

```
updateSilent.bat fixpack install WCA_installdir fixpackID fp_installdir
```

Note: If your installation path contains spaces, you must use the GUI installer or use the short name for the path.

For example, the short name for C:\Program Files on Windows platform is c:\progra~1.

For example,

```
updateSilent.bat fixpack install "C:\Progra~1\IBM\WCA" WCA60_fp1 c:\6001
```

6. Ensure that the installer displays the message Fix pack installation completed successfully. If you do not get this message the installer will indicate which log files to check for error messages.

Applying the WebSphere Commerce Analyzer fix pack using the GUI method

This section will update the WebSphere Commerce Analyzer.

Prerequisite: Ensure that you have installed WebSphere Commerce Analyzer 6.0 on the machine.

1. Ensure that you take a backup of your data mart database before applying this fix pack. Your installation of this fix pack also updates your data mart database and you cannot undo the changes.
2. Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.
3. Close WebSphere Commerce Analyzer Configuration Manager, if it is open.

4. Using the command line, navigate to the *fp_installdir* directory and enter the following command:
updateWizard.bat
5. Select a language and then click **OK**.
6. Click **Next** to continue.
7. Click **Next** to accept WebSphere Commerce Analyzer release found on your computer. Otherwise, enter the path if it is not automatically found.
8. Select **Install fix packs**. Click **Next**.
9. In the **Fix Pack Directory** field, type the name of the directory where you extracted the fix pack.
fp_installdir
For example,
C:\6001
Click **Next**.
10. Click **Next** to accept the fix pack found.
11. Click **Next** to begin installing.
12. Ensure that the installer displays the message The following fix pack was successfully installed. If you do not get this message the installer will indicate which log files to check for error messages. Click **Finish**.

Post installation performance optimization

If you are updating an existing WebSphere Commerce Analyzer installation and you want to re-run the configuration or if you are running configuration for the first time, refer to the WebSphere® Commerce Additional Software Guide under the section, Configuring WebSphere Commerce Analyzer see, Starting WebSphere Commerce Analyzer configuration. Then you should follow the instructions below before running replication and ETL for the first time. If you are updating an existing WebSphere Commerce Analyzer installation and you do not want to re-run the configuration, follow the instructions below now.

For optimal performance, we recommend you use DMS as the tablespace storage for the datamart (this is a choice during WebSphere Commerce Analyzer configuration on the datamart creation panel). If you are not using DMS, we recommend you reconfigure WebSphere Commerce Analyzer using DMS before running the following steps. Refer to the Additional Software Guide under the section, Configuring WebSphere Commerce Analyzer see, Starting WebSphere Commerce Analyzer configuration. If you reconfigure to select DMS for your datamart, follow the instructions below after configuration and before your first replication and ETL.

1. Update the DB2 level to the latest FP (currently FP14). You can download the latest fixpack from <http://www.ibm.com/support/docview.wss?rs=71&uid=swg21256059>. If you are using Oracle, you'll also need to update DB2 Information Integrator relational Wrappers. It is recommended to download both fix packs and run the II fix pack installer, which will install both the DB2 and II fixpack. If you are using Oracle you'll also need to update the DB2 Client on the WebSphere Commerce machine.
2. If you have already configured WebSphere Commerce Analyzer and are not reconfiguring WebSphere Commerce Analyzer after installing the fixpack, do the following: From a DB2 Command Window, run the file wca_perf.bat by doing the following:

```
cd WCA_installdir\bin\db2\60
db2 connect to datamartname user datamartUser using datamartPassword
wca_perf
```

where *datamartname* is the name of the datamart, *datamartUser* is the user of the datamart, and *datamartPassword* is the datamart user's password.

If you are configuring WebSphere Commerce Analyzer for the first time or are re-configuring WebSphere Commerce Analyzer, the above file will be run automatically during configuration.

3. From a DB2 Command Window, run `db2stop` to stop all the db2 processes. Then, close all applications, and defragment all of the hard drives on the WebSphere Commerce Analyzer system.

Note: This might take several hours.

4. When defragment finishes, determine the total amount of free RAM that you have available by doing the following:
 - a. Ensure all applications are closed (DB2 is still stopped).
 - b. Open the Windows Task Manager.
 - c. Select the **Performance** tab.
 - d. Write down the amount beside the Available entry in the Physical Memory section. This is the available memory in KB.

This will be used in the script later.

5. Once the defragmentation of the hard drives is complete, open a DB2 Command Window and run `db2start` to start the database.
6. In windows select Start -> Control Panel -> System -> Advanced -> Performance -> Settings -> Advanced, select Programs for both processor scheduling and memory usage.
7. Run the script `\WCA_installdir\bin\db2\wca_deploy.bat` as follows:

```
wca_deploy datamartName datamartUser datamartPassword availableSystemMemory
```

where *datamartname* is the name of the datamart, *datamartUser* is the user of the datamart, *datamartPassword* is the datamart user's password, and *availableMemory* is the available memory in Kbytes from the Windows Task Manager - Performance tab - Physical Memory Available (after deactivating the WCAMART).

This script adjusts the datamart to optimize performance by performing the following actions:

- Turns off file system caching for tablespaces
- Turns on tablespace auto increasing for DMS tablespaces (prevents the tablespace from filling up)
- Reorganizes bufferpools and sizes for optimal memory use
- Adjusts DB and DBM configurations
- Changes RUNSTATS commands in WebSphere Commerce Analyzer code to not use distribution, which can be a problem in DB2 8.2

Check the file `\WCA_installdir\log\wca_deploy.log` for any errors that may have occurred.

8. Reinstall any APARs that you identified in "Identifying APARs" on page 1 which were not included in this fix pack.

Uninstalling the fix pack

Uninstalling the fix pack will restore the WebSphere Commerce Analyzer to the previous level. These instructions also remove the fix pack code that was updated at the same time the fix pack was applied to your system.

If you have applied the fix to the data mart database after the installation of the fix pack, it will remain at the current fix pack level. So following these instructions will not restore these fixes to the previous level.

Any preinstalled APARs were removed when you installed the fix pack. Uninstalling the fix pack does not reinstall the APARs. You must manually reinstall them.

Uninstall the fix pack by completing one of the following sections:

- “Removing the WebSphere Commerce Analyzer fix pack using the silent uninstallation method”
- “Removing the WebSphere Commerce Analyzer fix pack using the GUI method”

Removing the WebSphere Commerce Analyzer fix pack using the silent uninstallation method

1. Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.
2. Close WebSphere Commerce Analyzer Configuration Manager, if it is open.
3. Using the command line, navigate to the *fp_installdir* directory.
4. Run the following command.

```
updateSilent.bat fixpack uninstall wc_installdir WCA60_fp1
```

Note: If your installation path contains spaces, you must use the GUI installer or use the short name for the path.

For example, the short name for C:\Program Files on Windows platform is c:\progra~1.

For example, to remove the fix pack from WebSphere Commerce Analyzer:

```
updateSilent.bat fixpack uninstall c:\Progra~1\IBM\WCA WCA60_fp1
```

Check the “Path variables” on page v section for an explanation of the variables.

5. Ensure that the installer displays the following message: Fix pack uninstallation completed. If you do not get this message the installer will indicate which log files to check.

Removing the WebSphere Commerce Analyzer fix pack using the GUI method

1. Ensure that you are logged in with a Windows user ID that is a member of the Administrator group.
2. Close WebSphere Commerce Analyzer Configuration Manager, if it is open.

3. Using the command line, navigate to the *fp_installdir* directory and enter the following command:
updateWizard.bat
4. Select a language and then click **OK**.
5. Click **Next** to continue.
6. Click **Next** to accept WebSphere Commerce Analyzer release found on your computer. Otherwise, enter the path if it is not automatically found.
7. Select **Uninstall fix packs**. Click **Next**.
8. Select the WebSphere Commerce Analyzer 6.0.0.1 fix pack to be uninstalled. Click **Next** to continue.
9. Click **Next** to uninstall the fix pack.
10. Ensure that the installer displays the following message: Fix pack uninstillation completed. If you do not get this message the installer will indicate which log files to check. Click **Finish** to exit.

Appendix A. Troubleshooting

PATH or CLASSPATH variables are too long

When you run the `updateWizard.bat` command using the command prompt on the Windows platform, you might encounter either of these errors:

The input line is too long.

The syntax of the command is incorrect.

This is because your `PATH` or `CLASSPATH` variables are too long. Close the Command Prompt window you are working in and open a new one in order to reset these variables.

For example,

1. Open a command prompt window.
2. Type `set PATH=c:\progra~1`
3. Run `updateWizard.bat` again and you should not get the error.

Appendix B. New and changed updates

The following is a list of updates or improvements new to this fix pack only.

Interim fix #	Description
IY77003	Performance improvement for WebSphere Commerce Analyzer with large data sets.
IY79944	Unable to proceed with TWSA step in wca.60.ant and hit_facts step.
IY81309	Performance fix for the eff_calc_member step.
IY81553	Removes unwanted condition from the EffCalc_Member.sql.
IY81780	<ul style="list-style-type: none"> • More time taken for WebSphere Commerce Analyzer ETL steps, fact_orders, and fact_orderitems • Failure of fact_orders step because of primary key issue.
IY82301	Performance fix for the eff_calc_orders step.
IY82306	Index performance fix.
IY82727	Removing hardcoded value by using wca_perf.bat.
IY83511	Improved the performance of the eff_calc_orderitems step.
IY86783	Replication not starting.
IY88184	WebSphere Commerce Analyzer fails during replication with a string delimiter error.
IY89785	<ul style="list-style-type: none"> • Column size mismatch in WCAETL.BROWSER1_INFO.BRAGENT • UpdPcStats.java having syntax error "whereiwh" • Change path of the file intermediate_runstats.bat
JR22243	General ETL Performance improvements and specific performance improvements to fact_event, store_rel, fact_email_stats. This APAR has been bundled into JR23158.
JR22896	Extraction stopped at the fact_interest step.
JR23118	Performance issue in the hit_facts step.
JR23129	Correction to the navigation_fact step which was showing an exception.
JR23130	Improvement for member performance.
JR23158	Performance improvement for WebSphere Commerce Analyzer with large data sets.
JR23441	<ul style="list-style-type: none"> • Performance fix for the eff_calc_orderitems step. • Corrects problems with the SQL files for the fact_orders, fact_orderitems, and eff_calc_orderitems steps.
JR23446	Alter table space.
JR23581	Performance improvement to the fact_orders step.
JR23586	Performance improvement to the update_orders ETL step.
JR23846	<ul style="list-style-type: none"> • Performance improvement and Item Price SQL exceptions. • Performance enhancements.
JR24208	During ETL, the FACT_EVENT table fails because USRTRAFFIC.QUERYSTRING can contain null values for storeid
JR24509	Corrected a quantity format in the querystring.

Interim fix #	Description
JR24510	product_attribute ETL step having language dependency
JR24594	The currency_conversion step is not properly populating the table because of pruning.
JR24722	Corrected the features step, which was failing due to a column size mismatch.
JR25040	<ul style="list-style-type: none"> <li data-bbox="600 411 1263 443">• Failure of DMS TABLESPACE creation because of a defect. <li data-bbox="600 449 1414 514">• WebSphere Commerce Analyzer Console reset error button resetting ETL to first PROC.

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