

IBM® WebSphere® Commerce

FixPak Version 5.4.0.2

For **AIX®/Solaris™ Operating Environment
software/Windows NT® and Windows® 2000**

Installation Guide

Note:

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 22.

First Edition, first revision (July 2002)

This edition applies to version 5.4 of IBM WebSphere Commerce Business Edition for AIX, IBM WebSphere Commerce Professional Edition for AIX, IBM WebSphere Commerce Business Edition for Solaris, IBM WebSphere Commerce Professional Edition for Solaris, IBM WebSphere Commerce Business Edition for Windows NT and Windows 2000 and IBM WebSphere Commerce Professional Edition for Windows NT and Windows 2000 and to all subsequent releases and modifications until otherwise indicated in new editions. Ensure you are using the correct edition for the level of the product.

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Chapter 1 Introduction

This document describes the steps required to apply the WebSphere Commerce 5.4.0.2 FixPak to your WebSphere Commerce Business Edition 5.4 or WebSphere Commerce Professional Edition 5.4 system. WebSphere Commerce fixes and features included in this FixPak are also listed in this document.

The WebSphere Commerce 5.4.0.2 FixPak contains:

- The WebSphere Commerce 5.4.0.2 Product and Installation Guide
- WebSphere Commerce eFixes

If you are applying this FixPak to a base WebSphere Commerce 5.4 system, upgrades are required to the supporting software stack. This document should be read in its entirety, before installing the FixPak. If you have installed any WebSphere Commerce eFixes prior to this FixPak, and have any concerns regarding the removal of those eFixes, please contact WebSphere Commerce Support.

Chapter 2 Product editions

Versions supported by this FixPak

This FixPak supports the following WebSphere Commerce Version 5.4 editions:

- Business Edition English
- Professional Edition English
- Business Edition NLV
- Professional Edition NLV

This FixPak also supports WebSphere Commerce Version 5.4 on the following operating systems:

- AIX
- Solaris
- Windows NT or Windows 2000

The WebSphere Commerce 5.4.0.2 FixPak can be applied to the 5.4 base level (5.4.0.0) or a system with the 5.4.0.1 FixPak applied.

WebSphere Commerce Studio users

For more information on how to install the WebSphere Commerce FixPak Version 5.4.0.2 on your WebSphere Commerce Studio machine, see page 17.

Chapter 3 New and changed components

Updates

For base WebSphere Commerce 5.4 systems, this release incorporates the following updates:

- WebSphere Application Server eFixes
- DB2 Universal Database FixPak 6

Fixes

This release includes improvements or updates to the following areas:

- Access Control
- Catalog
- Catalog Manager
- Collaboration
- Contracts
- Installation
- Migration
- Updated Store Models
- Orders
- Performance
- Search
- Security
- Tools Framework
- WebEditor

Additions to the Load command

To improve performance during instance creation, the following two items have been added as options for the `-method` parameter of the Load command.

-method createonly

Use the `createonly` option with the `-method` parameter to create mass-load data (MLD) files without loading the data into the database. The files that are created when you use this option (`.mld` and `.cmd` files) are placed in a directory named “MassLoadOutputFiles.” This directory is created as a subdirectory under the directory from which you run the Load command (i.e., your working directory); therefore, your working directory must be writable.

Here is an example of running the Load command using the createonly option with the -method parameter on a Windows system:

```
massload -dbname mall -dbuser db2admin -dbpwd db2admin
-infile c:\WebSphere\CommerceServer\data\example.xml
-method createonly
```

You can later use your native database load utility to load the MLD files that you created into a WebSphere Commerce database by running the Load command using the loadonly option with the -method parameter as described below.

Note: The program obtains information about the native database load utility that your database product uses from the customizer property file. For more information on the customizer property file, see the *IBM WebSphere Commerce 5.4 Catalog Manager User's Guide*.

-method loadonly -directory *fullpathdir*

Use the loadonly option with the -method parameter to load MLD files that were created using the createonly option with the -method parameter as described above. When you use the loadonly option, you must also use the -directory parameter or an error will result.

Note: The -directory parameter replaces the -infile parameter that you would specify if you were using any other option with the -method parameter.

For the value of the -directory parameter, you must specify the fully qualified path of the MassLoadOutputFiles directory that was created using the createonly option; in addition, the MassLoadOutputFiles directory and the files within it must be writable.

Here is an example of running the Load command using the loadonly option with the -method parameter (and the required -directory parameter) on a Windows system:

```
massload -dbname mall -dbuser db2admin -dbpwd db2admin -method loadonly -directory
c:\WebSphere\CommerceServer\bin\MassLoadOutputFiles -schemaname wcsadmin
```

We recommend that you always specify the name of the target database schema using the -schemaname parameter when you run the Load command using this option. Otherwise, the program uses the name of the database schema obtained when the MassLoadOutputFiles directory and its files were originally created.

Use the loadonly option with the -method parameter **only** for instance creation. If you use it at any other time, the result may not be desirable.

When you use the `loadonly` option with the `-method` parameter, errors and other messages are saved in files that have a `.log` extension. These log files are written to the `MassLoadOutputFiles` directory specified for the `-directory` parameter.

For more information on the `Load` command, including information on other options that can be used with the `-method` parameter, see the *IBM WebSphere Commerce 5.4 Catalog Manager User's Guide*.

Chapter 4 Installing the FixPak

To apply this FixPak, your WebSphere Commerce version must be at a 5.4 or 5.4.0.1 level on the AIX, Solaris, Windows NT, or Windows 2000 operating system. If you have installed any other WebSphere Commerce eFixes prior to applying this FixPak, please contact WebSphere Commerce Support.

Ensure that you back up your database before applying this FixPak. For instructions on how to back up your database, see your database software documentation.

Default installation paths

When this book refers to installation paths, it uses the following default paths:

- *WC_HOME*: the WebSphere Commerce root directory. For example, the default path for AIX is:
`/usr/WebSphere/CommerceServer`
- *WAS_HOME*: the WebSphere Application Server root directory e.g. the default path for AIX is:
`/usr/WebSphere/AppServer`
- *WC_APPLICATION_HOME*: the name of the WebSphere Commerce enterprise application. The default name for AIX is:
`WC_Enterprise_App_[instance name].ear`

Pre-installation

All platforms

- If WebSphere Application Server Version 4.0.2 is already installed, do the following:
 1. Open a Web browser and navigate to the following Web page:
<http://www.ibm.com/software/webservers/appserv/support.html>
 2. Select *Support Downloads > All efixes, fixpaks and tools*.
 3. Search for, and download the following eFix:
PQ58584 - EJB Container cumulative eFix and workaround for problem with reflectionAPI
- A memory leak exists in the version of DB2 (7.1.0.55) that was shipped with Websphere Commerce 5.4. The issue has been addressed with DB2 FP6 (7.1.0.60). Refer to the DB2 APAR IY26608 at:
<http://www.ibm.com/support/manager.wss?rs=0&rt=0&org=SW&doc=1049150>
If you are running the version DB2 that was originally shipped with WebSphere Commerce 5.4, you must upgrade to DB2 version 7.1.0.60. Please note that a BIND is required for all databases, see the DB2 FixPak readme for details.

DB2 V.7 FixPaks can be found at the following Web site:

<http://www.ibm.com/cgi-bin/db2www/data/db2/udb/winos2unix/support/v7fphist.d2w/report>

AIX users

If WebSphere Application Server Version 4.0.2 is already installed, you must apply the following eFix:

PQ59010 - 4.0.x: Out of memory failure on AIX with WebSphere security

WebSphere Application Server eFixes can be found at the following Web site:

<http://www.ibm.com/software/webservers/appserv/support.html>

Navigate to the *Support Downloads > All efixes, fixpaks and tool*.

Installation

AIX

To install the WebSphere Commerce version 5.4.0.2 FixPak, complete the following steps:

1. Download the FixPak from the IBM Web site

`www.ibm.com/software/webrowsers/commerce/wc_pe/downloads.html`

or

`www.ibm.com/software/webrowsers/commerce/wc_be/downloads.html`

Extract the files into a temporary directory. This directory must be writeable.

2. Ensure you are logged in as the root user for WebSphere Commerce.

3. Stop the following:

- Web server and its respective administration processes
- WebSphere Application Server
- WebSphere Commerce Configuration Manager Server

For instructions on how to stop and start these components, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

4. Enter the following command from the temporary directory:

```
./install_wc.sh WC_HOME WAS_HOME WC_EDITION
```

For example:

```
./install_wc.sh /usr/WebSphere/CommerceServer/ usr/WebSphere/AppServer  
Business
```

or

```
./install_wc.sh /usr/WebSphere/CommerceServer/ usr/WebSphere/AppServer Pro
```

5. If you have previously created an instance you must run the following script for each instance:

```
./install_was.sh WC_HOME WAS_HOME WC_APPLICATION_HOME WC_EDITION WC_DBTYPE
```

For example:

```
./install_was.sh /usr/WebSphere/CommerceServer /usr/WebSphere/AppServer  
WC_Enterprise_App_instance_name.ear Business DB2
```

6. To confirm that the WebSphere Commerce 5.4.0.2 FixPak installation was successful, check the following log file:

```
/usr/WebSphere/CommerceServer/service/fixpack/5402/WCfixpack5402_wc_AIX.log
```

The text “Completed WebSphere Commerce 5.4.0.2 Fixpack Install with no errors.” should be shown at the end of the log file.

7. On a three tier system, ftp and then untar the following file to your Web server machine:
`/usr/WebSphere/CommerceServer/service/fixpack/5402/wc54wasefixunix.tar`

Run the script `wc54wasefixunix.sh`, which will apply the WebSphere Application Server plugin eFix to the web server. The script will require that the IBM WebSphere Commerce, Version 5.4 Disk 2 is inserted into the Web server's cdrom drive.

8. Restart the following:
 - Web server and its respective administration processes
 - WebSphere Application Server
 - WebSphere Commerce Configuration Manager Server

For instructions on how to stop and start these components, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

Solaris

To install the WebSphere Commerce version 5.4.0.2 FixPak, complete the following steps:

1. Download the FixPak from the IBM Web site and extract the files into a temporary directory. This directory must be writeable.
2. Ensure you are logged in as the root user for WebSphere Commerce.
3. Stop the following:
 - Web server and its respective administration services
 - WebSphere Application Server
 - WebSphere Commerce Configuration Manager Server

For instructions on how to stop and start these components, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

4. Run the following command from the temporary directory:

```
./install_wc.sh WC_HOME WAS_HOME WC_EDITION
```

For example:

```
./install_wc.sh /opt/WebSphere/CommerceServer /opt/WebSphere/AppServer  
Business
```

or

```
./install_wc.sh /opt/WebSphere/CommerceServer /opt/WebSphere/AppServer Pro
```

5. If you have previously created an instance(s) then for each instance, run the following command from the temporary directory:

```
./install_was.sh WC_HOME WAS_HOME WC_APPLICATION_HOME WC_EDITION WC_DBTYPE
```

For example:

```
./install_was.sh /opt/WebSphere/CommerceServer /opt/WebSphere/AppServer  
WC_Enterprise_App_instance_name.ear Business DB2
```

or

```
./install_was.sh /opt/WebSphere/CommerceServer /opt/WebSphere/AppServer  
WC_Enterprise_App_instance_name.ear Pro Oracle
```

6. Confirm that the WebSphere Commerce 5.4.0.2 FixPak installation was successful by checking the following log file:

```
/opt/WebSphere/CommerceServer/service/fixpack/5402/WCfixpack5402_wc_SUN.log
```

7. On a three-tier system, ftp then untar the file

`/opt/WebSphere/CommerceServer/service/fixpack/5402/wc54wasefixunix.tar` to the web server machine. Then run the script `wc54wasefixunix.sh`, which will apply the updated WebSphere Application Server plugin eFix to the web server. The script will require that the IBM

WebSphere Commerce version 5.4 disk 2 be inserted into the web server's cdrom drive.

8. Restart the following:

- Web server services and their respective administration services
- WebSphere Application Server service
- WebSphere Commerce Configuration Manager Server services

For instructions on how to stop and start these processes, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

Windows NT and Windows 2000 - WebSphere Commerce Machine

To install the WebSphere Commerce version 5.4.0.2 FixPak on your WebSphere Commerce machine, complete the following steps:

1. Download the FixPak from the IBM Web site and extract the files into a temporary directory. This directory must be writeable.
2. Ensure you are logged in with a Windows user ID that is a member of the Administrators group.
3. In the services panel, stop the following services:
 - Web server services and their respective administration services
 - WebSphere Application Server service
 - WebSphere Commerce Configuration Manager Server servicesFor instructions on how to stop and start services, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.
4. Run the following command from the temporary directory: `install_wc`

You will be asked if you are applying this FixPak to IBM WebSphere Commerce Studio (enter (n)o) then you will be prompted for the `WC_HOME` and `WAS_HOME` directories, and `WC_EDITION`

For example:

```
Install_wc
Are you applying this Fixpack to IBM WebSphere Commerce Studio?
n
Enter the directory where IBM WebSphere Commerce Server is installed
C:\Program Files\WebSphere\CommerceServer
Enter the directory where IBM WebSphere Application Server is installed
C:\Program Files\WebSphere\AppServer
Enter the installed Edition of the IBM WebSphere Commerce Server
Business
```

If you have previously created an instance then for each instance, from the temporary directory, type: `install_was`

You will be prompted for the `WC_HOME` directory, `WAS_HOME` directory, `WC_DBTYPE`, `WC_EDITION` and `WC_APPLICATION_HOME` name.

For example:

```
install_was
Enter the directory where IBM WebSphere Commerce Server is installed
C:\Program Files\WebSphere\CommerceServer
Enter the directory where IBM WebSphere Application Server is installed
C:\Program Files\WebSphere\AppServer
```

Enter the installed database to be used with the IBM WebSphere Commerce Server

DB2

Enter the installed Edition of the IBM WebSphere Commerce Server

Business

Enter the directory where your Application is installed in the InstalledAps directory

WC_Enterprise_App_instance_name.ear

- 5 Confirm that the WebSphere Commerce 5.4.0.2 FixPak installation was successful by checking the following log file:

`WC_HOME\service\fixpack\5402\WCfixpack5402_wc_WIN.log`

Ensure that no errors were reported. The text “Completed WebSphere Commerce 5.4.0.2 Fixpack Install with no errors.” should be shown at the end of the log file.

- 6 Restart the following services:
 - Web server services and their respective administration services
 - WebSphere Application Server service
 - WebSphere Commerce Configuration Manager Server services

For instructions on how to stop and start services, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

Windows NT and Windows 2000 - Studio Machine

To install the WebSphere Commerce version 5.4.0.2 FixPak on your WebSphere Commerce Studio machine, complete the following steps:

1. Download the FixPak from the IBM Web site and extract the files into a temporary directory. This directory must be writeable.
2. Ensure you are logged in with a Windows user ID that is a member of the Administrators group.
3. In the services panel, stop the following services:
 - Web server services and their respective administration services
 - WebSphere Application Server service
 - WebSphere Commerce Configuration Manager Server services

For instructions on how to stop and start services, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

4. Run the following command from the temporary directory: `install_wc`

You will be asked if you are applying this FixPak to IBM WebSphere Commerce Studio (enter (y)es) then you will be prompted for the `WC_HOME` and `JAVA_HOME` directories, and `WC_EDITION`

For Example:

```
Install_wc
```

```
Are you applying this Fixpack to IBM WebSphere Commerce Studio?
```

```
Y
```

```
Enter the directory where IBM WebSphere Commerce Studio is installed
```

```
C:\Program Files\WebSphere\CommerceServerDev
```

```
Enter the directory where java.exe is located
```

```
C:\Program Files\IBM\sd\jre\ibm
```

```
Enter the installed Edition of the IBM WebSphere Commerce Server
```

```
Pro
```

5. Confirm that the WebSphere Commerce 5.4.0.2 FixPak installation was successful by checking the following log file:

```
WC_HOME\service\fixpack\5402\WCfixpack<edition>5402_wc_WIN.log
```

Ensure that no errors were reported. The text “Completed WebSphere Commerce 5.4.0.2 Fixpack Install with no errors.” should be shown at the end of the log file.

6. Restart the following services:
 - Web server services and their respective administration services
 - WebSphere Application Server service

- WebSphere Commerce Configuration Manager Server services

For instructions on how to stop and start services, refer to “Starting and Stopping WebSphere Commerce Components” in the *IBM WebSphere Commerce version 5.4 Installation Guide*.

Post-installation

Oracle users

An error in the *WC_HOME*schema/oracle/wcs.stage.trigger.sql file causes the trigger USTG_TRDDESC to work incorrectly with Oracle staging databases. This problem was corrected in the WebSphere Commerce 5.4.0.1 FixPak. If you do not have the 5.4.0.1 Fixpak applied to your system, you may want to apply the following fix.

For customers with an existing Oracle staging database who wish to apply the fix, please complete the following steps, after the 5.4.0.2 FixPak has been applied:

1. Using SQLPLUS, connect to your staging database with the userid that WebSphere Commerce instance uses to connect to the database (for example, WC)
2. Run:

```
sqlplus wcs/wcs@o817 < wcs.stage.trigger.sql
```

from the *WC_HOME* directory, where *wcs/wcs* is the user ID and *o817* is the database name.

After applying this FixPak, the trigger USTG_TRDDESC will work properly for Oracle databases.

Chapter 5 Troubleshooting guide

Please reference *IBM WebSphere Commerce version 5.4 Installation Guide* for general troubleshooting information. The information provided below is specific to this FixPak.

If you should experience problems during the installation this FixPak, do not attempt to reinstall the FixPak before you run the uninstall script (see below for the directories that contain the uninstall scripts).

Reinstalling the FixPak, without first uninstalling it, will overwrite the backup JAR files created during the initial installation (see below for the directories that contain the backup JAR files).

AIX: `/usr/WebSphere/CommerceServer/service/fixpack/5402/`

Solaris: `/opt/WebSphere/CommerceServer/service/fixpack/5402`

Windows NT/ Windows 2000: `drive:\WebSphere\CommerceServer\service\fixpack\5402`

The uninstall process will add information to both the install and uninstall logs.

Technotes:

Refer to the following technotes if the abstract applies to your system. You can find these technotes at:

www.ibm.com/software/webservers/commerce/wc_be/support.html

www.ibm.com/software/webservers/commerce/wc_pe/support.html

Technote #	Abstract
1053492	Some constraints are missing in Product Advisor database tables causing FashionFlow store publish to fail
1053765	Product Advisor performance improvement
1054327	How search schema optimization parameters improve performance using DB2 or Oracle
1054760	IDREGEN does not resolve CPPMN_ID from CPPMNDESC table, causing the FashionFlow store publish to fail
1054765	Upgrading to WebSphere Application Server to 4.0.3
1055289	Errors from the Scheduler EJB beans at shutdown
1055304	Running database scripts and logging exceptions after running wcpostinstall.sh again
1055305	Permission and access denied for trace.txt and message.txt
1055306	Running scripts as the database owner in non-root
1055308	Files have incorrect ownership permissions

AIX and Solaris:

If you are installing this FixPak on a new WebSphere Commerce 5.4 system, ensure that you run the WebSphere Commerce 5.4 `wcpostinstall` script from the base package in the `WC_HOME/bin` directory as part of the initial WebSphere Commerce 5.4 installation. If you attempt to install this FixPak before the `wcpostinstall.sh` script has been run, the FixPak installation will fail.

Chapter 6 Notices

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