

IBM WebSphere Studio Application Monitor V3.2

Readme for the update installer V3.2.0.2

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1 Abstract

The Update Installer for WebSphere Studio Application Monitor V3.2 provides the following functionality:

- A silent command-line update installer.
- Installation and removal of individual and of multiple updates (Fix Packs and interim fixes).
- Logging, tracking and prerequisite handling.

This readme describes how to install and uninstall updates.

2 Change History

3.2.0.2 January 20, 2006

- Added new command-line options (-displayInstalledUpdates, -cleanPrepared, -rollback)
- Improved uninstalling procedure
- Improved installation updates to Weblogic targets
- Bugfixes

3.2.0.1

- First release.

3 Installing Updates

This section describes how to install Fix Packs and interim fixes.

3.1 Unpacking Update

The Fix Packs and interim fixes are distributed as tar files. Create a temporary directory, put the update package there and un-tar.

The Fix Pack tar will typically contain two tars: one for Data Collectors and the other for Managing Server. Un-tar them as described in the Fix Pack readme.

After un-taring the update package you should get the updates directory that contains the file with the *.update extension. For example:

```
>tar xvf 3.2.2.0-TIV-WSAM_MP-IF0001.tar  
  
Readme.3220.01.txt  
updates/  
updates/3.2.2.0-TIV-WSAM_MP-IF0001.update
```

3.2 Unpacking the Update Installer

Copy the update installer tar to the same directory were you un-tared the update package. This directory will typically contain the **updates** subdirectory. Un-tar the update installer package using the tar command, for example:

```
>tar xvf WSAM_UpdateInstaller_3.2.0.2.tar  
  
silentUpdate.bat  
silentUpdate.properties  
silentUpdate.sh  
update.jar
```

The resulting directory structure will contain both, the update installer and the update file. For example:

```
silentUpdate.bat  
silentUpdate.properties  
silentUpdate.sh  
update.jar  
Readme.3220.01.txt  
updates/  
updates/3.2.2.0-TIV-WSAM_MP-IF0001.update
```

3.3 Preparing Environment

Before running the update installer you should login as root (Administrator) or owner of the product directory. Then update the environment as below.

The update installer requires the Java Runtime Environment version 1.3.1 or higher. Either include the java command into PATH or define the JAVA_HOME environment variable to point to the Java Runtime Environment home directory.

For example, on UNIX or Linux, run:

```
JAVA_HOME=/opt/WebSphere/AppServer/java
export JAVA_HOME
```

3.4 Updating the Response File

The update installer is non-interactive silent installer that works based on the response file. The default name of the response file is silentUpdate.properties and it is supplied with the update installer. Update the response file as follows:

- Set the **product.location** property with the correct product location directory
- Optionally, if the *.update files are not in default ./updates directory, then set the **updates.loction** property with the directory that contains the *.update files.
- Set the **wls.library** property with the correct WebLogic library location directory, if you are going to install updates to Managing Server under WebLogic

Note: the response file is Java Properties file. Any backward-slashes should be doubled, for example:

```
product.location=C:\\Program Files\\IBM\\WSAM
```

3.5 Preparing Installation

To reduce the application server or Managing Server down-time the update installer allows to prepare installation while the product is running. This steps is optional but is recommended.

In order to prepare installation change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -prepareInstall
```

UNIX or Linux:

```
./silentUpdate.sh -prepareInstall
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -prepareInstall my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -prepareInstall my.properties
```

A typical output of the -prepareInstall command is:

```
>./silentUpdate.sh -prepareInstall  
Update installer version 3.2.0.2  
Logging details into /opt/ibm/wsam/logs/update/update_20050916213723.log  
Action: prepare install  
Finished successfully
```

3.6 Cleaning Prepared Installation

To clean results of '-prepareInstall' command change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -cleanPrepared
```

UNIX or Linux:

```
./silentUpdate.sh -cleanPrepared
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -cleanPrepared my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -cleanPrepared my.properties
```

A typical output of the -cleanPrepared command is:

```
>./silentUpdate.sh -cleanPrepared  
Update installer version 3.2.0.2  
Logging details into /opt/IBM/wsam/logs/update/update_20050916213723.log  
Action: clean prepared  
Finished successfully
```

3.7 Installing

It is recommended that you run the -prepareInstall command before installing the update, see the previous section for details.

Before installing the update you should stop the product that you will update, i.e. the application server being monitored or the Managing Server components.

After you stopped the product change to the directory where the update installer scripts are stored and run the following command.

Windows:

```
silentUpdate.bat -install
```

UNIX or Linux:

```
./silentUpdate.sh -install
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -install my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -install my.properties
```

A typical output of the -install command is:

```
>./silentUpdate.sh -install
Update installer version 3.2.0.2
Logging details into /opt/ibm/wsam/logs/update/update_20050916213723.log
Action: install
Finished successfully
```

3.8 Rolling Back Failed Installation

To rollback failed installation change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -rollback
```

UNIX or Linux:

```
./silentUpdate.sh -rollback
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -rollback my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -rollback my.properties
```

A typical output of the -rollback command is:

```
>./silentUpdate.sh -rollback
Update installer version 3.2.0.2
Logging details into /opt/IBM/wsam/logs/update/update_20050916213723.log
Action: rollback
Finished successfully
```

4 Uninstalling Update

This section describes how to uninstall Fix Packs and interim fixes.

4.1 Unpacking the Update Installer

The all necessary uninstall information is stored to the product directory under the **update** sub-directory. You don't need the original update package in order to uninstall it. So download the latest update installer and un-tar it:

```
>tar xvf WSAM_UpdateInstaller_3.2.0.2.tar

silentUpdate.bat
silentUpdate.properties
silentUpdate.sh
update.jar
```

4.2 Preparing Environment

Before running the update installer you should login as root (Administrator) or owner of the product directory. Then update the environment as below.

The update installer requires the Java Runtime Environment version 1.3.1 or higher. Either include the java command into PATH or define the JAVA_HOME environment variable to point to the Java Runtime Environment home directory.

For example, on UNIX or Linux, run:

```
JAVA_HOME=/opt/WebSphere/AppServer/java
export JAVA_HOME
```

4.3 Updating the Response File

The update installer is non-interactive silent installer that works based on the response file. The default name of the response file is silentUpdate.properties and it is supplied with the update installer. Update the response file as follows:

- Set the **product.location** property with the correct product location directory
- Set the **wls.library** property with the correct WebLogic library location directory, if you are going to uninstall updates from Managing Server under WebLogic

- Set the **uninstall.updates** property with the one of possible values:
 - **all** – uninstall all updates
 - **last** – uninstall the updates installed by the last -install command
 - **<comma separated list of updates>** -- uninstall the specified updates. The updates are specified by their identifiers as displayed by the `-listInstalledUpdates` command. (f.e. 3.2.2, 3.2.2.0.2)

Note: the response file is Java Properties file. Any backward-slashes should be doubled, for example:

```
product.location=C:\\Program Files\\IBM\\WSAM
```

4.4 Preparing Uninstallation

To reduce the application server or Managing Server down-time the update installer allows to prepare uninstallation while the product is running. This steps is optional but is recommended.

In order to prepare uninstallation change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -prepareUninstall
```

UNIX or Linux:

```
./silentUpdate.sh -prepareUninstall
```

If your response file is named differently then the default `silentUpdate.properties` then specify it as a parameter:

Windows:

```
silentUpdate.bat -prepareUninstall my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -prepareUninstall my.properties
```

A typical output of the `-prepareUninstall` command is:

```
>./silentUpdate.sh -prepareUninstall
Update installer version 3.2.0.2
Logging details into /opt/ibm/wsam/logs/update/update_20050916213723.log
Action: prepare uninstall
Finished successfully
```

4.5 Cleaning Prepared Uninstallation

To clean results of '`-prepareUninstall`' command change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -cleanPrepared
```

UNIX or Linux:

```
./silentUpdate.sh -cleanPrepared
```

If your response file is named differently than the default `silentUpdate.properties` then specify it as a parameter:

Windows:

```
silentUpdate.bat -cleanPrepared my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -cleanPrepared my.properties
```

A typical output of the `-cleanPrepared` command is:

```
>./silentUpdate.sh -cleanPrepared
Update installer version 3.2.0.2
Logging details into /opt/IBM/wsam/logs/update/update_20050916213723.log
Action: clean prepared
Finished successfully
```

4.6 Uninstalling

It is recommended that you run the `-prepareUninstall` command before uninstalling the update, see the previous section for details.

Before uninstalling the update you should stop the product that you will update, i.e. the application server being monitored or the Managing Server components.

After you stopped the product change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -uninstall
```

UNIX or Linux:

```
./silentUpdate.sh -uninstall
```

If your response file is named differently than the default `silentUpdate.properties` then specify it as a parameter:

Windows:

```
silentUpdate.bat -uninstall my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -uninstall my.properties
```

A typical output of the -uninstall command is:

```
>./silentUpdate.sh -uninstall  
Update installer version 3.2.0.2  
Logging details into /opt/ibm/wsam/logs/update/update_20050916213723.log  
Action: uninstall  
Finished successfully
```

4.7 Rolling Back Failed Uninstallation

To rollback failed uninstallation change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -rollback
```

UNIX or Linux:

```
./silentUpdate.sh -rollback
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -rollback my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -rollback my.properties
```

A typical output of the -rollback command is:

```
>./silentUpdate.sh -rollback  
Update installer version 3.2.0.2  
Logging details into /opt/IBM/wsam/logs/update/update_20050916213723.log  
Action: rollback  
Finished successfully
```

5 Displaying Installed Updates

This section describes how to display versions of installed Fix Packs and interim fixes.

5.1 Unpacking the Update Installer

The all necessary information is stored to the product directory under the **update** sub-directory. You don't need the original update package in order to look information about installed updates. So download the latest update installer and un-tar it:

```
>tar xvf WSAM_UpdateInstaller_3.2.0.2.tar  
  
silentUpdate.bat  
silentUpdate.properties  
silentUpdate.sh  
update.jar
```

5.2 Preparing Environment

Before running the update installer you should login as root (Administrator) or owner of the product directory. Then update the environment as below.

The update installer requires the Java Runtime Environment version 1.3.1 or higher. Either include the java command into PATH or define the JAVA_HOME environment variable to point to the Java Runtime Environment home directory.

For example, on UNIX or Linux, run:

```
JAVA_HOME=/opt/WebSphere/AppServer/java  
export JAVA_HOME
```

5.3 Updating the Response File

The update installer is non-interactive silent installer that works based on the response file. The default name of the response file is silentUpdate.properties and it is supplied with the update installer. Update the response file as follows:

- Set the **product.location** property with the correct product location directory

Note: the response file is Java Properties file. Any backward-slashes should be doubled, for example:

```
product.location=C:\\Program Files\\IBM\\WSAM
```

5.4 Displaying Installed Updates

To display versions of installed Fix Packs and interim fixes change to the directory where the update installer scripts are stored and run the following command:

Windows:

```
silentUpdate.bat -displayInstalledUpdates
```

UNIX or Linux:

```
./silentUpdate.sh -displayInstalledUpdates
```

If your response file is named differently then the default silentUpdate.properties then specify it as a parameter:

Windows:

```
silentUpdate.bat -displayInstalledUpdates my.properties
```

UNIX or Linux:

```
./silentUpdate.sh -displayInstalledUpdates my.properties
```

A typical output of the - displayInstalledUpdates command is:

```
>./silentUpdate.sh - displayInstalledUpdates  
Update installer version 3.2.0.2  
Logging details into /opt/ibm/wsam/logs/update/update_20060121163339.log  
Action: display installed updates  
Updates installed 20.02.06 16:53  
    3.2.2.0.3  
Updates installed 20.02.06 16:53  
    3.2.2.0.2  
Updates installed 20.02.06 16:52  
    3.2.2  
Finished successfully
```