

APTARE StorageConsole

DST Upgrade Guide



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1. Introduction

This document provides instructions for applying the DST update to APTARE StorageConsole. These updates need to be applied to your system *prior* to March 11th, 2007 in order to be fully DST compliant.

Do I need the DST update?

You will need to apply the DST update if you have a Portal, Database, Master, or Data Collector server running in a country that is affected by the DST change *and* the version of software for your **initial** install was *earlier than 6.0.14*.

You do **not** need to apply the DST updates if the version of software for your **initial** install was **6.0.14**.

If you have *upgraded* to version 6.0.14, you still need to apply the update.

Two of the third party products used by APTARE StorageConsole – Oracle and Java – require updating. This document describes how to apply the Oracle update to your Database server, and the Java updates to all the systems where Java components run – i.e. the Portal, Master and Data Collector servers.

Separate instructions are provided as necessary for Windows and UNIX.

IMPORTANT NOTE: These updates assume that you are running APTARE StorageConsole version 5.2 or later. If you are on a version prior to 5.2, you should first upgrade to the latest release and then apply the DST updates.

If at any time during the install you encounter a problem, or if you simply want to verify a step or have a question about the upgrade, please contact the APTARE Customer Care Group which will be happy to assist you:

Customer Care Group Contact Information

Phone: 1 866-9-APTARE

Email: support@aptare.com

Support Hours: 8:30am - 5:30pm Pacific Time

2. NetBackup Master Server or Data Collector Server DST Updates

This section will guide you through the steps to install the updated version of Java on your NetBackup Master Server or TSM, Backup Exec or Legato Data Collector Servers. The instructions assume you have already downloaded the specific update installer file for your OS platform.

Installation should be performed as user root for UNIX systems, or as an Administrator user for Windows systems.

At a high level, the Java DST update utility does the following:

1. Prompts for the directory into which the Agent or Data Collector was initially installed (default is /opt/aptare or C:\Program Files\Aptare)
2. Shuts down the Agent or Data Collector services
3. Unzips an updated version of the Java JDK into *install_dir*/jre overlaying the existing java binaries (where *install_dir* is for example “/opt/aptare/jre”),
4. Restarts the Agent or Data Collector services

If for any reason you prefer to apply this Java update manually, simply download the appropriate JDK zip file for your OS from the APTARE web site, and follow the above steps manually.

2.1. Running the upgrade utility installer.

2.1.1. Run the upgrade utility installer file as follows:

2.1.1.1. On Windows from a command prompt execute:

```
storageconsoledstupgrade.exe
```

2.1.1.2. On UNIX:

```
sh ./storageconsoledstupgrade.bin
```

2.1.2. Follow the installer prompts to extract the upgrade files and utilities. Make sure you know the directory where your Agent or Data Collector is installed. If you make a mistake at a prompt, type “back” to go back to the previous step.

2.1.3. When the installer completes you can verify the updated version of Java was installed by running:

```
install_dir/jre/bin/java -version (e.g. C:\Program Files\Aptare\jre\bin\java -version)
```

Verify that the version of Java is 1.5.0_09 or greater.

3. UNIX Oracle Database or Portal Server DST Updates

This section will guide you through the steps to install the updated version of Java on your Portal Server and the Oracle DST time zone update on your Oracle database server. The Portal and Oracle database servers are typically the same physical server, but in some cases these two components may be on separate servers. The update utility will run in either scenario and will only apply the relevant updates for the components installed on the server.

The instructions below assume you have already downloaded the specific update installer file for your OS platform.

Installation should be performed as user root.

The upgrade process consists of two main steps:

1. Run the DST upgrade *installer* to extract the upgrade files and utilities onto your Portal or Database server.
2. Run the extracted upgrade *utility* to apply the upgrade to your system.

STEP 1: Running the DST upgrade installer

1. Run the DST upgrade installer file as follows:

```
sh ./storageconsoledstpatches.bin
```

2. Follow the installer prompts to extract the upgrade files and utilities to the `/opt/aptare/upgrade/dstpatch` directory.
3. To apply the DST updates you must now run the upgrade utility (Step 2).

STEP 2: Running the DST upgrade utility

DST Upgrade Utility Overview

At a high level, the Portal DST update utility does the following:

1. Checks for the existence of the directory `/opt/aptare/portal` to determine if this is a Portal Server
2. If a Portal Server, checks the version of java installed under `/usr/java`. If the version is the older non-DST compliant version, an updated JDK is installed under `/usr/java_versions` and `/usr/java` is re-linked to this new version.
3. Checks for the existence of the directory `/opt/aptare/oracle` to determine if this is a Database server.
4. If a Database server, copies the updated Oracle DST compliant time zone file `/opt/aptare/upgrade/dstpatch/oracle/oracore/zoneinfo/timezone.dat` to `/opt/aptare/oracle/oracore/zoneinfo/`
5. Restarts the services via `/opt/aptare/bin/aptare restart`

Running the DST upgrade utility for UNIX

To run the upgrade utility, login as user root and execute:

```
sh /opt/aptare/upgrade/dstpatch/dstpatch.sh
```

Follow the prompts to apply the Portal and/or Oracle updates and then restart the application.

If you believe the upgrade process encountered any errors, please save a copy of the log file `/opt/aptare/upgrade/dstpatch/logs/upgrade_script.log` for any correspondence with the APTARE Customer Care Group.

A sample session for an upgrade on a Linux database/portal server can be found in Appendix A below.

4. Windows Oracle Database or Portal Server DST Updates

This section will guide you through the steps to install the updated version of Java on your Portal Server and the Oracle DST time zone update on your Oracle database server. The Portal and Oracle database servers are typically the same physical server, but in some cases these two components may be on separate servers. The update utility will run in either scenario and will only apply the relevant updates for the components installed on the server.

The instructions below assume you have already downloaded the specific update installer file for your OS platform.

Installation should be performed as an Administrator user for who is a member of the ORA_DBA group.

The upgrade process consists of two main steps:

1. Run the DST upgrade *installer* to extract the upgrade files and utilities onto your Portal or Database server.
2. Run the extracted upgrade *utility* to apply the upgrade to your system.

STEP 1: Running the DST upgrade installer

1. Run the DST upgrade installer file as follows:

From a command prompt execute:

```
storageconsoledstpatches.exe
```

2. Follow the installer prompts to extract the upgrade files and utilities to the C:\opt\aptare\upgrade\dstpatch directory.
3. To apply the DST updates you must now run the upgrade utility (step 2).

STEP 2: Running the DST upgrade utility

DST Upgrade Utility Overview

At a high level, the Portal DST update utility does the following:

1. Stops all services by running C:\opt\aptare\utils\stopallservices.bat
2. Checks for the existence of the directory C:\opt\jdk to determine if this is a Portal Server
3. If a Portal Server, an updated JDK is installed under C:\opt\jdk
4. Checks for the existence of the directory C:\opt\oracle to determine if this is a Database server.
5. If a Database server, copies the updated Oracle DST compliant time zone file C:\opt\aptare\upgrade\dskpatch\oracle\oracore\zoneinfo\timezone.dat to C:\opt\oracle\oracore\zoneinfo\
6. Restarts the services by running C:\opt\aptare\utils\startallservices.bat

Running the DST upgrade utility

To run the upgrade utility, login as an Administrator user who is a member of the ORA_DBA group, open a command prompt and execute:

C:\opt\aptare\upgrade\dstpatch\dstpatch.bat

Follow the prompts to apply the Portal and/or Oracle updates and restart the application.

If you believe the upgrade process encountered any errors, please save a copy of the log file C:\opt\aptare\upgrade\dstpatch\logs\upgrade_script.log for any correspondence with the APTARE Customer Care Group.

A sample session for an upgrade on a Linux database/portal server can be found in Appendix B below.

Appendix A – Example Oracle / Portal Upgrade for UNIX Servers

```
[root@linux1 dstpatch]# sh ./dstpatch.sh
Starting DST Upgrade script. Hit enter to continue...
Found portal directory /opt/aptare/portal.
Checking for Java...
Found directory /usr/java...
java version 1.5.0_06
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_06-b03)
Java HotSpot(TM) Client VM (build 1.5.0_06-b03, mixed mode, sharing)
We need 1.5.0_10
Installing updated Java - hit enter to continue...
Removed link /usr/java pointing to /usr/java_versions/jdk1.5.0_06/
Sun Microsystems, Inc. Binary Code License Agreement

for the JAVA 2 PLATFORM STANDARD EDITION DEVELOPMENT KIT 5.0

... JDK EULA is displayed and files are unpacked ...

Done.

Found directory /opt/aptare/oracle. Will apply Oracle DST timezone file updates...
Updated Oracle timezone files
End of DST Upgrade script
APTARE Portal processes will now be restarted. Hit enter to continue...
Stopping LDAP Service... OK
Stopping Portal Service... OK
Stopping Agent Service... OK
Stopping Charting Service... OK
Stopping Apache Web Service... OK
Stopping Policy Engine... OK
Stopping Notify Service... OK
Stopping XML Reporter Engine... OK
Stopping Oracle Listener... OK
Stopping Oracle Database... OK
Starting Oracle Database... OK
Starting Oracle Listener... OK
Starting Charting Service... OK
Starting Portal Service... OK
Starting Agent Service... OK
Starting Notify Service... OK
Starting Policy Engine... OK
Starting XML Reporter Engine... OK
Starting Apache Web Service... OK
Starting LDAP Service... OK
[root@linux1 dstpatch]#
```

Appendix B – Example Oracle / Portal Upgrade for Windows Servers

```
C:\> \opt\aptare\upgrade\dstpatch\dstpatch.bat
C:\>echo off
Starting Aptare DST Upgrade utility
Aptare services will now be shutdown
Press any key to continue . . .
The APTARE OpenLDAP service is stopping.
The APTARE OpenLDAP service was stopped successfully.

The APTARE Apache service is stopping.
The APTARE Apache service was stopped successfully.

The APTARE Portal Tomcat service is stopping.
The APTARE Portal Tomcat service was stopped successfully.

...etc...

The OraclescdbTNSListener service is stopping.
The OraclescdbTNSListener service was stopped successfully.

Portal components found. Updating Java.
Press any key to continue . . .
1335 File(s) copied
Oracle found. Updating Oracle timezone files.
Press any key to continue . . .
2 File(s) copied
Aptare services will now be restarted
Press any key to continue . . .
The APTARE OpenLDAP service is starting.
The APTARE OpenLDAP service was started successfully.

...etc...

The APTARE XML Reporter Service service is starting.
The APTARE XML Reporter Service service was started successfully.

C:\>
```