



# **Adeptia Suite 6.2 SP2**

## **Maintenance Patch**

### **Patch Deployment Guide**

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## Patch Details

**Patch Name** : AdeptiaSuite\_6\_2\_SP2\_01\_09Nov\_2015.zip  
**Build Tag** : Release\_6\_2\_SP2\_01\_05Nov2015

## Applies To

This is the incremental patch and can only be applied on Adeptia Suite Version 6.2 SP2 GA Release.

## Applying Patch

This section explains how to apply the patch.

### Pre-Requisites:

1. **Take the backup of the backend database.**

Before applying the patch, it is recommended to take the backup of the database that is used as backend by Adeptia Suite.

In case the embedded database is used as backend, follow the steps below to take its backup:

- a. Stop Kernel and WebRunner.
- b. Go to `./AdeptiaServer/ServerKernel` folder.
- c. Copy the `embeddedDB` folder and keep it into a separate folder.

In case any other database is used as backend database, you need to follow the backup instruction given by that Database Server.

To know, which database is used as backend database, refer to [Appendix A: Identify Backend Database](#).

2. **Also make sure that you have *Read* and *Write* permission on all subfolder and files of `../AdeptiaSuite-<Version>`**

3. **Before applying the patch, make sure that any process flow should not be in *Running* or *Queued* state.**

4. Kernel and WebRunner must be stopped before you start applying the patch.

Following are the high level steps to apply the patch.

1. Download the latest patch from the provided URL.

2. Extract the downloaded zip file in a new folder in the **same drive** where Adeptia Suite is installed.
3. Open the command prompt and change to the folder where you have extracted the patch zip.
4. Depending on the operating system you are using, run one of the following commands:

#### For Windows

*Apply-RecoverPatch.bat <Path where Adeptia Suite is installed.>*

Example:

*Apply-RecoverPatch.bat "C:\Program Files\AdeptiaSuite\AdeptiaSuite-6.2\AdeptiaServer"*

#### For Linux

*./Apply-RecoverPatch.sh <Path where Adeptia Suite is installed.>*

**Note:** In case the path contains spaces, enter the path within double quotes.

5. This will apply the patch.

#### Notes:

- Patch application may take more time when there are large numbers of records in backend and log databases.
- Once the patch is applied, a recovery file *Recovery\_<Date-Time Stamp>.zip* is created in the same folder from where you have applied the patch. This file is used in case you want to recover or rollback the patch.
- A *migration.log* file is also created, which contains the logs generated during patch application in the same folder from where you have applied the patch. This file can be used to troubleshoot any issue related to patch application.

6. Restart the Kernel and Web Runner.

#### Note:

- After applying the patch, you need to clear the browser history before you login into the Adeptia Suite. To know how to clear the browser history, refer the documentation of the browser, which you are using.

## Applying Patch in Cluster Setup

While applying a patch in a cluster of Adeptia Suite Servers, you need to follow the above mentioned steps for all the nodes. However, do not update the database for all the nodes. As all the nodes of a cluster use the same backend and log database, you must update the database in any one node, and disable the update for the rest of them.

To disable the database update for all other nodes, perform the following additional steps before patch application:

1. Navigate to the patch folder and open the patch.xml file.
2. Change the default value of IsDatabaseUpdationRequired property to No (see Figure 1).

```
<Configuration>
  <!-- Select mode as "deployment" for patch deployment and "recovery" for patch recovery -->
  <Patch mode="deployment">
    <InstallationDirectory comment="Location of Adeptia Suite installation directory. Do not include ServerKernel folder in the path">
      /opt/AdeptiaSuite/AdeptiaSuite-6.2SP1</InstallationDirectory>
    <PatchFileLocation comment="Location of patch file to be deployed. It is not applicable for patch recovery mode">Release_6_2_SP1_01_11Aug2015.zip
    </PatchFileLocation>
    <IsDatabaseUpdationRequired comment="Specifies whether database shall be updated or not, during patch deployment and recovery. The possible values are Y or N" <input type="checkbox" value="N" checked="" />IsDatabaseUpdationRequired>
    <RecoveryFileLocation comment="For patch deployment mode, it specifies the location where recovery file shall be created. If this property is not specified then patch recovery file will not be created. For patch recovery mode, this property is mandatory and specifies the location of recovery zip from where patch will be recovered">Recovery.zip</RecoveryFileLocation>
```

Figure 1: patch.xml

3. Save the patch.xml file.

## Remove Patch

This section explains how to remove the patch. Depending on the scenario you can choose one of the following options:

- **Recover Patch**

Use this option, if any error comes while applying the patch. This will bring the Adeptia Suite environment to the previous state similar to before applying the patch.

- **Rollback Patch**

Use this option when you have applied the patch successfully and later on decided to remove the patch. This option will bring your Adeptia Suite environment to the previous state. All the objects that you have created or modified, after applying the patch, will persist in the Adeptia Suite environment.

**Note:** After applying the patch, if you have created any database event with SQL query size more than 3000 characters then after you rollback the patch, these database event activities will not retain.

### Pre-requisite:

- Before recovering the patch, Kernel and WebRunner must be stopped.

Following are the high level steps to recover the patch:

1. Go to folder, where you have extracted the Patch and open the *patch.xml* file (see Figure 2).

```
<Configuration>
  <!-- Select mode as "deployment" for patch deployment and "recovery" for patch recover
  <Patch mode="Deployment" >
    <InstallationDirectory comment="Location of Adeptia Suite installation direct
    <PatchFileLocation comment="Location of patch file to be deployed. It is not
    <IsDatabaseUpdateRequired comment="Specifies whether database shall be upda
    <RecoveryFileLocation comment="For patch deployment mode, it specifies the lo
    Recovery.zip
  </RecoveryFileLocation>
  <!-- Remove "Accelerators" tag in case you don't want to deploy any accelerat
  <Accelerators>
    <AcceleratorFileLocation name="EDI">EDI.zip</AcceleratorFileLocation>
    <AcceleratorFileLocation name="SampleObjects">SampleObjects.zip</Acce
  </Accelerators>

  </Patch>
</Configuration>
```

Figure 2: Patch.xml File

2. Replace *deployment* highlighted in the above figure with *recovery*.
3. Also replace *Recovery.zip* with the name of the recovery file which is created during patch application.
4. Save this file.
5. Go to the command prompt and change to the folder where you have extracted the patch.
6. Depending on the operating system you are using, run one of the following commands:

#### For Windows

*Apply-RecoverPatch.bat* <Path where Adeptia Suite is installed.>

Example:

*Apply-RecoverPatch.bat* "C:\Program Files\AdeptiaSuite\AdeptiaSuite-6.2\AdeptiaServer"

#### For Linux

*./Apply-RecoverPatch.sh* <Path where Adeptia Suite is installed.>

**Note:** In case the path contains spaces, enter the path within double quotes.

7. Once you run the above command, you will be asked to choose the mode of removing the patch (see Figure 3).

```

C:\Windows\system32\cmd.exe - Apply-RecoverPatch.bat "C:\Program Files\AdeptiaSuite\AdeptiaS...
[Server@6f9bb25a]: Initiating startup sequence...
[Server@6f9bb25a]: Server socket opened successfully in 33 ms.
[Server@6f9bb25a]: Database [index=0, id=0, db=file:C:\Program Files\AdeptiaSuite\AdeptiaSuite-5.3\AdeptiaServer\ServerKernel\embeddedDb\db\indigo, alias=1] opened successfully in 1110 ms.
[Server@6f9bb25a]: Startup sequence completed in 1149 ms.
[Server@6f9bb25a]: 2012-06-25 19:57:01.486 HSQLDB server 1.8.0 is online
[Server@6f9bb25a]: To close normally, connect and execute SHUTDOWN SQL
[Server@6f9bb25a]: From command line, use [Ctrl]+[C] to abort abruptly
[Server@75843a75]: [Thread[main,5,main]]: checkRunning(false) entered
[Server@75843a75]: [Thread[main,5,main]]: checkRunning(false) exited
[Server@75843a75]: Startup sequence initiated from main() method
[Server@75843a75]: Loaded properties from [C:\Pintu\Product\Build Releases\5.3 SP1\5.3 SP1 Re-release with more fixes\WithEDI\AdeptiaSuite_5_3_SP1_QuickUpgrade\server.properties]
[Server@75843a75]: Initiating startup sequence...
[Server@75843a75]: Server socket opened successfully in 1 ms.
[Server@75843a75]: Database [index=0, id=1, db=file:C:\Program Files\AdeptiaSuite\AdeptiaSuite-5.3\AdeptiaServer\ServerKernel\embeddedDb\db\logs, alias=1] opened successfully in 166 ms.
[Server@75843a75]: Startup sequence completed in 172 ms.
[Server@75843a75]: 2012-06-25 19:57:02.707 HSQLDB server 1.8.0 is online
[Server@75843a75]: To close normally, connect and execute SHUTDOWN SQL
[Server@75843a75]: From command line, use [Ctrl]+[C] to abort abruptly

Please choose the mode of removing the patch:
1. Recover Patch:
To recover from error in patch deployment. Application will be restored to original state (without any patch changes).
2. Rollback:
To roll back the patch if there is any product issue introduced after patch deployment. This option persist activity changes made between patch deployment & Roll back
  
```

Figure 3: Patch Recovery

8. If you want to remove the patch through **Recovery** mode, type **1** and press ENTER key.  
If you want to remove the patch through **Rollback** mode, type **2** and press ENTER key.
9. This will remove the patch, which you have applied.

## Appendix A: Identify Backend Database

This section explains how to identify, which database is used as backend.

1. Go `./AdeptiaServer/ServerKernel/etc` folder, where Adeptia Server is installed.
2. Open the `server-configure.properties` file.
3. Search the property `abpm.backend.dbType`. From the value of this property, you can identify which database is being used as backend. The following table lists the possible values and corresponding database.

Property Value	Database Type
HSQL	Embedded Database



Oracle	Oracle Database
SQLServer	SQL Server
MySQL	MySQL Database





## About Adeptia Inc.

Adeptia, an enterprise software company headquartered in Chicago, Illinois, provides a business process integration technology to easily and quickly automate business processes using industry-specific standards. Adeptia's unique product combines business process management with business-to-business integration. Adeptia's reusable and highly scalable technology has been deployed by Fortune 1000 companies. For more information, visit [www.adeptia.com](http://www.adeptia.com).

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