



# **Adeptia Suite 6.2 SP1**

## **Maintenance Patch**

### **Patch Deployment Guide**

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## Patch Details

**Patch Name** : AdeptiaSuite\_6\_2\_SP1\_01\_12Aug\_2015.zip  
**Build Tag** : Release\_6\_2\_SP1\_01\_11Aug2015

## Applies To

This patch can be applied on Adeptia Suite Version 6.2 SP1 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. **All events must be de-activated before applying the patch.**
4. **Before applying the patch, make sure that any process flow should not be in *Running* or *Queued* state.**
5. Kernel and WebRunner must be stopped before you start applying the patch.

**Note:** Adeptia Suite provides some sample objects for your use, such as B2BI, Data Interface and others. You can make copies of these objects and customize them according to your

requirements. If you are using these objects, WITHOUT making copies of them, be informed that all the sample objects will be rolled back to their original state after applying the patch. Hence, make sure to create copies of these objects, BEFORE applying this 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.
6. This will also apply the B2Bi accelerator, in case you have applied the patch with updated B2Bi accelerator.

#### 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.
7. Restart the Kernel and Web Runner.

#### Note:

- In case you are using B2Bi accelerator, you need to reconfigure some of the pre-bundled activities. Please refer [Activities to be Reconfigured](#) section for the list of activities, which need to be re-configured.

**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.
- You have to also clear the Java cache and the previous certificate of Adeptia from Java Control Panel. To know how to clear Java cache and delete Adeptia certificates, refer to <http://support.adeptia.com/entries/72486986-Deleting-Java-Cache-and-Certificates>.

## Applying Patch in Clustering 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" value="N">IsDatabaseUpdationRequired</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>
  </Patch mode="deployment">

```

Figure 1: patch.xml

3. Save the *patch.xml* file.

**Note:** Since we have added support for JDO caching in clustering environment, you need to do some configuration in the hazelcast.xml file inside the SerevrKernel/etc folder after patch deployment. To configure this file please refer the <https://confluence.adeptia.com/display/AS/Enabling+Clustering+Service> .

## Activities to be re-configured

This section contains the list of activities, which need to be reconfigured, after you apply the latest patch. This section is applicable only if you are using B2Bi Accelerator.

In case you have enabled “Delete File on Success” for B2Bi processing, then you need to re-

enable it in the Advanced Properties of following activities:

1. **File Source Activities**
  - a. InboundFileSource
  - b. OutboundFileSource
  - c. RoutingSource
2. **FTP Source Activities**
  - a. InboundFTPSource
  - b. OutBoundFTPSource

In case you have enabled the log file generation in B2Bi accelerator, then you need to reconfigure the process flow variables as mentioned in the table below:

<b>Process Flow &gt; EDIInboundProcessor &gt; Process Flow Variable:</b>	
generateLogFile	This should be set to <i>true</i> if you want to generate the log file for inbound processing.
logFilePath	Path where you want to generate the log file.
Log_PathPrefix	Path prefix of the target file displayed in the log file.
<b>Process Flow &gt; EDIOutboundProcessor &gt; Process Flow Variable:</b>	
generateLogFile	This should be set to <i>true</i> if you want to generate the log file for outbound processing.
logFilePath	Path where you want to generate the log file.
Log_PathPrefix	Path prefix of the target file displayed in the log file.
<b>Process Flow &gt; EDISubBatchProcessor &gt; Process Flow Variable:</b>	

generateLogFile	This should be set to <i>true</i> if you want that the path of FA should be written in the inbound log file.
logFilePath	Path where you want to generate the log file.  Note: This path should be same as the path defined for <i>logfilePath</i> variable in <b>EDIInboundProcessor</b> process flow.
Log_PathPrefix	Path prefix of the target file displayed in the log file.

To enable the reset transaction set control number for EDI outbound flow, you need to change following process variables as mentioned in the table below:

<b>Process Flow &gt; EDISubBatchProcessor&gt; Process Flow Variable:</b>	
resetTransactionControlNumber	This should be set to <i>true</i> if you want to reset the transaction set control number in outbound processing.
<b>Process Flow &gt; EDIBatchProcessor &gt; Process Flow Variable:</b>	
resetTransactionControlNumber	This should be set to <i>true</i> if you want to reset the transaction set control number in outbound processing while batch mode is selected as Yes.

**Note:** From now onwards you do not have to reconfigure EDI Mail Target and Mail notification activity after applying the patch. You have to configure your mail parameters ones within the Update System Properties. To know how to configure mail parameters refer <https://confluence.adeptia.com/display/AS/Receiving+Notifications>

## 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.

**Pre-requisite:**

- **All events must be de-activated before removing the patch.**
- 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:

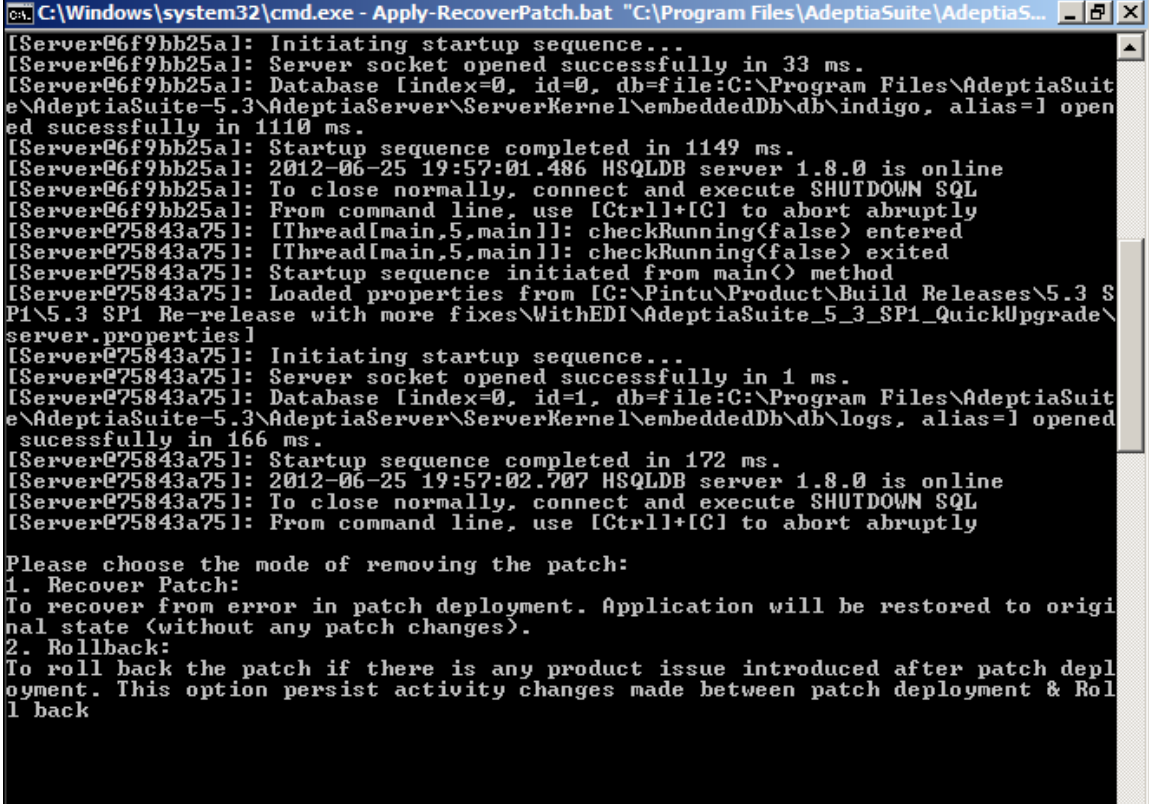
```
Apply-RecoverPatch.bat "C:\Program Files\AdeptiaSuite\AdeptiaSuite-6.2\AdeptiaServer"
```

**For Linux**

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

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

- 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=] 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=] 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

- 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.
- 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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