

PaySim Installation Manual



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Windows

As the installation of PaySim varies depending on your host operating system, we provide installation instructions in separate chapters for Windows, Linux and other operating systems.

1. Installation on Windows hosts:

1.1 Prerequisites:

1.1.1 System Requirements:

- Supported Operating System: Windows Xp/7/8/10.
- RAM: 4GB and above.
- Processor: 4GHz.

1.1.2 Software Requirements:

- JDK: 1.7.0_75, [Download Now](#)
- Tomcat Server: 7, [Download Now](#)
- HSM:0.9, [Download Now](#)

1.1.3 Database Requirements:

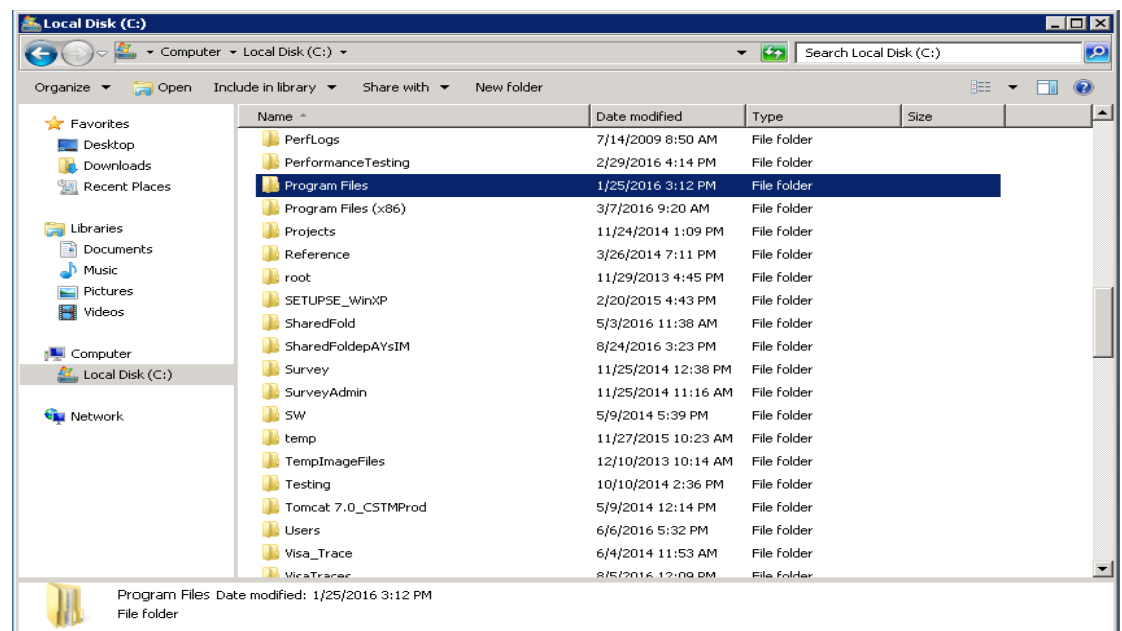
- MySql Server: 5.5 and above, [Download Now](#)
- Schema Name

1.2 Performing the Installation:

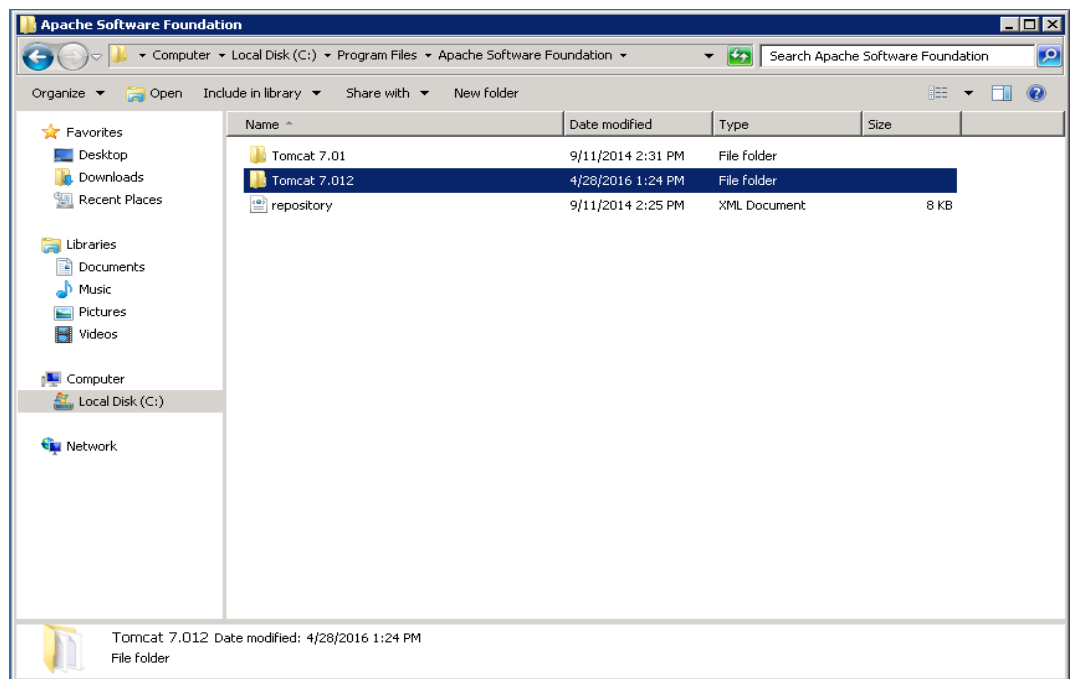
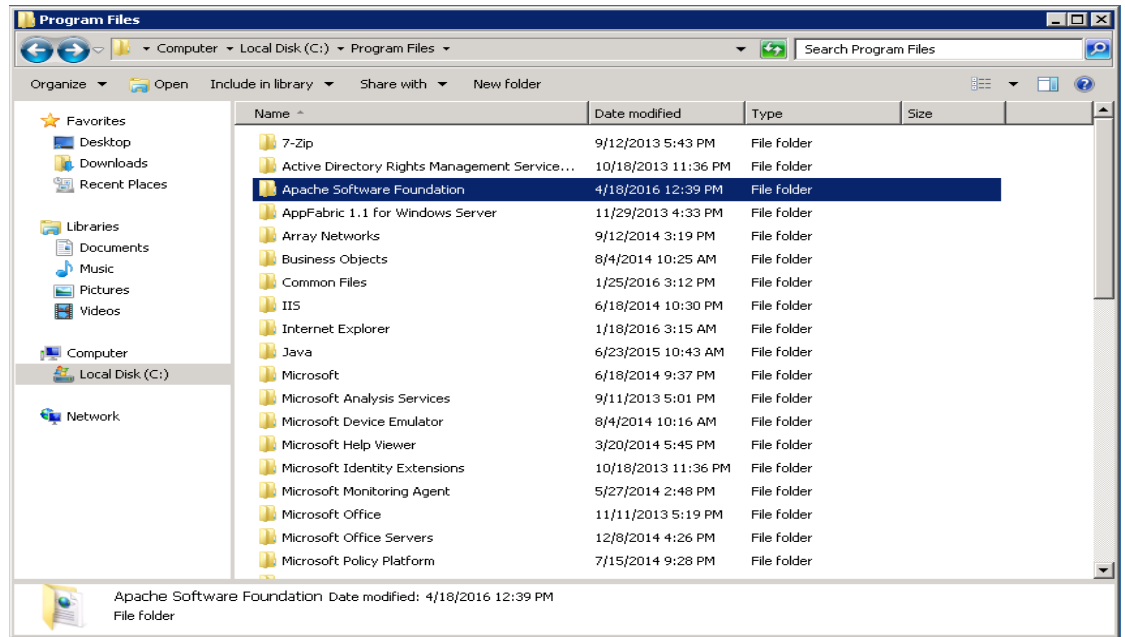
Please follow below steps to ensure successful installation of PaySim.

1.2.1 Uploading .war file on application server

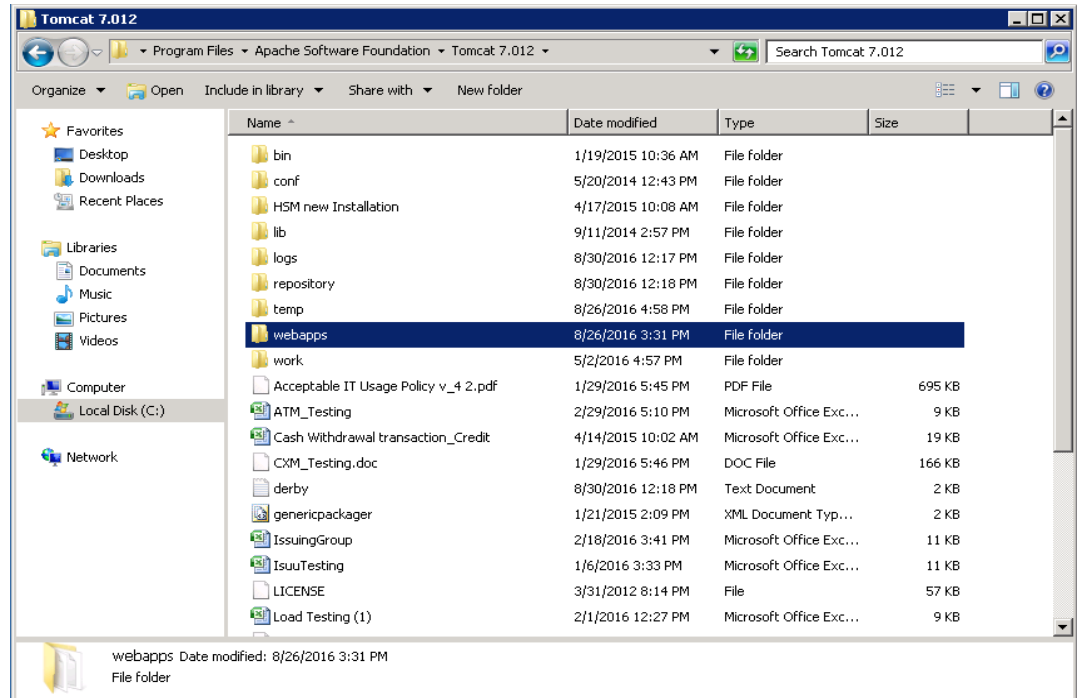
- Go to **<File directory location>** where application server is installed then in the server folder go to webapps and paste the war file given by Capgemini Technical support team as guided below
 - Go to **ProgramFiles** as shown in screenshot :



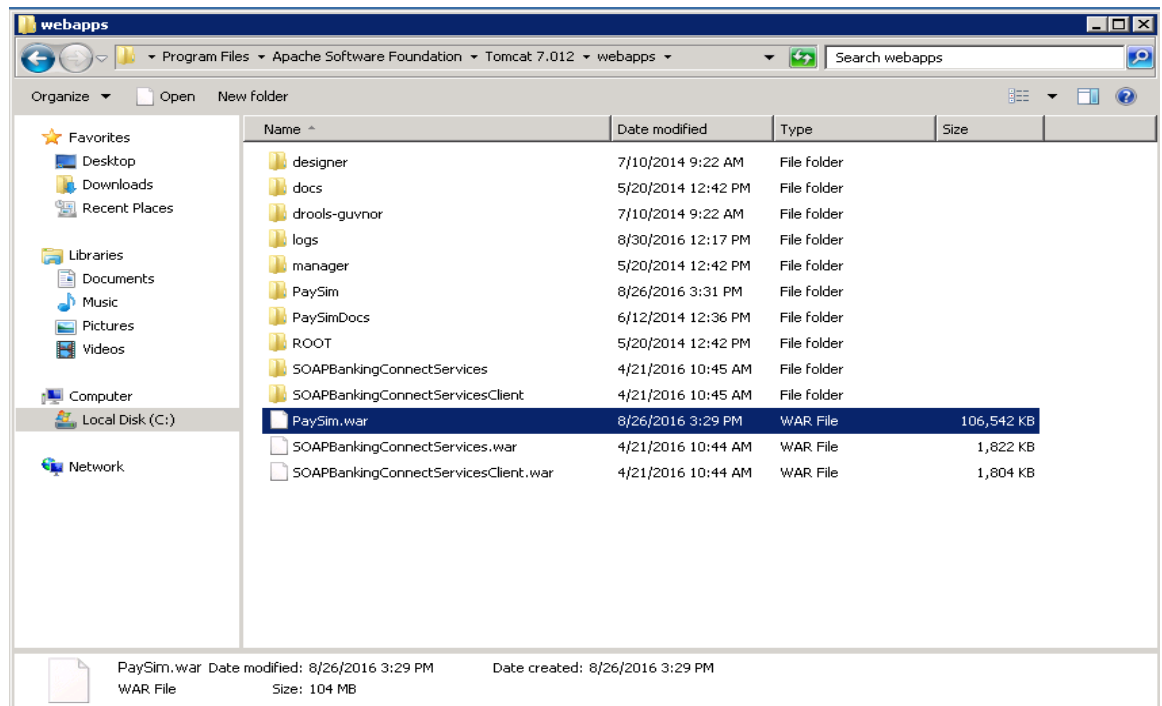
- Then double click on **Apache Software Foundation** folder and then double click on **Tomcat 7.012** folder as shown in the screen shots below.



- Now double click on the **webapps** folder as shown in the screen shot.



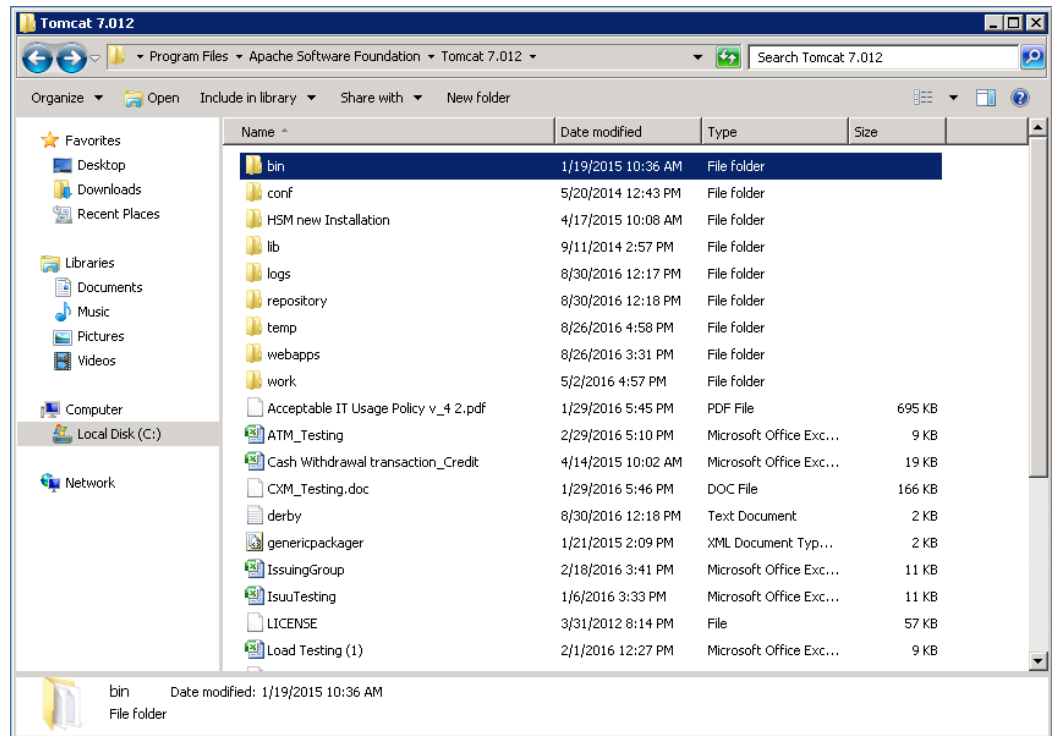
- Paste the copied .war file here in **webapps** folder, as shown in the screen shot:



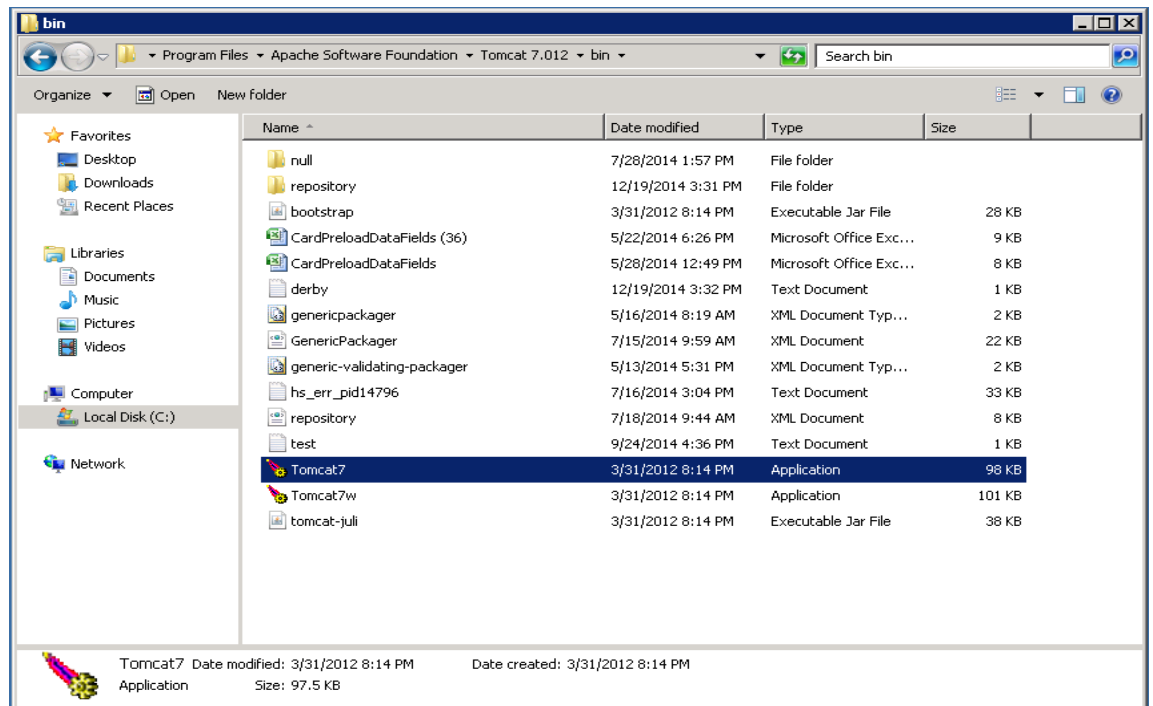
1.2.2 Starting the server

Go to <File directory location> where required server is installed then in the server folder

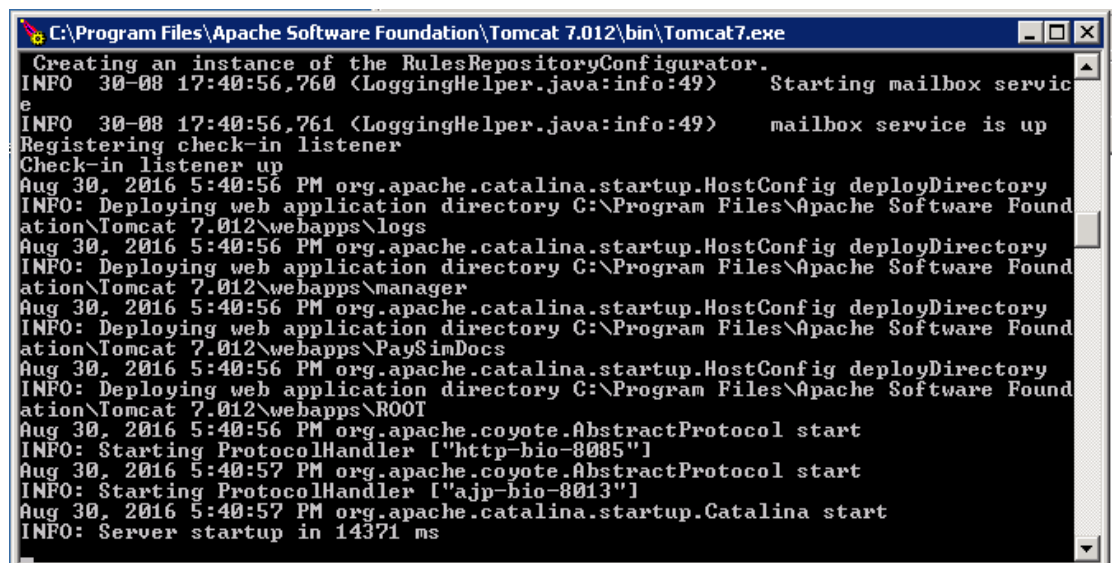
- Go to **ProgramFiles > Apache Software Foundation > Tomcat 7.012 > bin folder** as shown in screenshot :



- Now double click on the **Tomcat 7** application as shown in the screen shot:



- After double clicking on the tomcat application, the server console will come as shown in the screen shot:



Then **MINIMISE** the server console. Now your application is ready for use.

To stop the application press “**Ctrl+C**” on the server console, which stops the Tomcat server

1.2.3 Region build activity:

This is a onetime activity which we need to perform once the Tomcat Server is started.

➤ Starting HSM:

- ✓ Download HSM rar file from the link Download Now . Unzip it to get the jar.
- ✓ Now run the **HSM.jar** file by executing the following command in the command prompt:
 - **java -jar HSM.jar**
- ✓ The HSM server is running now, and we need to **MINIMISE** the command prompt

➤ Database Table Configuration:

- ✓ Open the “**AlterTableScripts**” folder provided by the Capgemini Technical team. The folder contains two files:
 - **jdbc.properties**
 - **Test.jar**
- ✓ Open the command prompt, and then change the directory to the location where the folder “**AlterTableScripts**” is saved.

- ✓ Enter the folder by using the command:
 - **cd AlterTableScripts**
- ✓ Run the **test.jar** file by executing the following commands:
 - **java -jar test.jar**
- ✓ After executing the jar, the command window will display an output stating “table Altered successfully”.
- ✓ Close the command prompt.

1.2 Public Properties:

1.3.1 Changing Database Schema Name:

If we want to change the Database Schema to some other Schema Name, then we need to make the changes in the `jdbc.properties` file, shared by the Capgemini technical Team.

For example:

```
jdbc.databaseurl=jdbc:mysql://localhost:9090/paysim_testing
```

In the above example “paysim_testing” is the schema Name, now if we want to change the schema to some other schema whose name is “New Testing” then the new **jdbc.databaseurl** looks like this:

```
jdbc.databaseurl=jdbc:mysql://localhost:9090/New Testing
```

Now PaySim will be checking the **New Testing** schema and its tables for the data.

1.3.2 Changing the mail server information:

PaySim sends emails to its respective users in the event of Client creation, Password Change and few other cases. In such events PaySim requires the SMTP information and some basic credentials too. These details are needed to be filled up in the **mail.properties** file provided by the Capgemini technical Team.

The fields which are required to be entered with the proper details are:

1. **mail.from=** The email address from which the mails will be sent
2. **mail.smtp.host=** The hosted SMTP server
3. **mail.user=** The user's login Id
4. **mail.password=** The user's login password

All the other fields in the **mail.properties** remain unchanged.

Mail Server configurations are done now, users will be receiving mails on their primary emailIds from PaySim when and where it is needed.

Linux

2. Installation on Linux hosts:

2.1 Prerequisites:

2.1.1 System Requirements:

- Supported Operating System: Linux.
- RAM: 4GB and above.
- Processor: 4GHz.

2.1.2 Software Requirements:

- JDK: 1.7.0_75, [Download Now](#)
- Tomcat Server: 7, [Download Now](#)
- HSM:0.9, [Download Now](#)

2.1.3 Database Requirements:

- MySQL Server: 5.5 and above, [Download Now](#)
- Schema Name

2.2 Performing the Installation:

Please follow below steps to ensure successful installation of PaySim.

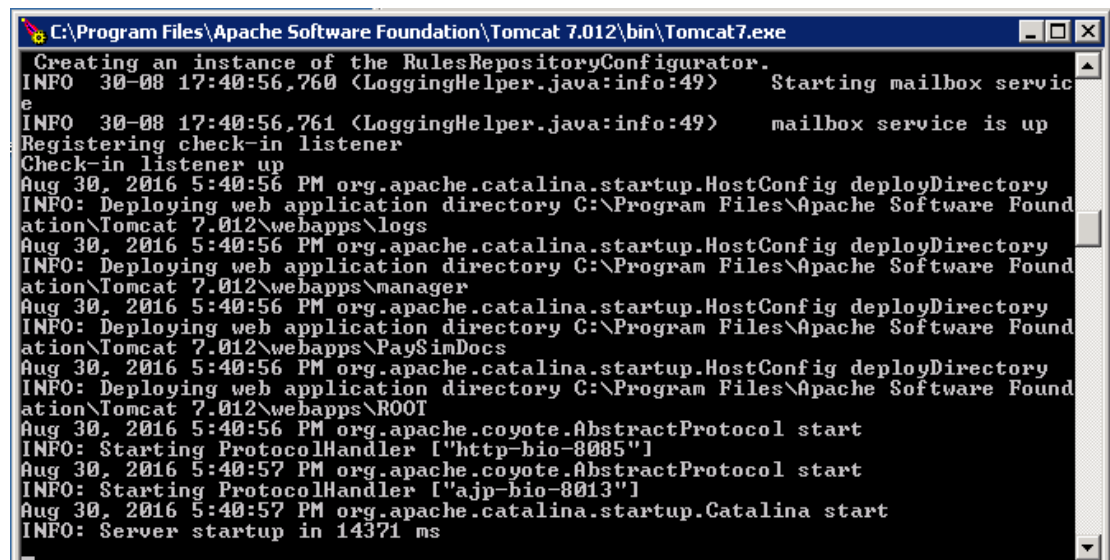
2.2.1 Uploading .war file on application server

Go to <File directory location> where application server is installed then in the server folder go to webapps and paste the war file given by Capgemini Technical support team as guided below:

- Go to **Apache Software Foundation-> Tomcat 7.012** folder on your system.
- Now double click on the **webapps** folder.
- Paste the copied .war file here in **webapps** folder.

2.2.2 Starting the server

- Go to **ProgramFiles > Apache Software Foundation > Tomcat 7.012 > bin** folder .
- Now double click on the **Tomcat 7** application.
- After double clicking on the tomcat application, the server console will come as shown in the screen shot:



```
C:\Program Files\Apache Software Foundation\Tomcat 7.012\bin\Tomcat7.exe
Creating an instance of the RulesRepositoryConfigurator.
INFO 30-08 17:40:56,760 <LoggingHelper.java:info:49> Starting mailbox service
INFO 30-08 17:40:56,761 <LoggingHelper.java:info:49> mailbox service is up
Registering check-in listener
Check-in listener up
Aug 30, 2016 5:40:56 PM org.apache.catalina.startup.HostConfig deployDirectory
INFO: Deploying web application directory C:\Program Files\Apache Software Found
ation\Tomcat 7.012\webapps\logs
Aug 30, 2016 5:40:56 PM org.apache.catalina.startup.HostConfig deployDirectory
INFO: Deploying web application directory C:\Program Files\Apache Software Found
ation\Tomcat 7.012\webapps\manager
Aug 30, 2016 5:40:56 PM org.apache.catalina.startup.HostConfig deployDirectory
INFO: Deploying web application directory C:\Program Files\Apache Software Found
ation\Tomcat 7.012\webapps\PaySimDocs
Aug 30, 2016 5:40:56 PM org.apache.catalina.startup.HostConfig deployDirectory
INFO: Deploying web application directory C:\Program Files\Apache Software Found
ation\Tomcat 7.012\webapps\ROOT
Aug 30, 2016 5:40:56 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-bio-8085"]
Aug 30, 2016 5:40:57 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-bio-8013"]
Aug 30, 2016 5:40:57 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in 14371 ms
```

- Then **MINIMISE** the server console. Now your application is ready for use.

- To stop the application press “**Ctrl+C**” on the server console, which stops the Tomcat server

2.2.3 Region build activity:

This is a onetime activity which we need to perform once the Tomcat Server is started.

➤ **Starting HSM:**

- ✓ Download HSM rar file from the link Download Now . Unzip it to get the jar.
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➤ **Database Table Configuration:**

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- ✓ Open the command prompt, and then change the directory to the location where the folder “**AlterTableScripts**” is saved.
- ✓ Enter the folder by using the command:
 - `cd AlterTableScripts`
- ✓ Run the **test.jar** file by executing the following commands:
 - `java -jar test.jar`
- ✓ After executing the jar, the command window will display an output stating “table Altered successfully”.

- ✓ Close the command prompt.

2.3 Public Properties:

2.3.1 Changing Database Schema Name:

If we want to change the Database Schema to some other Schema Name, then we need to make the changes in the `jdbc.properties` file, shared by the Capgemini technical Team.

For example:

```
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```

In the above example “`paysim_testing`” is the schema Name, now if we want to change the schema to some other schema whose name is “New Testing” then the new **`jdbc.databaseurl`** looks like this:

```
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```

Now PaySim will be checking the **New Testing** schema and its tables for the data.

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The fields which are required to be entered with the proper details are:

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`mail.user`= The user’s login Id

mail.password= The user's login password

All the other fields in the **mail.properties** remain unchanged.

Mail Server configurations are done now, users will be receiving mails on their primary emailIds from PaySim when and where it is needed.