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INSTALL JASPERSERVER 6.2.0 ON UBUNTU 14.04 LTS

What is JasperServer

JasperServer is an open source business intelligence suite, built by the developers of JasperReports. It providing common services like security and metadata management, and the capability to easily add additional functionality. It also provides a Web and Web services based environment for reporting, data analysis (OLAP), and data integration.

What is JasperReports

JasperReports is a powerful open source Java reporting tool that has the ability to deliver rich content onto the screen, to the printer or into PDF, HTML, XLS, CSV and XML files. It is entirely written in Java and can be used in a variety of Java enabled applications, including J2EE or Web applications, to generate dynamic content. Its main purpose is to help creating page oriented, ready to print documents in a simple and flexible manner.

System requirements

In order to install JasperServer, you need to setup and configure the following application.

- Apache Tomcat (with JDK1.6) – to be use as Java container
- PostgreSQL – to be use to store JasperServer metadata files

Note: You may use JBoss and MySQL as an alternative to the above application.

How to install JasperServer?

JasperServer installation is very easy as no complicated process involved. Follow the step-by-step below to complete the installation.

Step 1:

Update repos and required softwares

```
apt-get -y update
apt-get -y upgrade
apt-get install -y vim unzip
```

Step 2:

Download the JasperServer Software and make it executable

```
cd /usr/src/  
  
wget -c  
https://sourceforge.net/projects/jasperserver/files/JasperServer/JasperReports%20Server%20Commur  
server-cp-6.2.0-linux-x64-installer.run  
  
chmod a+x jasperreports-server-cp-6.2.0-linux-x64-installer.run
```

Step 3:

Run the installation of JasperServer

```
./jasperreports-server-cp-6.2.0-linux-x64-installer.run
```

It will show you the license page. Read through it and select y when it prompts

Do you accept this license? [y/n]: y shows up.

It will ask to choose complete install or custom install. Choose custom.

It will ask to select a folder for install destination.

choose the default /opt/jasperreports-server-cp-6.2.0/

Step 4:

Now after Jasper Server installation **lets start Tomcat server**

```
/opt/jasperreports-server-cp-6.2.0/ctlscript.sh start
```

Step 5:

Download extensions for jasperreports-extension and configure it.

```
wget -c http://www.java2s.com/Code/JarDownload/jasperreports/jasperreports-6.0.3.jar.zip  
  
unzip jasperreports-6.0.3.jar.zip  
  
cp jasperreports-6.0.3.jar /opt/jasperreports-server-cp-6.2.0/apache-  
tomcat/webapps/jasperserver/WEB-INF/lib/
```

Step 6:

Edit the jasperreports.properties files to add below line.

```
vim /opt/jasperreports-server-cp-6.2.0/apache-tomcat/webapps/jasperserver/WEB-  
INF/classes/jasperreports.properties
```

Add line:

```
net.sf.jasperreports.query.executer.factory.plsql=com.jaspersoft.jrx.query.PISqlQueryExecuterFactory
```

Step 7:

Now configure the Postgres adapter. Edit file

```
vim /opt/jasperreports-server-cp-6.2.0/apache-tomcat/webapps/jasperserver/WEB-INF/flows/queryBeans.xml
```

Add the below lines in queryLanguages area:

```
<property name="queryLanguages" ref="queryLanguages"/>
<list>
<value>sql</value>
<value>plsql</value>
<value>hql</value>
</list>
</property>
```

Step 8:

Final Configuration for Postgres adapter. Edit the file

```
vim /opt/jasperreports-server-cp-6.2.0/apache-tomcat/webapps/jasperserver/WEB-INF/applicationContext.xml
```

Look for “supportedQueryLanguages” and add below lines: (Needs to be done at two places)

```
<value>plsql</value>
<value>PLSQL</value>
```

Step 9:

Installation and configuration is completed. Restart the Jasper server and start using it.

```
/opt/jasperreports-server-cp-6.2.0/ctlscript.sh stop
/opt/jasperreports-server-cp-6.2.0/ctlscript.sh start
```

Jasper server URL: **http://<Your IP Address>/JasperServer**

🕒 February 17, 2016 👤 Sameer (<http://techiearea.com/author/tech1eareaadm1n/>) 📁 Linux

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