

### 3.3 Tomcat and MySQL

- **Java**

Add partner repository

```
nano -w /etc/apt/sources.list
deb http://archive.canonical.com/ubuntu lucid partner
deb-src http://archive.canonical.com/ubuntu lucid partner
```

install packages

```
apt-get install sun-java6-jdk sun-java6-jre
```

- **Mysql packages**

```
apt-get install mysql-server libmysql-java
```

- **Tomcat**

Install core and admin packages

```
apt-get install
tomcat6 tomcat6-admin tomcat6-common tomcat6-docs tomcat6-examples tomcat6-user
```

Add Tomcat manager admin user

```
nano -w /etc/tomcat6/tomcat-users.xml [8.1.2]

<tomcat-users>
  <role rolename="admin"/>
  <role rolename="manager"/>
  <user username="*****" password="*****" roles="admin,manager"/>
</tomcat-users>
```

### 3.4 Fedora Commons 3.5

- **Repository pre-installation task**

Create directory

```
mkdir /usr/local/fedora
```

Configure Tomcat

```
nano -w /etc/default/tomcat6 [8.1.3]

# Stuff for Fedora Commons
export FEDORA_HOME=/usr/local/fedora
PATH=$PATH:$FEDORA_HOME/server/bin:$FEDORA_HOME/client/bin:
  $JAVA_HOME/bin:/bin:/usr/bin:/sbin:/usr/sbin
```

Create database

```
mysql -u root -p
CREATE DATABASE fcrepo01;
GRANT ALL ON fcrepo01.* TO fedoraAdmin@localhost IDENTIFIED BY '***';
GRANT ALL ON fcrepo01.* TO fedoraAdmin@%' IDENTIFIED BY '***';
FLUSH PRIVILEGES;
```

Restart Tomcat

```
/etc/init.d/tomcat6 restart
```

- **Repository installation**

Download Fedora Commons jar installer

```
wget http://downloads.sourceforge.net/fedora-commons/fcrepo-installer-3.5.jar
```

Stop Tomcat

```
/etc/init.d/tomcat6 stop
```

Run installer

```
java -jar fcrepo-installer-3.5.jar
```