# Outreach Application Deployment Steps in CentOS 7

## System Requirements

1. CentOS 7 Server with minimum 4 GB RAM, 300 MB Disk Space
2. JDK 1.7 Installed
3. MySQL / MariaDB Server 5.3 and higher running
4. Apache HTTP Server Installed and running
5. outreach.war file built using maven
6. outreach.properties file

## Deployment Steps

1. Login to CentOS 7 server as root user.
2. Install wget using the following command

yum -y install wget

1. Navigate to /tmp directory

cd /tmp

1. Download Jetty using the following command

wget <http://eclipse.org/downloads/download.php?file=/jetty/stable-9/dist/jetty-distribution-9.2.7.v20150116.tar.gz&r=1>

1. Extract the downloaded archive file to /opt

tar zxvf jetty-distribution-9.2.5.v20141112.tar.gz -C /opt/

1. Rename it to jetty

mv /opt/jetty-distribution-9.2.5.v20141112/ /opt/jetty

1. Create a user called jetty to run jetty web server on system start-up.

useradd -m jetty

1. Change ownership of extracted jetty directory.

chown -R jetty:jetty /opt/jetty/

1. Copy or Symlink jetty.sh to /etc/init.d directory to create a start up script file for jetty web server.

ln -s /opt/jetty/bin/jetty.sh /etc/init.d/jetty

1. Add script.

chkconfig --add jetty

1. Auto start at 3,4 and 5 levels.

chkconfig --level 345 jetty on

1. Add the following information in /etc/default/jetty, replace port and listening address with your value.

vi /etc/default/jetty

JAVA\_OPTIONS=" -server -Xms1536m -Xmx1536m -XX:+DisableExplicitGC -Doutreach-app-config=/opt/jetty/config/outreach.properties -Dfile.encoding=UTF-8"

JETTY\_HOME=/opt/jetty

JETTY\_USER=jetty

JETTY\_PORT=8080

JETTY\_HOST=0.0.0.0

JETTY\_LOGS=/opt/jetty/logs/

1. Now start the jetty service.

service jetty start

1. Open web browser and navigate to http://<Server IP>:8080/ and verify whether the web server is accessible
2. Login to MySQL and create a user and database with name outreach and grant all permission to the user to the database the following configuration

User Name: outreach

Host : localhost

1. Create a directory named outreach in apache web root directory

mkdir –p /var/www/html/outreach

1. Change ownership of the /var/www/html/outreach directory to jetty

chown -R jetty:jetty /var/www/html/outreach

1. Change user to jetty using the following command

su - jetty

1. Create a directory config in jetty home directory

mkdir –p /opt/jetty/config

1. Create a file outreach.file in /opt/jetty/config directory with the following content

vi /opt/jetty/config/outreach.properties

#Database Configuration

org.hibernate.dialect=org.hibernate.dialect.MySQL5Dialect

jdbc.driverClassName=com.mysql.jdbc.Driver

jdbc.url=jdbc:mysql://localhost:3306/outreach

jdbc.username=outreach

jdbc.password=password

jdbc.connection.acquireIncrement=2

jdbc.connection.initialPoolSize=5

jdbc.connection.minPoolSize=15

jdbc.connection.maxPoolSize=80

jdbc.connection.idleConnectionTestPeriod=60

jdbc.connection.maxIdleTime=55

default.cdn.url.root=http://<Server IP>/outreach

default.cdn.origin.dir=/var/www/html/outreach

domainVerifier=<Server IP>

smtp.host=smtp.mandrillapp.com

smtp.port=587

smtp.use.ssl=true

smtp.username=test@example.com

smtp.password=Test

email.from=admin@salzertechnologies.com

1. Create the following directories

mkdir –p /var/log/outreach

mkdir –p /var/log/jetty

mkdir –p /opt/jetty/work

1. Copy outreach.war to /opt/jetty/webapps directory
2. Restart the jetty server

service jetty restart

1. The application can be accessible using the following URL

http://<SERVER IP>:8080/outreach