**QA And SIT Environment Preparation Steps**

**Step 1:-**

Create a Virtual Machine in Vmware Server or a Physical machine.

For Virtual Machine:

Right click on server name=>New Virtual Machin=>and go througt the instructions shown on UI

HDD => 200GB

RAM => 16 GB

PROCESSOR => 1 socket, 4 core

Whet it's Done, go to the next.

**Step 2:-**

Installation of server in minimal mode with LVM Partitioning of centos 7.

**Step 3:-**

Give the Internet connectivity to the server and update the required packages.

**Step 4:-**

Set the date and time

**Step 5:-**

Create user lms:

**#adduser lms**

**#passwd lms**

Give the suitable password

**Step 6:-**

tuning of ssh file allow only users who are able to access the server via ssh and disable Root Login in

**“/etc/ssh/sshd\_config”** file.

**Step 7:-**

Set the host-name for the server like “LMS-QA”

and make it permanent in the below file so that it should not be changed on next reboot:

**#vim /etc/sysconfig/network**

**HOSTNAME=LMS-QA**

and also make changes in **“/etc/hosts”** file otherwise **jboss** will not be able to read host-name.

When done, go to the next step.

**Step 8:-**

Set the ulimit to handle requests, but there is no need to configure it in version 7. it should be like below.

**Mario soft nofile 4096**

**Mario hadr nofile 20480**

**Step 9:-**

Remove the existing java installed if there is any and install the required one.

If possibility then via **“yum”** otherwise **“tar”** file

**#yum remove java**

**#yum install java-1.7.0-openjdk**

**Step 10:-**

Install the Jboss Instances

1 instances of Jboss 7

2 instance of Jboss 4

**Step 11:-**

Install the mysql-5.1

download the tar bundle from the mysql website and install the rpm's

**Step 12:-**

Allow the below ports in firewall.

**Ports:-** **3306, 8080, 80, 22** and so on if required.

**#firewall-cmd –permanent –zone=public –add-port=80/tcp**

**#firewall-cmd –permanent –zone=public –add-port=8080/tcp**

**#firewall-cmd –permanent –zone=public –add-port=3306/tcp**

**#firewall-cmd –reload**

**#firewall-cmd –list-all**