Maxim’s POS Polling Enterprise Service Bus Implementation Service

**EL-FY16-902**

**Sales/Master/Pricing Data Exchange**

SOA Installation Guide

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# **Document Control**

## **Document History**

| Version | Date | Author | Revision Remark |
| --- | --- | --- | --- |
| 0.1 | 14/03/2017 | Steven Chen | 1st draft |

## **Document/Design Owner**

| Name | Title |
| --- | --- |
| Steven Chen | System Analyst |
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# **User & User Group**

/usr/sbin/groupadd -g 501 oinstall

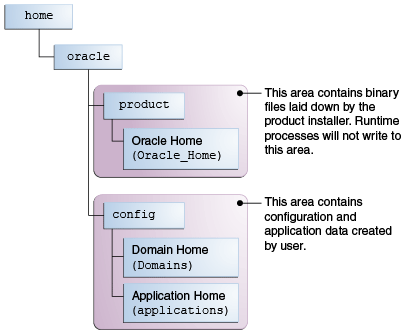
cut -d: -f1 /etc/group

/usr/sbin/useradd -u 502 -g oinstall –G adm,admin oracle

Passwd oracle

# **Create Oracle File System**

Create below file system for Oracle products and applications



|  |
| --- |
| mkdir -p /home/oracle/products/Oracle\_Home  chown oracle:oinstall /home/oracle/products/Oracle\_Home  chmod 775 /home/oracle/products/Oracle\_Home  mkdir –p /home/oracle/config/domains  chown oracle:oinstall /home/oracle/config/domains  chmod 775 /home/oracle/config/domains  mkdir –p /home/oracle/config/applications  chown oracle:oinstall /home/oracle/config/applications  chmod 775 /home/oracle/config/applications |

# **Setup Environment variables for oracle user**

|  |
| --- |
| vi /home/oracle/.bash\_profile  export JAVA\_HOME=/home/oracle/products/jdk1.8.0\_121  export JRE\_HOME=$JAVA\_HOME/jre  export CLASSPATH=$JAVA\_HOME/lib:$JRE\_HOME/lib:WL\_HOME%/server/lib:%WL\_HOME%/server/liblogic.jar  export WLS\_HOME=/home/oracle/products/wlserver  export ORACLE\_HOME=/home/oracle/products/Oracle\_Home  export DOMAIN\_HOME=/home/oracle/config/domains  export WL\_HOME=$ORACLE\_HOME/wlserver  export PATH=$WL\_HOME/server/bin:$JAVA\_HOME/bin:$JRE\_HOME/bin:$HOME/bin:$PATH |

# **Install JDK to /home/oracle/products/**

jdk-8u101-linux-x64.tar.gz ???

chmod 755 jdk-8u101-linux-x64.tar.gz

tar -xvf /home/oracle/products/jdk-8u101-linux-x64.tar.gz

jdk-8u121-linux-x64.tar.gz (location ??)

Upload jdk-8u121-linux-x64.tar.gz

To: /home/oracle/products/jdk-8u121-linux-x64.tar.gz

chown oracle:oinstall jdk-8u121-linux-x64.tar.gz

chmod 755 jdk-8u121-linux-x64.tar.gz

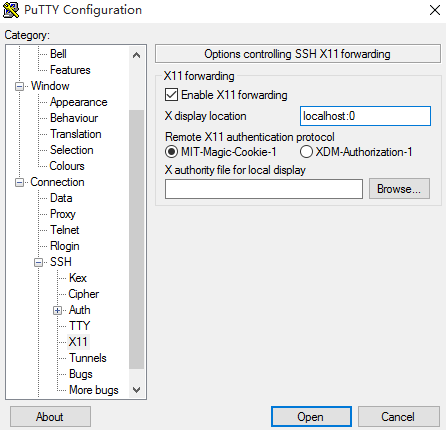
Use oracle account

cd /home/oracle/products/

|  |
| --- |
| tar -xvf /home/oracle/products/jdk-8u121-linux-x64.tar.gz |

# **Install & Setup XWindows Server**

1. Install Xming in local PC
2. Check parameter “X11Forwarding Yes” exists in target host’s /etc/ssh/sshd\_config
3. Configure putty X11 configuration



1. Export DISPLAY=your.intranet.ip.address:0.0
2. Now XWindows Server is ready to connect

# **Setup RCU**

|  |
| --- |
| **Start RCU**  cd $ORACLE\_HOME/oracle\_common/bin  ./rcu |

|  |
| --- |
| **For MS SQL Server ONLY**  ALTER DATABASE esb\_dev SET READ\_COMMITTED\_SNAPSHOT ON  with rollback immediate; |

|  |
| --- |
| **Add component command line sample**  ./rcu -silent -createRepository -databaseType SQLSERVER -connectString 192.168.1.250:1433:esb\_dev -dbUser sa -dbRole sysadmin -unicodeSupport Yes -schemaPrefix ESB -component SOAINFRA -component UMS |

|  |
| --- |
| **RCU Manual**  <https://docs.oracle.com/cd/E16764_01/doc.1111/e14259/rcu.htm> |

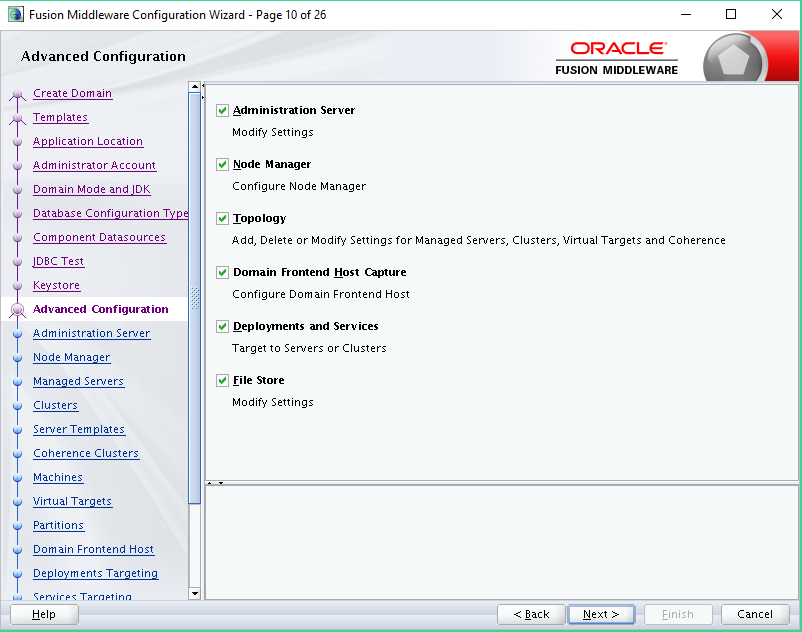
|  |
| --- |
| **RCU Reset Procedure (Delete Schema and Namespaces)**   1. drop user ×× cascade 2. DROP TABLESPACE tablespace\_name INCLUDING CONTENTS AND DATAFILES; 3. select comp\_name from SCHEMA\_VERSION\_REGISTRY; 4. delete from SCHEMA\_VERSION\_REGISTRY where COMP\_NAME like 'WebLogic Services'; |

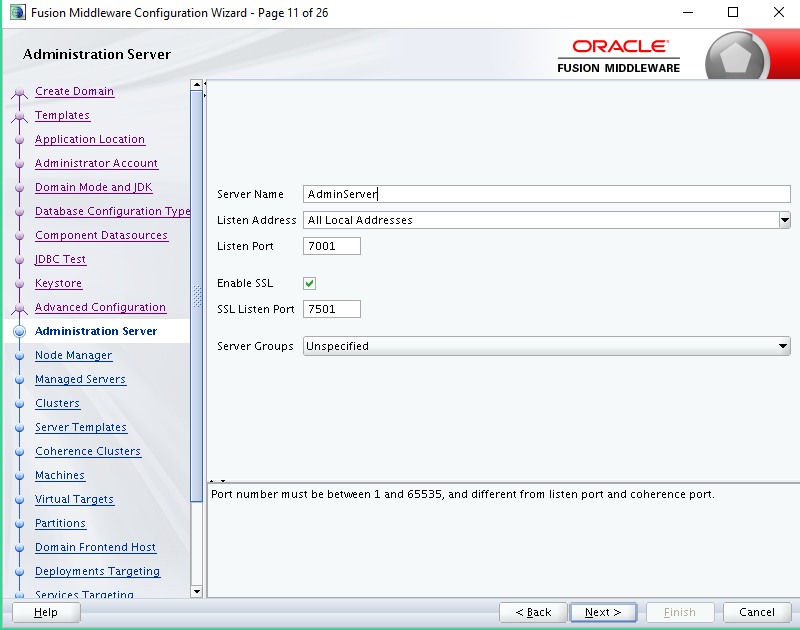
# **Install SOA**

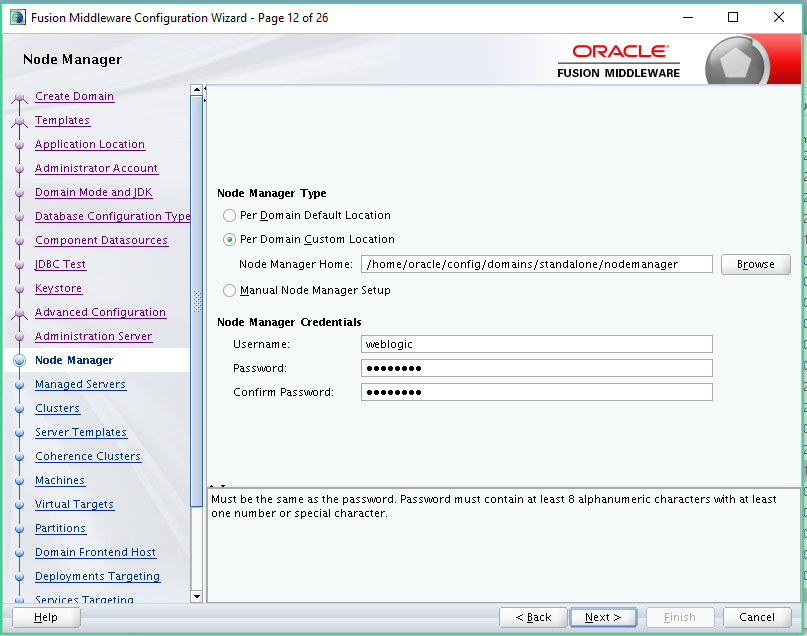
Start Oracle SOA Suite Quick Start Installer

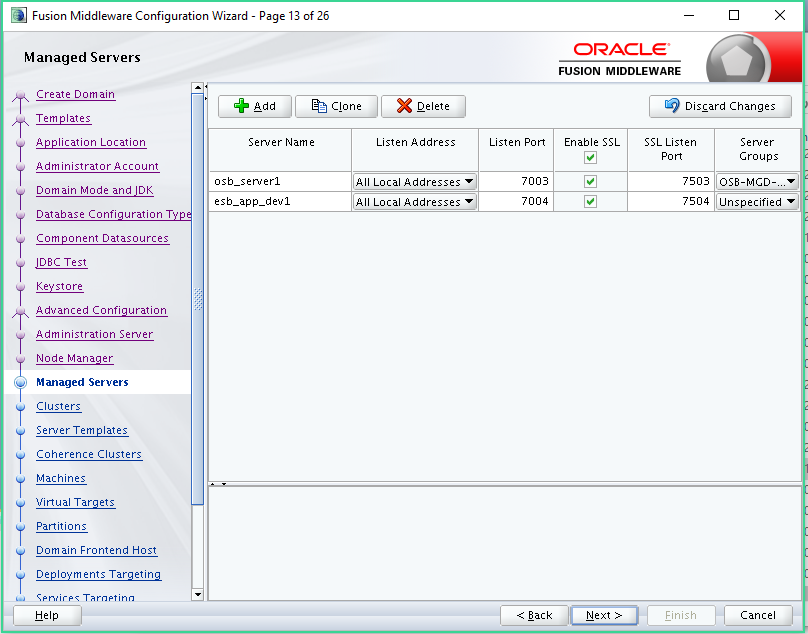
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| --- |
| java -jar fmw\_12.2.1.2.0\_soa\_quickstart\_generic.jar |

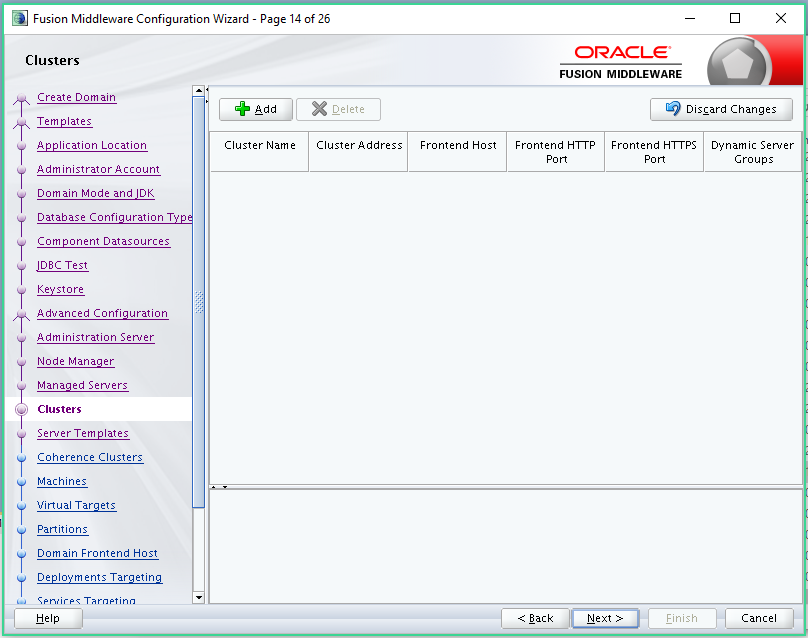
|  |
| --- |
| **Create a Compact Domain**  cd $ORACLE\_HOME/oracle\_common/common/bin  CONFIG\_JVM\_ARGS="-Dcom.oracle.cie.config.showProfile=true"  export CONFIG\_JVM\_ARGS  ./config.sh |

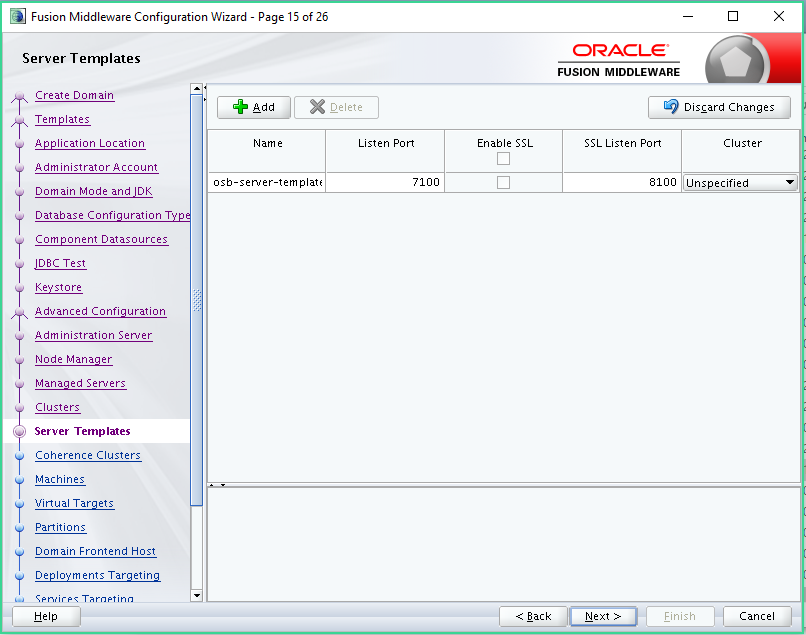


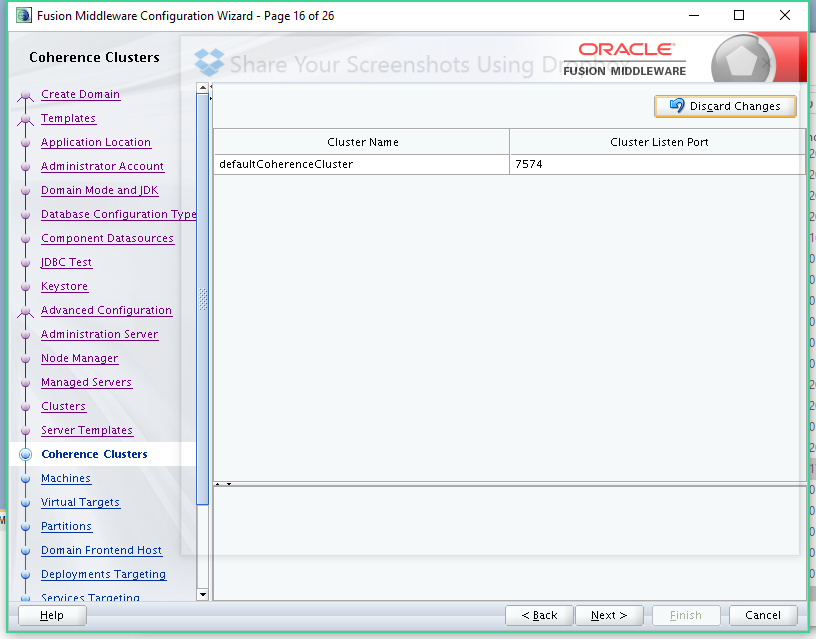


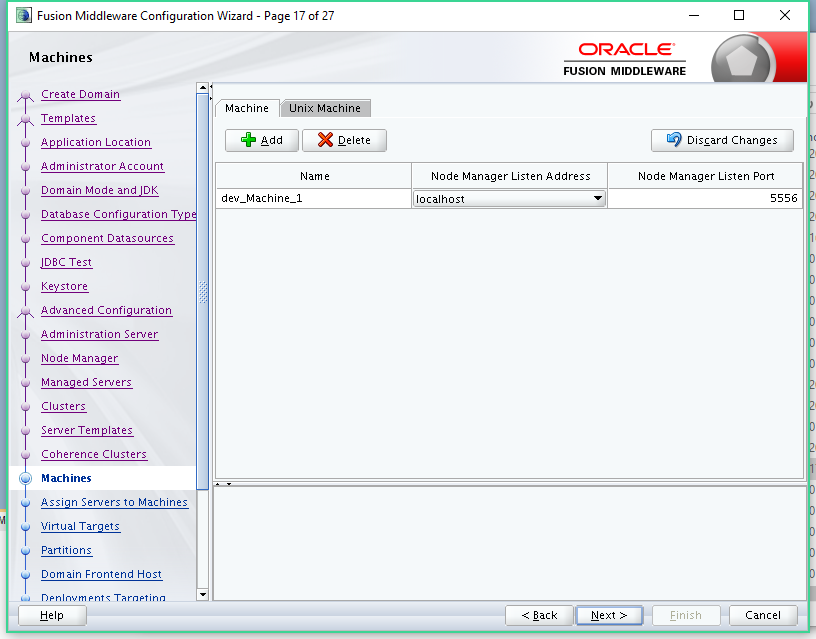


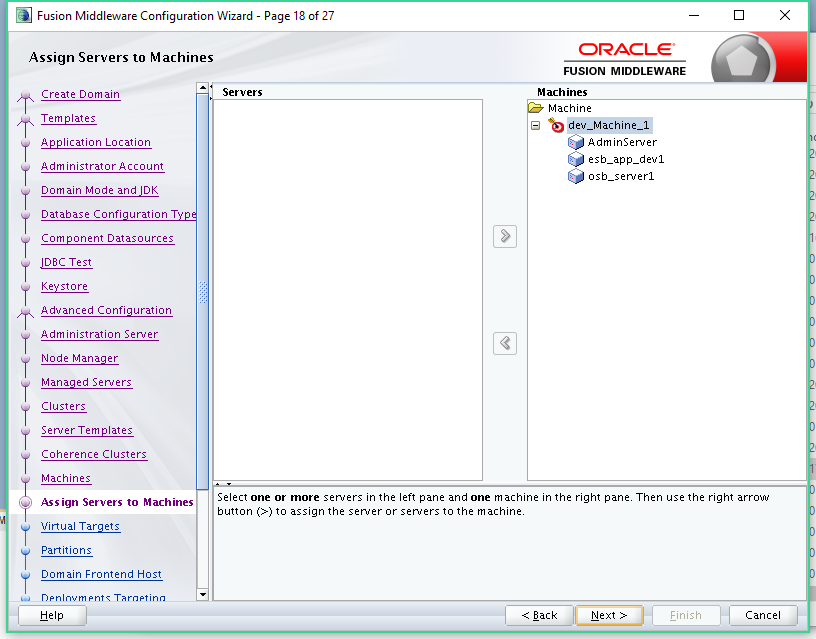












# **JDeveloper Setup**

**Set JDEV\_USER\_DIR**

(Default) $HOME/jdeveloper/mywork

(Recommended) $HOME/jdeveloper/osb.

|  |
| --- |
| cd $ORACLE\_HOME/jdeveloper/jdev/bin  ./jdev  cat /proc/sys/kernel/random/entropy\_avail  rngd -r /dev/urandom -o /dev/random -b  EXTRAOPTIONS="-i -r /dev/urandom -o /dev/random -b -t 60 -W 2048"  cd $ORACLE\_HOME/jdeveloper/jdev/bin  ./jdev |

# **Appendix**



# **Reference Document**

<https://docs.oracle.com/middleware/1213/core/SOAQS/integrated.htm#SOAQS208>