TUTORIAL SETUP WEBLOGIC 12c

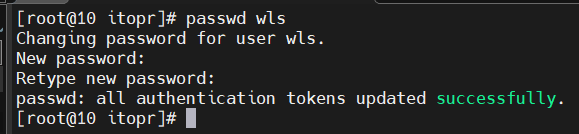
RHEL 8.7 Silent Mode

1. Create Wls User
2. Akses ke root akses, buat group, tambahkan user

|  |
| --- |
| # sudo su  # groupadd wls  # useradd -m wls -g wls |

1. Create password untuk user wls

|  |
| --- |
| # passwd wls |



1. Login ke user : wls

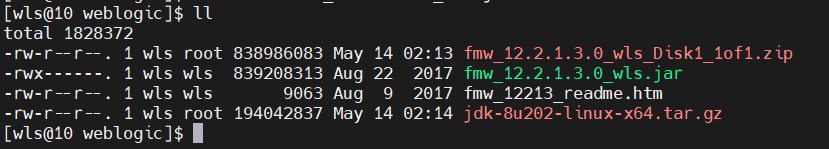
|  |
| --- |
| # su - wls |

1. Copy installer Weblogic 12c dan java (jdk 8)
2. Buat folder Weblogic untuk menampung installer pada /home/wls/weblogic
3. Upload file menggunakan WinScp :
4. fmw\_12.2.1.3.0\_wls\_Disk1\_1of1.zip (installer Weblogic 12c)
5. jdk-8u202-linux-x64.tar.gz (java jdk 8)
6. Unzip file fmw\_12.2.1.3.0\_wls\_Disk1\_1of1.zip

|  |
| --- |
| # unzip fmw\_12.2.1.3.0\_wls\_Disk1\_1of1.zip |

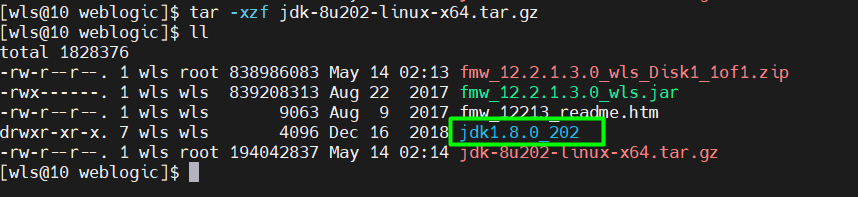
1. Berikan akses execute pada file : fmw\_12.2.1.3.0\_wls.jar

|  |
| --- |
| # chmod 700 fmw\_12.2.1.3.0\_wls.jar |



1. Install Java JDK
2. Extract file jdk-8u202-linux-x64.tar.gz

|  |
| --- |
| # tar -xzf jdk-8u202-linux-x64.tar.gz |



1. Running command di bawah untuk export JAVA\_HOME

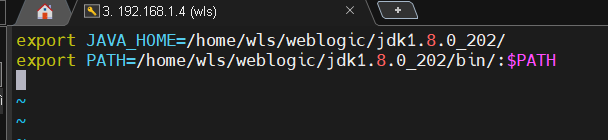
|  |
| --- |
| # export JAVA\_HOME=/home/wls/weblogic/jdk1.8.0\_202/  # export PATH=/home/wls/weblogic/jdk1.8.0\_202/bin/:$PATH  # export PATH=$PATH:/home/wls/weblogic/jdk1.8.0\_202/bin/ |

1. Buka file .bash\_profile

|  |
| --- |
| vi .bash\_profile |

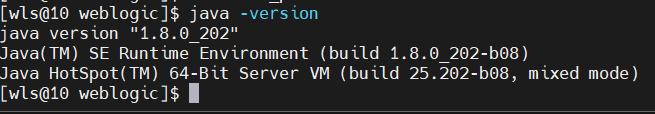
1. Copy command di bawah pada file .bash\_profile

|  |
| --- |
| export JAVA\_HOME=/home/wls/weblogic/jdk1.8.0\_202/  export PATH=/home/wls/weblogic/jdk1.8.0\_202/bin/:$PATH |



1. Cek java version, java berhasil terinstal

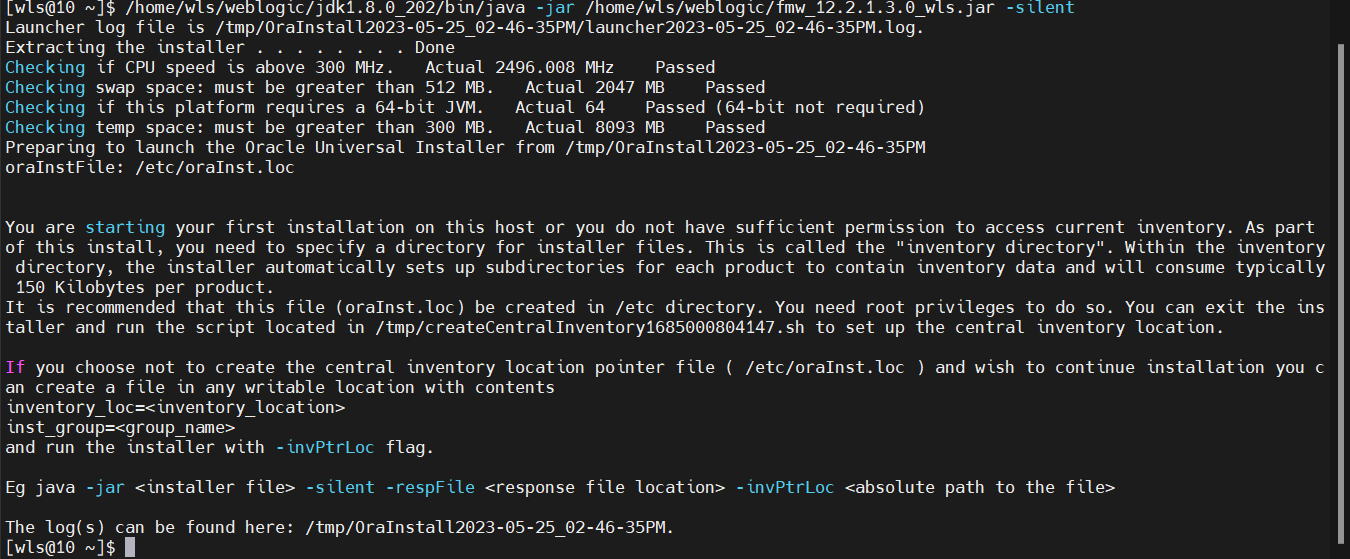
|  |
| --- |
| # java -version |



1. Install Weblogic 12c
2. Running script di bawah, untuk generate file oraInstall

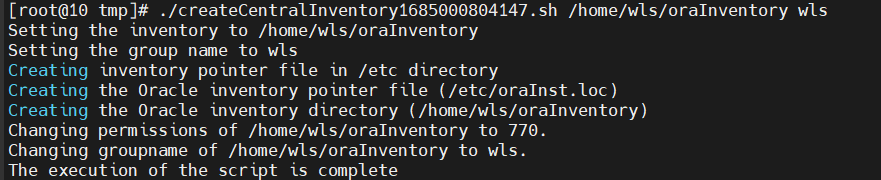
|  |
| --- |
| #/home/wls/weblogic/jdk1.8.0\_202/bin/java -jar /home/wls/weblogic/fmw\_12.2.1.3.0\_wls.jar -silent |

1. Maka file oraInstall akan tergenerate:



1. Masuk ke user root, kemudian lanjutkan dengan command di bawah

|  |
| --- |
| # su – root  # cd /tmp  # ./createCentralInventory1685000804147.sh /home/wls/oraInventory wls |



1. Masuk ke user wls, lalu create response\_file

|  |
| --- |
| # su – wls  # vi responseFile |

1. Buka link berikut :

<https://docs.oracle.com/middleware/1221/core/OUIRF/GUID-19DEEA75-CC63-47D4-BDC7-038E133490E0.htm#OUIRF390>

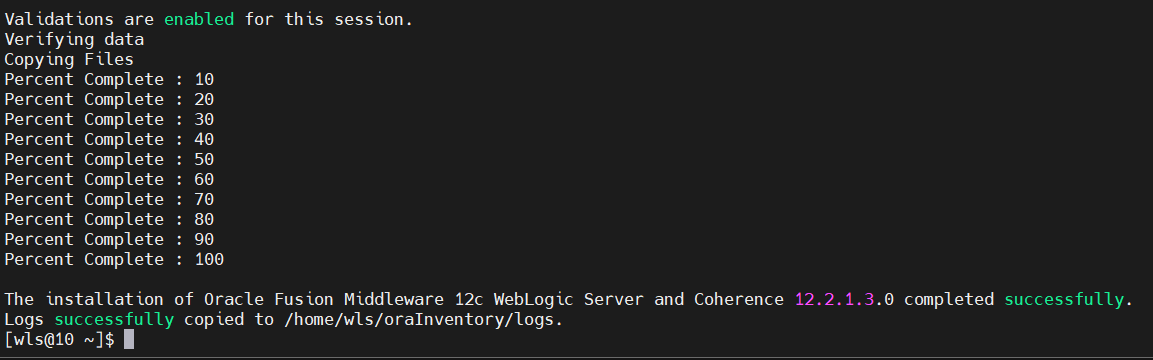
atau copy file berikut :

|  |
| --- |
| [ENGINE]    #DO NOT CHANGE THIS.  Response File Version=1.0.0.0.0    [GENERIC]    #Set this to true if you wish to skip software updates  DECLINE\_AUTO\_UPDATES=true  #  MOS\_USERNAME=  #  MOS\_PASSWORD=<SECURE\_VALUE>  #If the Software updates are already downloaded and available on your local system, then specify the path  #to the directory where these patches are available and set SPECIFY\_DOWNLOAD\_LOCATION to true  AUTO\_UPDATES\_LOCATION=  #  SOFTWARE\_UPDATES\_PROXY\_SERVER=  #  SOFTWARE\_UPDATES\_PROXY\_PORT=  #  SOFTWARE\_UPDATES\_PROXY\_USER=  #  SOFTWARE\_UPDATES\_PROXY\_PASSWORD=<SECURE\_VALUE>  #The oracle home location. This can be an existing Oracle Home or a new Oracle Home  ORACLE\_HOME=/home/wls/Oracle/Oracle\_Home    #Set this variable value to the Installation Type selected. e.g. Fusion Middleware Infrastructure, Fusion Middleware Infrastructure With Examples.  INSTALL\_TYPE=WebLogic Server    #Provide the My Oracle Support Username. If you wish to ignore Oracle Configuration Manager configuration provide #empty string for user name.  MYORACLESUPPORT\_USERNAME=    #Provide the My Oracle Support Password  MYORACLESUPPORT\_PASSWORD=<SECURE VALUE>    #Set this to true if you wish to decline the security updates. Setting this to true and providing empty string for  #My Oracle Support username will ignore the Oracle Configuration Manager configuration  DECLINE\_SECURITY\_UPDATES=true    #Set this to true if My Oracle Support Password is specified  SECURITY\_UPDATES\_VIA\_MYORACLESUPPORT=false    #Provide the Proxy Host  PROXY\_HOST=    #Provide the Proxy Port  PROXY\_PORT=    #Provide the Proxy Username  PROXY\_USER=    #Provide the Proxy Password  PROXY\_PWD=<SECURE VALUE>    #Type String (URL format) Indicates the OCM Repeater URL which should be of the format #[scheme[Http/Https]]://[repeater host]:[repeater port]  COLLECTOR\_SUPPORTHUB\_URL= |

1. Setelah response\_file disimpan, kemudian running script di bawah:

|  |
| --- |
| # ./weblogic/jdk1.8.0\_202/bin/java -jar ./weblogic/fmw\_12.2.1.3.0\_wls.jar -silent -responseFile /home/wls/response\_file |

1. Instalasi weblogic 12c berhasil

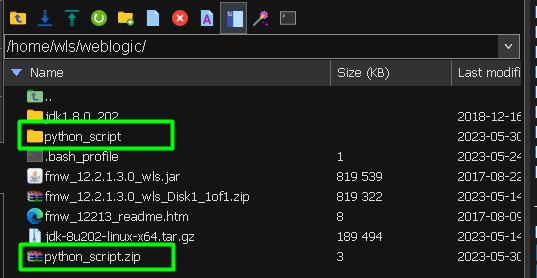


1. Create Domain Weblogic 12c
2. Untuk create domain Weblogic 12c berikut, akan menggunakan WLST Script, running script di bawah:

|  |
| --- |
| # cd /home/wls/Oracle/Oracle\_Home/wlserver/server/bin/  # . ./setWLSEnv.sh |

1. Upload file python\_script.zip ke folder weblogic, lalu extract

|  |
| --- |
| # unzip python\_script.zip |



1. Buat folder di /var/tmp/weblogic\_script, lalu copy file wls\_domain\_creator.py dan domain.properties

|  |
| --- |
| # mkdir /var/tmp/weblogic\_script  # cp /home/wls/weblogic/python\_script/wls\_domain\_creator.py /var/tmp/weblogic\_script/  # cp /home/wls/weblogic/python\_script/domain.properties /var/tmp/weblogic\_script/  # cd /var/tmp/weblogic\_script/ |

1. Running script di bawah untuk mulai create domain

|  |
| --- |
| # java weblogic.WLST wls\_domain\_creator.py |

1. Setelah domain selesai di create, running script di bawah untuk membuat boot credentials

|  |
| --- |
| # cd /home/wls/Oracle/Oracle\_Home/domains/skdkpei/servers/AdminServer  # mkdir security  # vi boot.properties |

1. Isi boot.properties dengan script dibawah, lalu save

|  |
| --- |
| username=weblogic  password=weblogic123 |

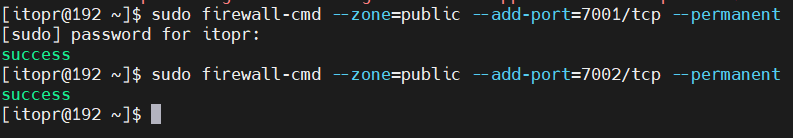
1. Rubah pengaturan confix.xml, lalu simpan

|  |
| --- |
| # cd /home/wls/Oracle/Oracle\_Home/domains/skdkpei/config/  # vi config.xml |

|  |
| --- |
| <server>  <name>AdminServer</name>  <ssl>  <name>AdminServer</name>  <enabled>false</enabled>  </ssl>  <machine>mwi-vm01</machine>  <listen-port>7001</listen-port>  <listen-port-enabled>true</listen-port-enabled>  <listen-address></listen-address>  </server> |

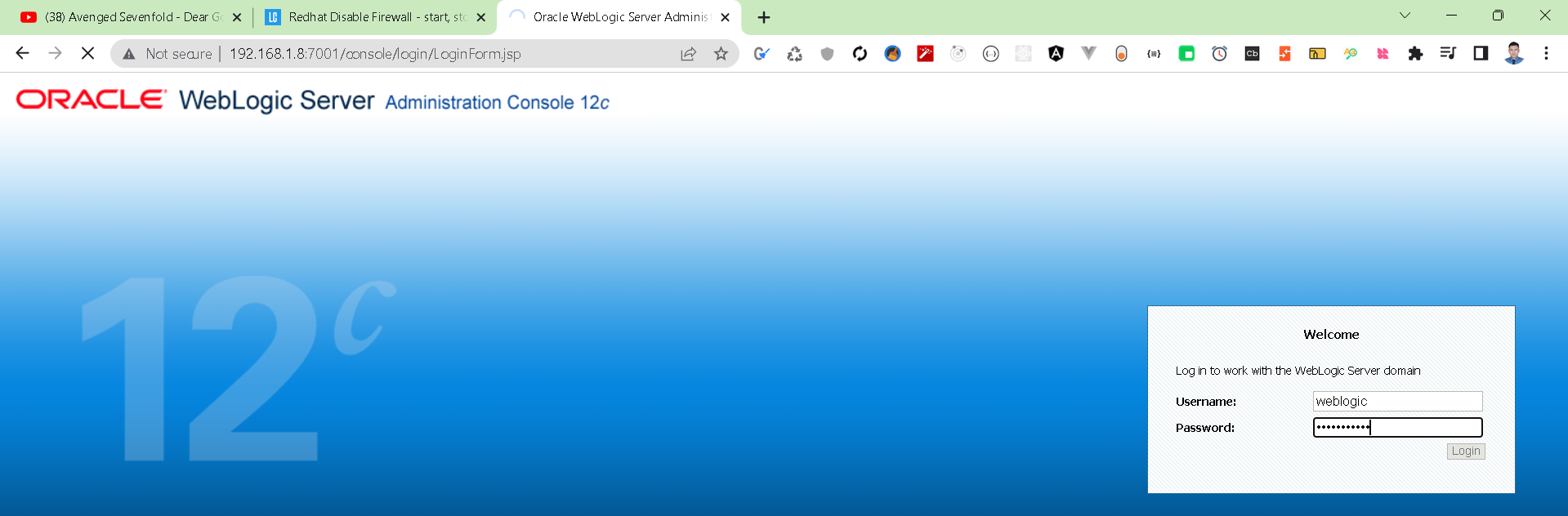
1. Open port 7001 pada RHEL menggunakan firewall-cmd menggunakan akses user root

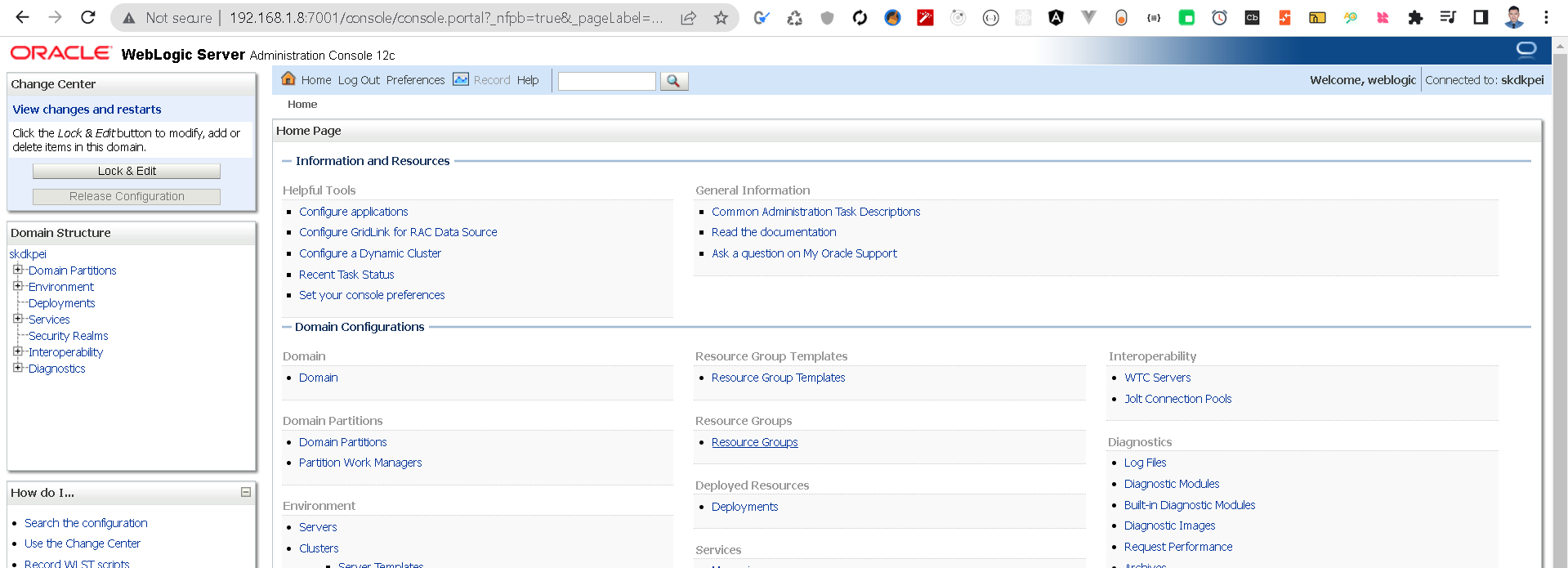
|  |
| --- |
| # sudo su  # firewall-cmd --zone=public --add-port=7001/tcp –permanent  # firewall-cmd --zone=public --add-port=7002/tcp –permanent  # firewall-cmd --reload |



1. Start Weblogic 12c

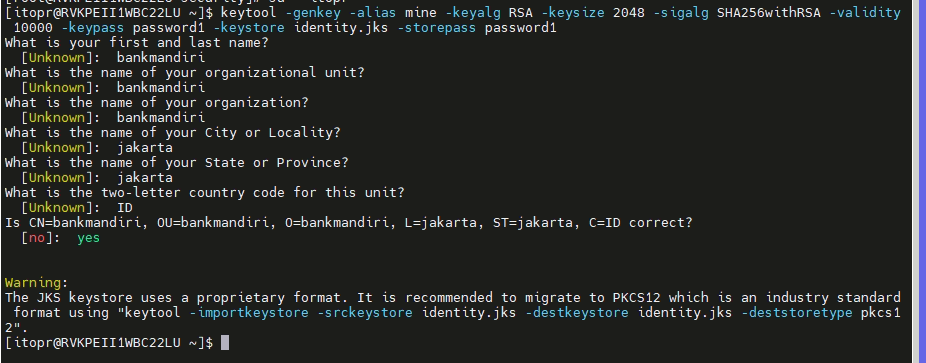
|  |
| --- |
| # cd /home/wls/Oracle/Oracle\_Home/domains/skdkpei/bin/  # ./ startWebLogic.sh (untuk run manual)  # nohup ./ startWebLogic.sh & (untuk run via nohup) |

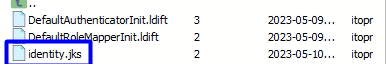




1. SETUP SSL Weblogic 12c
2. CD KE /home/itopr/Oracle/Oracle\_Home/domains/skdkpei/security/
3. Running script berikut untuk generate identity.jks:

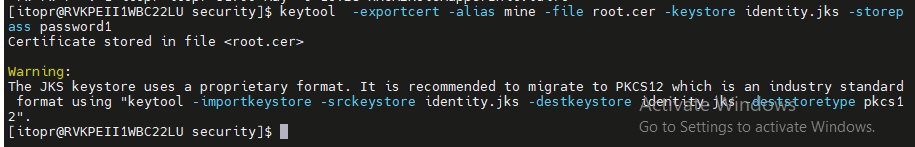
|  |
| --- |
| # keytool -genkey -alias mine -keyalg RSA -keysize 2048 -sigalg SHA256withRSA -validity 10000 -keypass password1 -keystore identity.jks -storepass password1 |

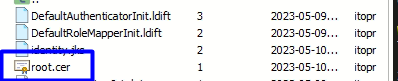




1. Running script berikut untuk export certificate

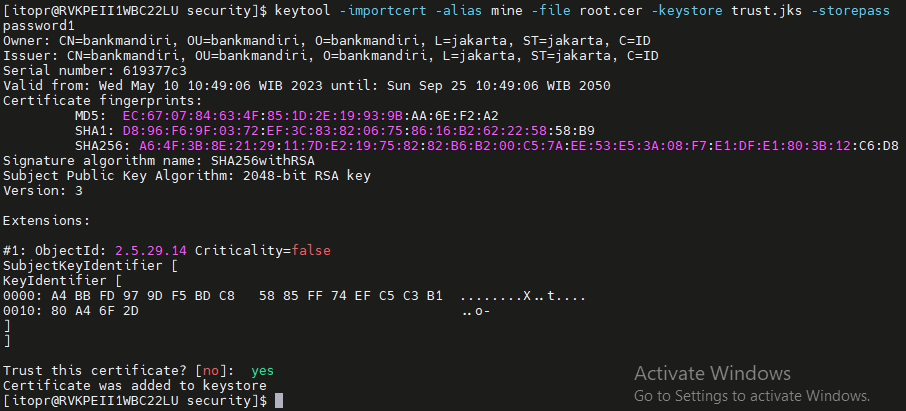
|  |
| --- |
| # keytool -exportcert -alias mine -file root.cer -keystore identity.jks -storepass password1 |

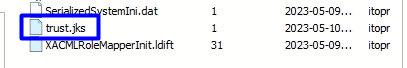


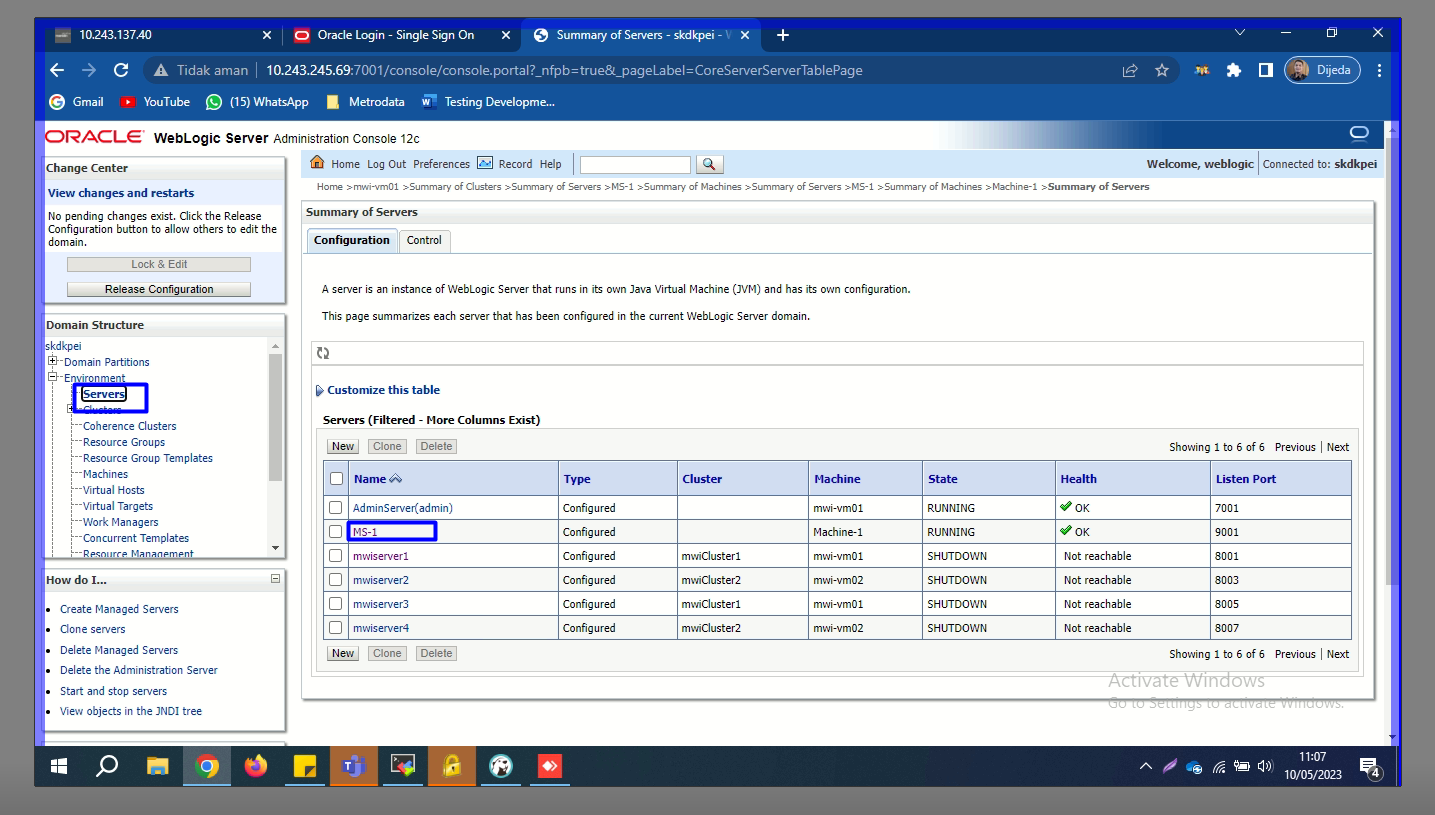


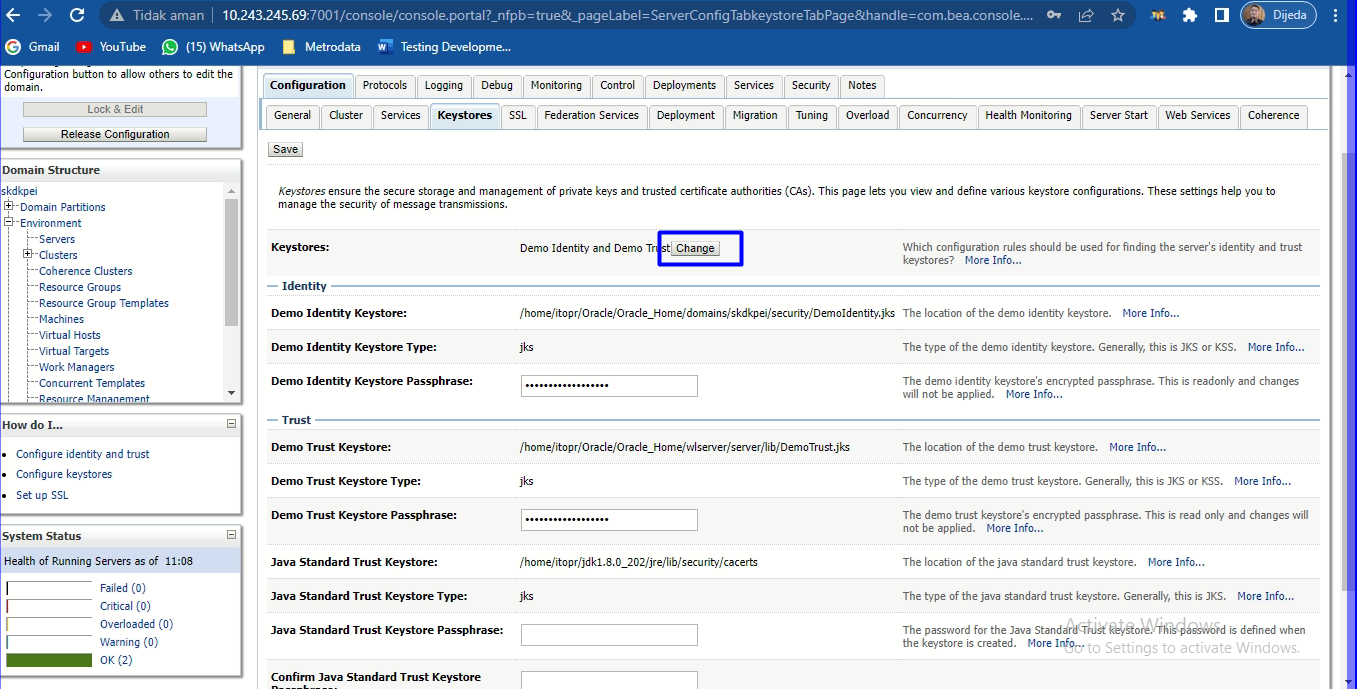
1. Running script berikut untuk import certificate

|  |
| --- |
| # keytool -importcert -alias mine -file root.cer -keystore trust.jks -storepass password1 |

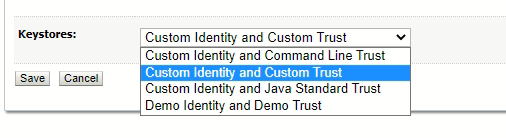




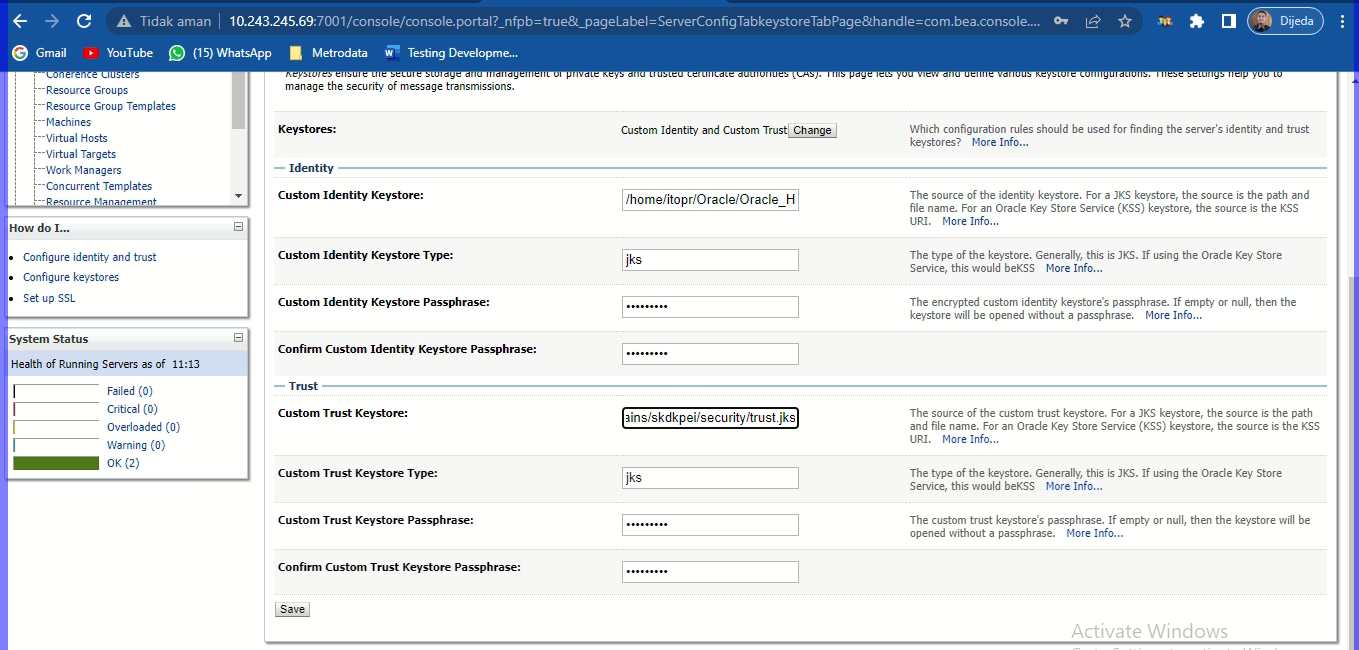
1. Buka weblogic console, pilih server -> MS-1, kemudian pilih tab keystore
2. Klik change



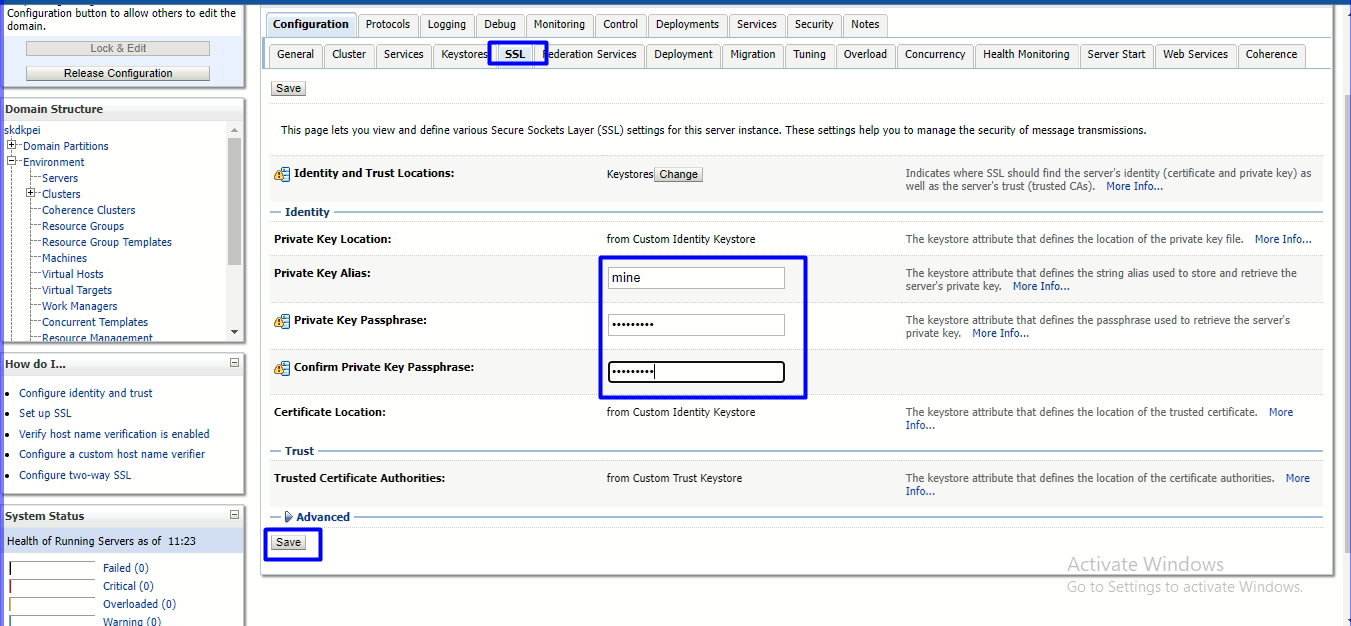
1. Pilih poin nomor 2



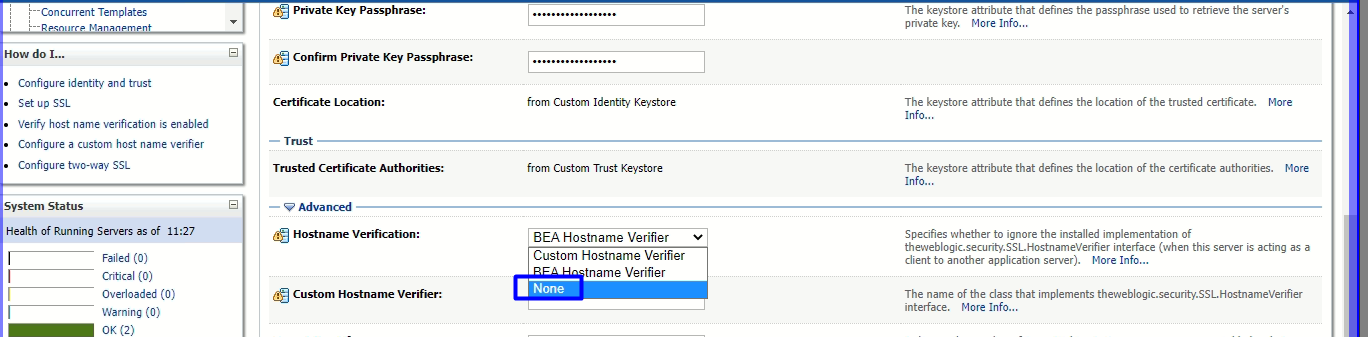
1. Lengkapi form Path Identity dan Trush, simpan, kemudian klik active change di kanan atas.



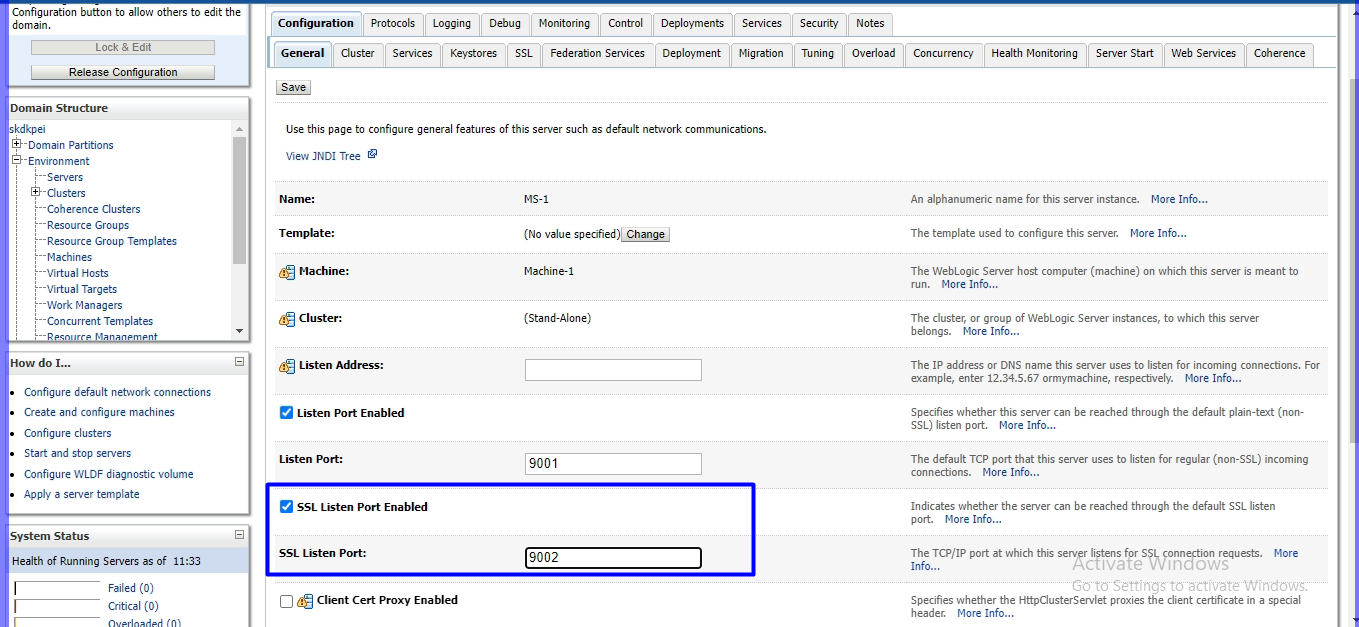
1. Buka tab SSL, lengkapi form alias, kemudian save



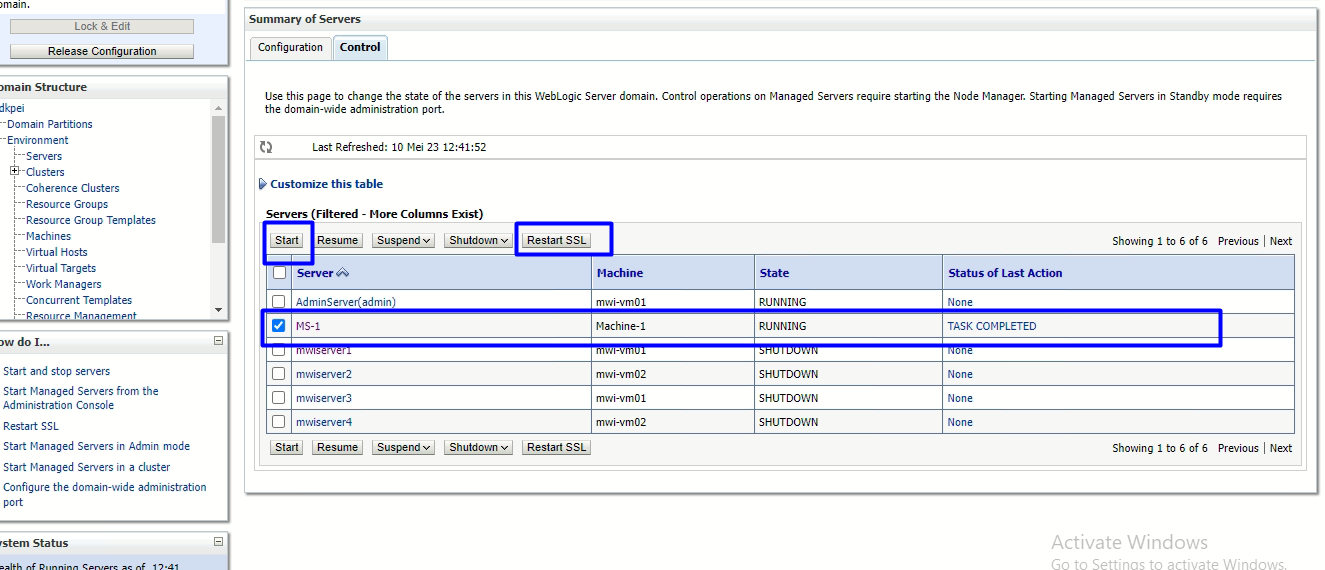
1. Klik Advanced pada SSL, pada Hostname Verification pilih none, lalu save, dan Active change



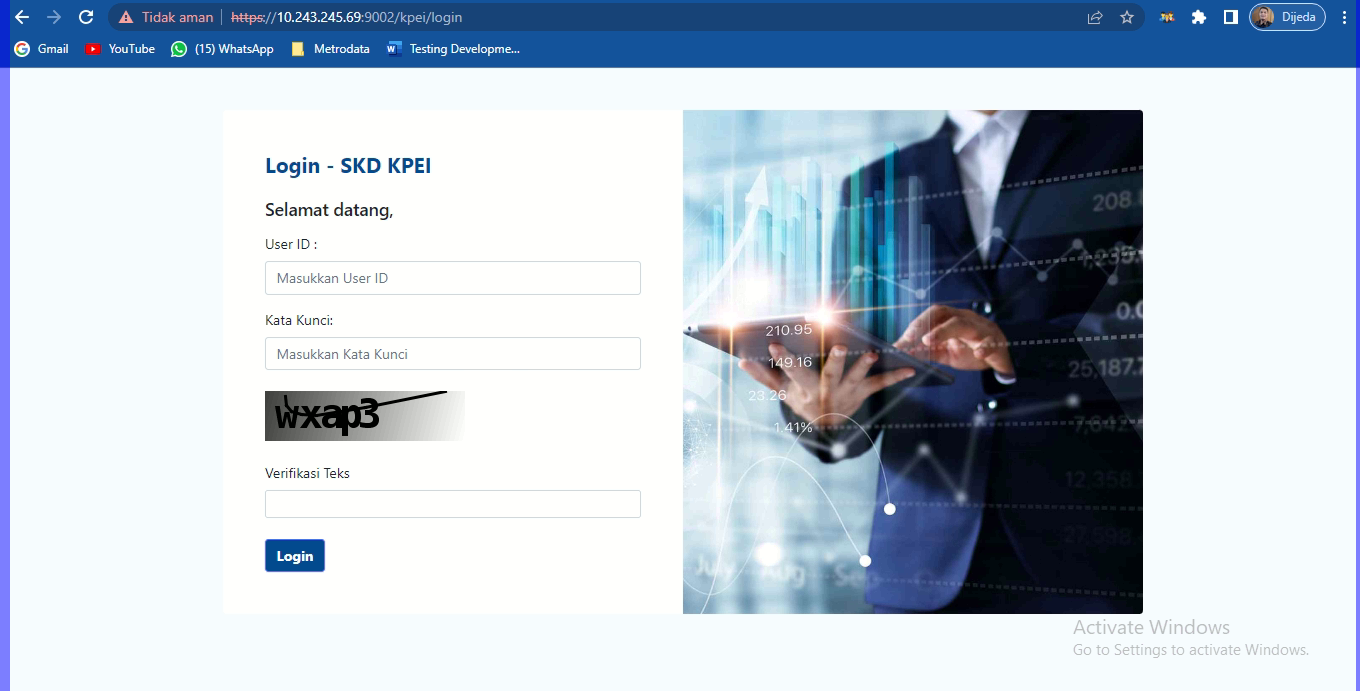
1. Pada MS-1 Server -> General, centang SSL Listen Port Enabled, dan masukkan port, kemudian klik Active Change



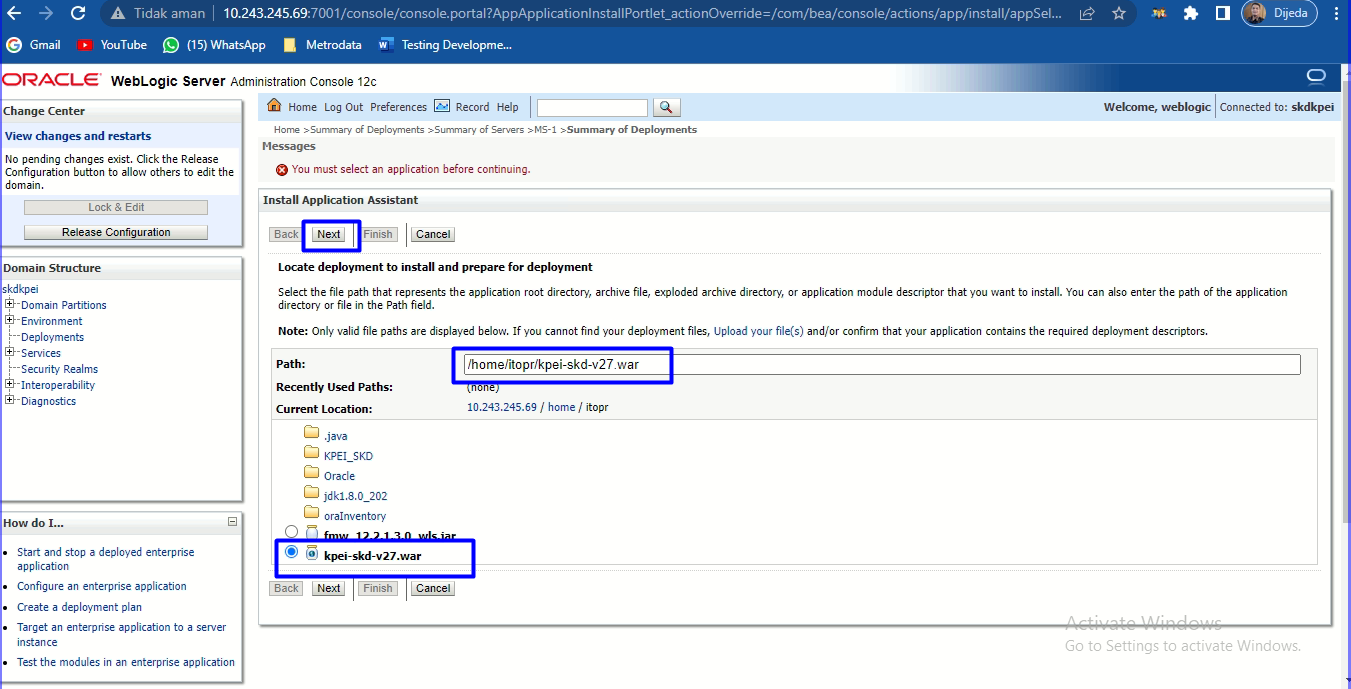
1. Pada server, klik tab control, restart SSL, kemudian stop, dan start lagi MS-1



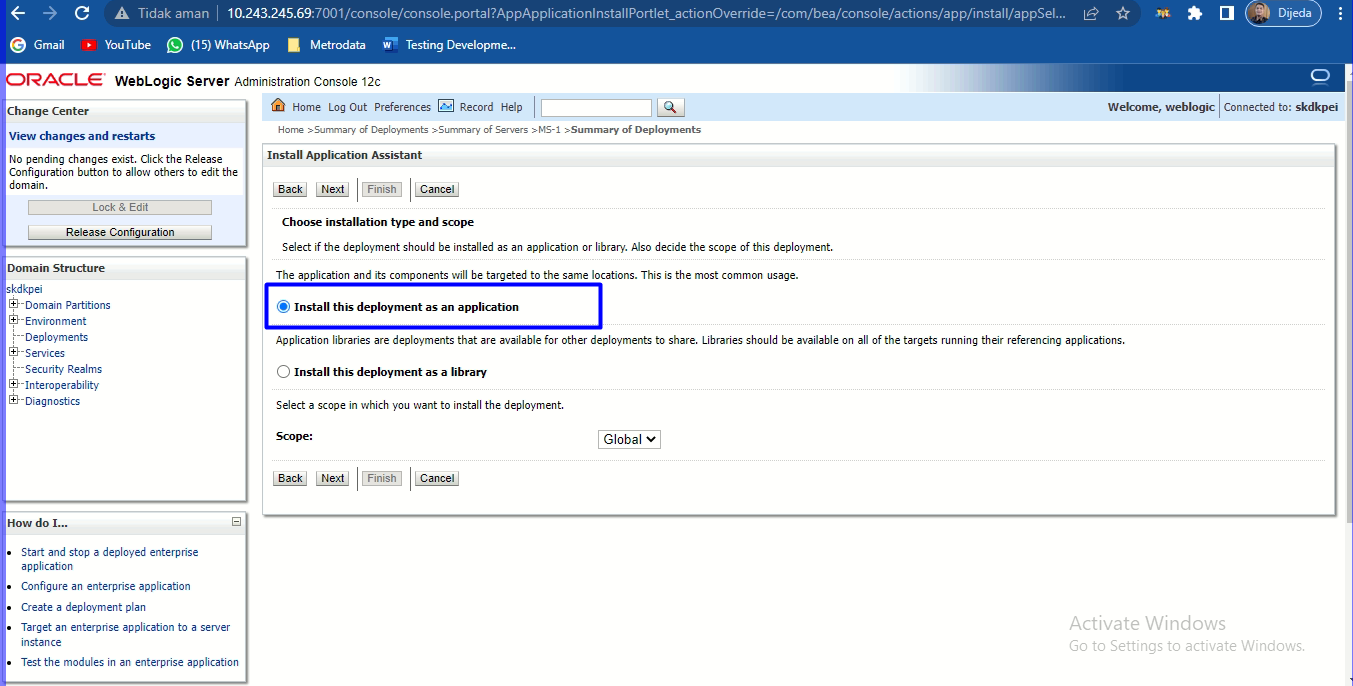
1. SSL Berhasil



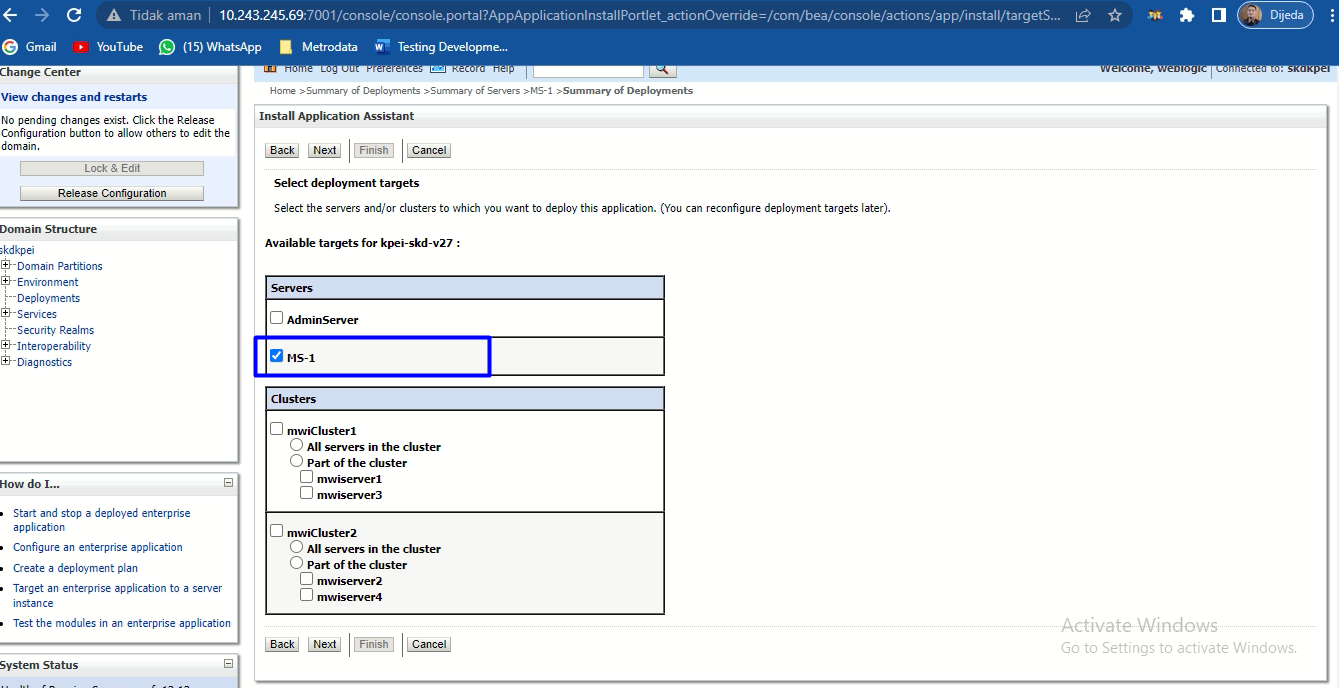
1. Deployments
2. Buka Weblogic admin server klik menu deployments, klik install, pilih .war file, kemudian klik next



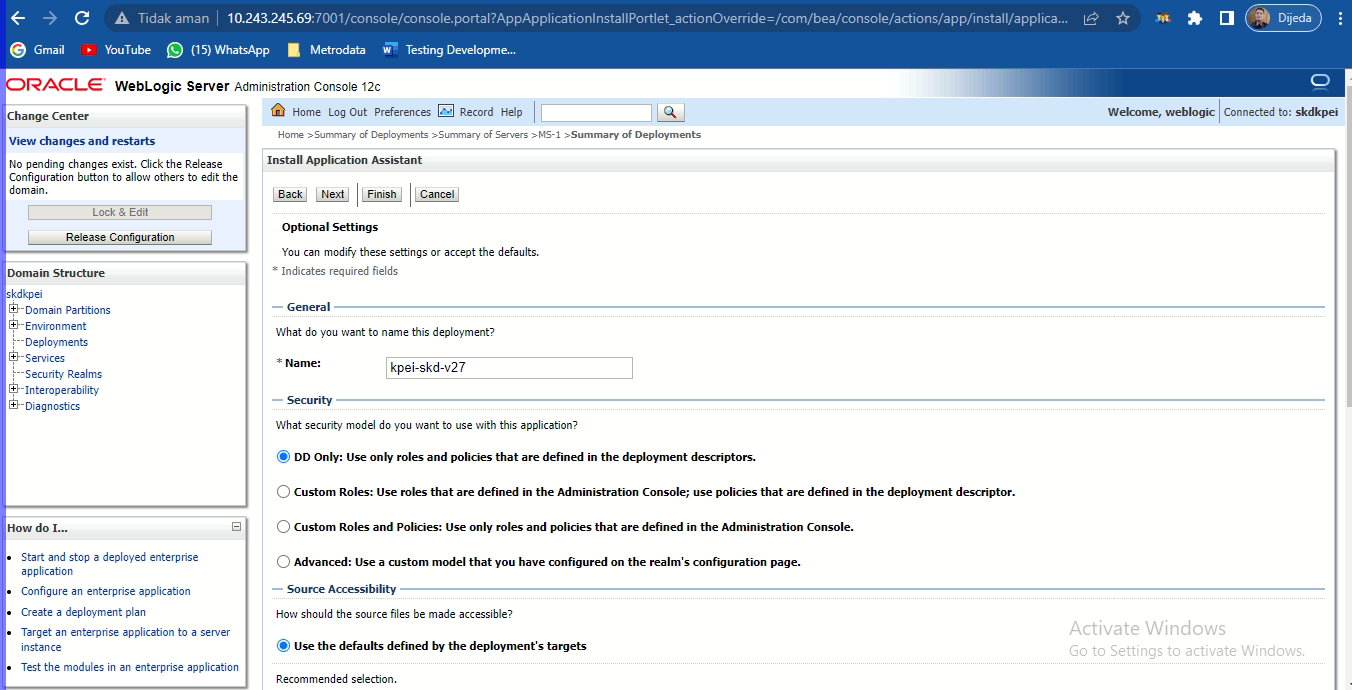
1. Pilih install this deployment as an application, kemudian klik next



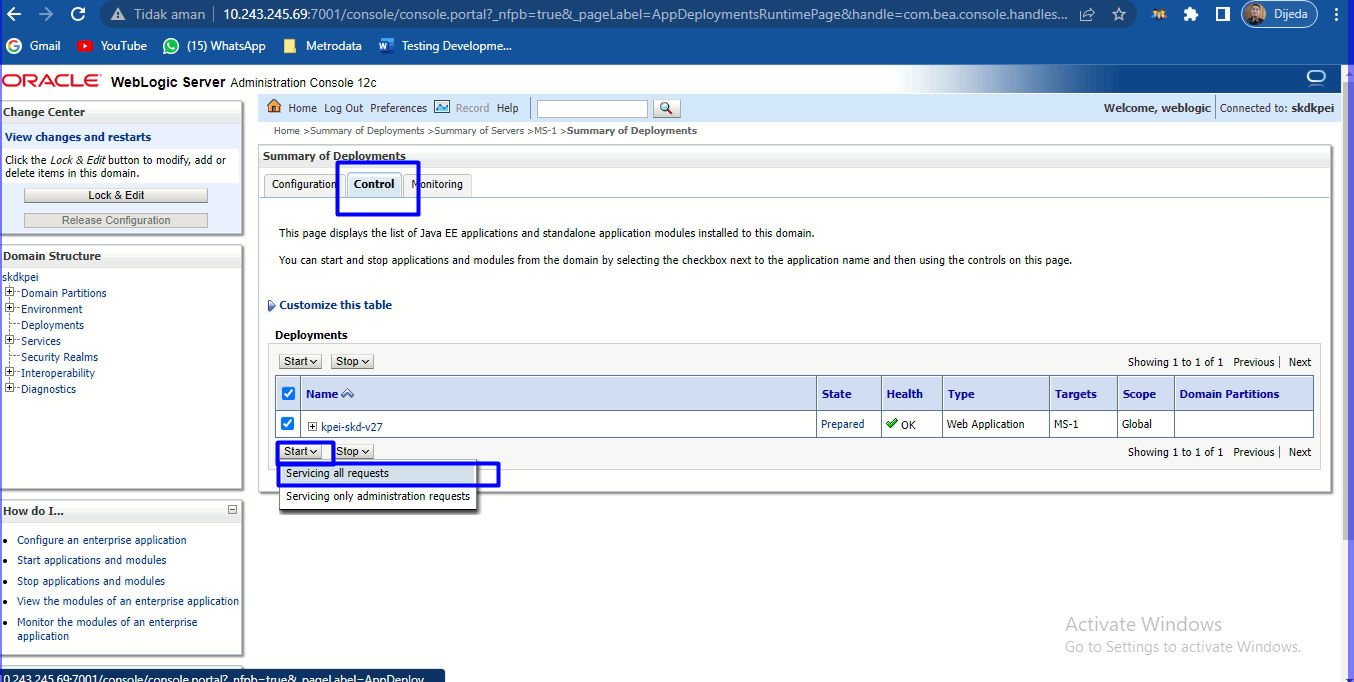
1. Pilih target server, pilih MS-1, klik next



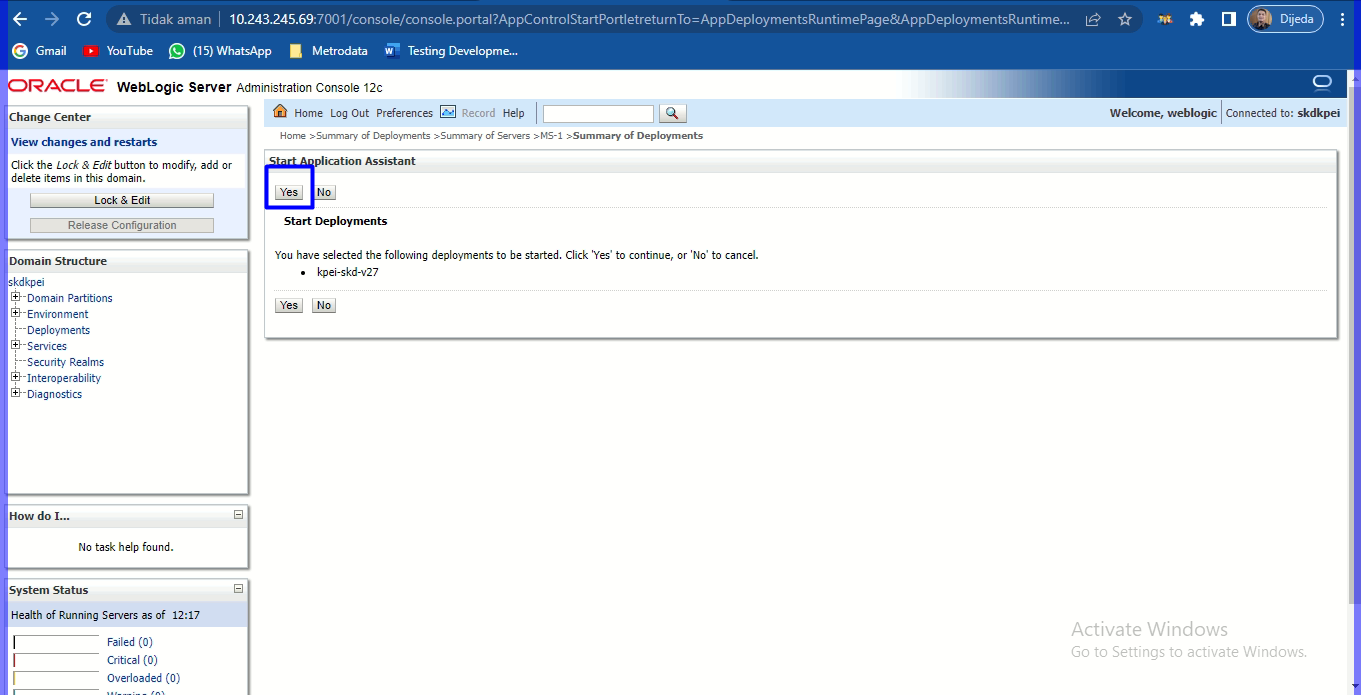
1. Klik finish, kemudian active change



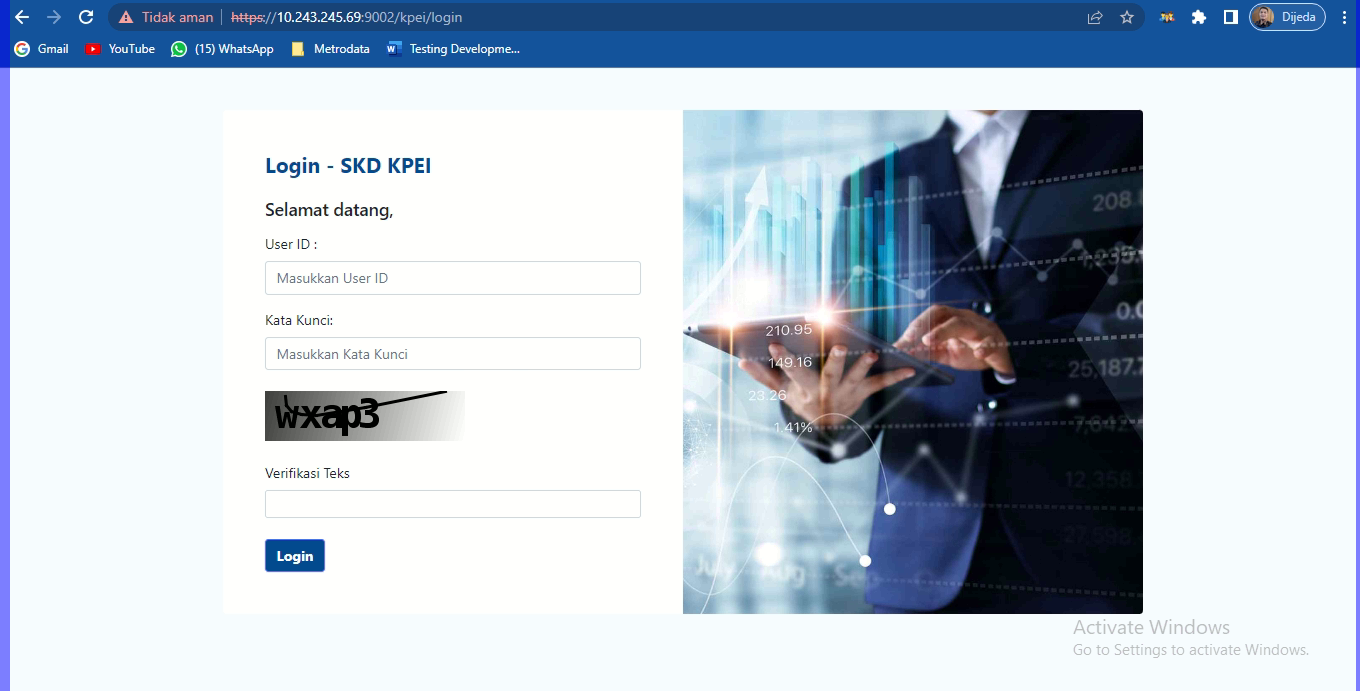
1. Klik tab menu control, centang file .war yang akan di run, start -> servicing all request



1. Klik yes

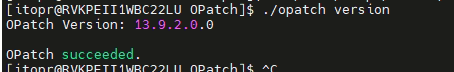


1. Deployment berhasil



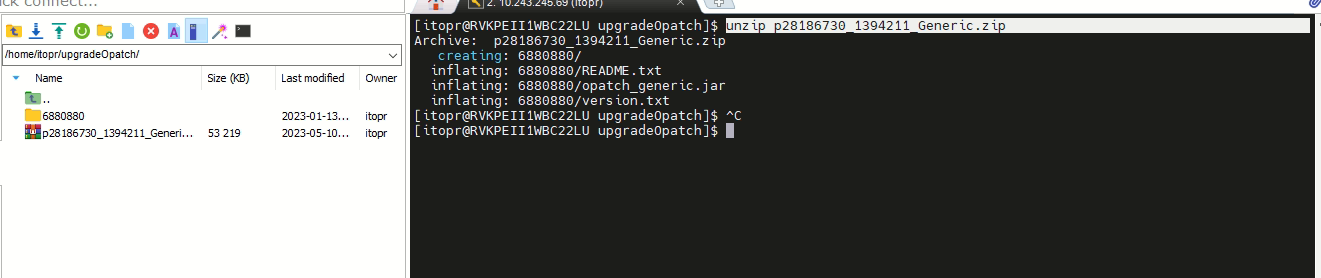
1. Upgrade Opatch
2. Cek versi existing opatch terlebih dahulu sebelum di update

|  |
| --- |
| # cd /home/itopr/Oracle/Oracle\_Home/OPatch/  # ./opatch version |



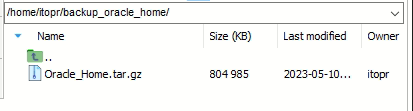
1. Unzip opatch yang akan di upgrade

|  |
| --- |
| # unzip p28186730\_1394211\_Generic.zip |



1. Backup folder Oracle\_Home sebelum upgrade opatch

|  |
| --- |
| # sudo tar -czvf Oracle\_Home.tar.gz ./Oracle\_Home/ |

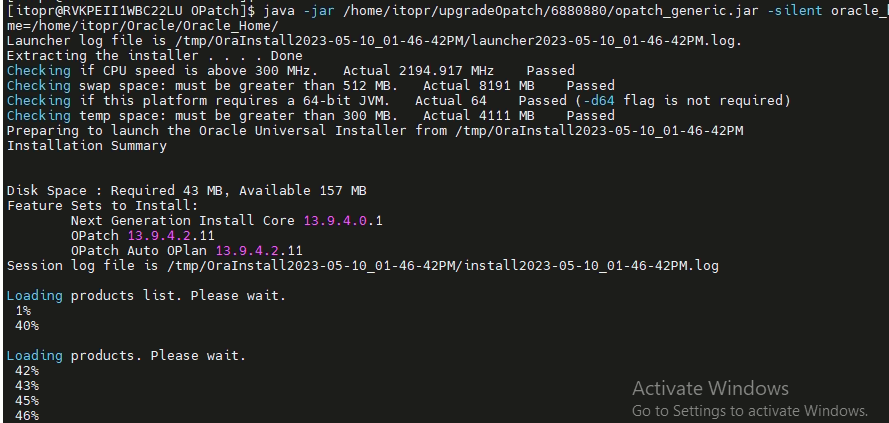


1. Cd ke direktori OPatch di Oracle Home

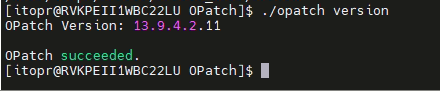
|  |
| --- |
| # cd /home/itopr/Oracle/Oracle\_Home/OPatch |

1. Jalankan script di bawah

|  |
| --- |
| # java -jar /home/itopr/upgradeOpatch/6880880/opatch\_generic.jar -silent oracle\_home=/home/itopr/Oracle/Oracle\_Home/ |

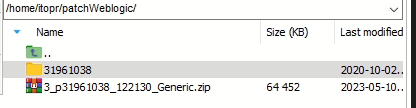


1. Cek OPatch version, opatch berhasil di update



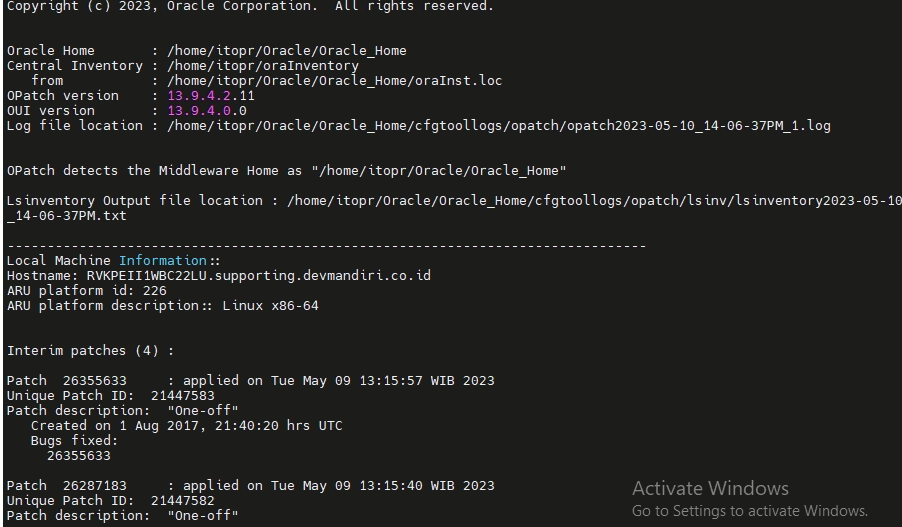
1. Apply Weblogic Patch menggunakan Opatch utility
2. Unzip patch yang akan di apply

|  |
| --- |
| # unzip 3\_p31961038\_122130\_Generic.zip |



1. Cek existing patch terlebih dahulu (default patch bawaan instalasi weblogic)

|  |
| --- |
| # ./opatch lsinventory |

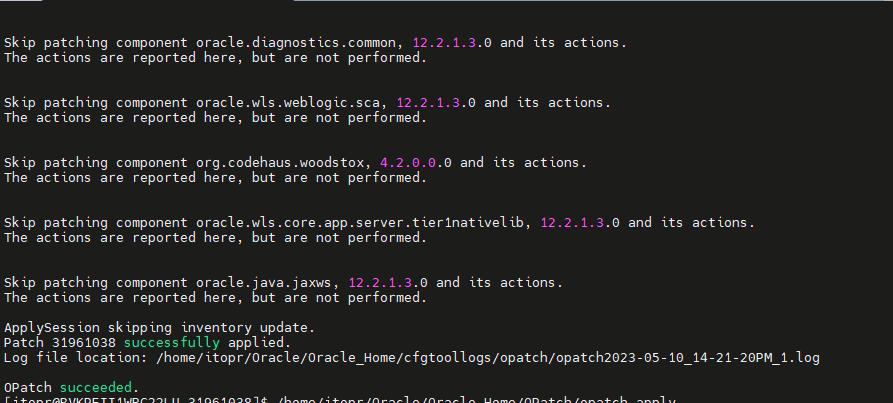


1. CD ke patch yang akan di apply

|  |
| --- |
| # cd /home/itopr/patchWeblogic/31961038/ |

1. Jalankan Opatch Apply Report untuk cek apakah patch akan berhasil di patch atau tidak (script ini hanya untuk cek berhasil atau tidak)

|  |
| --- |
| # /home/itopr/Oracle/Oracle\_Home/OPatch/opatch apply -report |



1. Apabila opatch -report success, maka patch ready untuk di apply, jalankan script berikut

|  |
| --- |
| # /home/itopr/Oracle/Oracle\_Home/OPatch/opatch apply |

1. Apply patch sukses

