Oracle Database 12c

Installation

Sisindokom Advance Services

Medalsa and Medalcus

BRI

November 2017

Prepared by: Agung Purwanto



Eri Wibowo

Dika Arif Purnomo

Version 1.0

@2017

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Medallionsa and Medallioncus Database Information | | | | |
|  | | | | |
| Customer | : | BRI | | |
| Issue | : | 1.0 | | |
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| Status | : | Draft | | |
| Distribution | : | Sisindokom Lintasbuana | |  |
|  |  |  | |  |
| Prepared by | : | Agung Purwanto  Eri Wibowo  Dika Arif Purnomo | DBA  Date: 09/11/2017 | |

# Version History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Status | Author |
| 09-11-2017 | 1.0 | Create draft of documentation | Eri Wibowo |
|  |  |  |  |
|  |  |  |  |

**References**

| Ref | Title | Issue | Status | Author |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Approval

| Company | Name | Position | Sign and Date |
| --- | --- | --- | --- |
| Bank Rakyat Indonesia | Zulkarnaen |  |  |
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# Introduction

## Introduction

This document provides information about activities of Oracle database medallionsa and medallioncus Oracle Database 12c Installation that have been implement

## Purpose

This document gives information about Oracle Database 12c software Installation and Create Database medallionsa and medallioncus steps

# Server Information (host)

In Server Information (host) consist of OS information.

## Operating Sytem Overview

|  |  |  |
| --- | --- | --- |
| **Hostname** | **Version** | **Status** |
| WIN-TOQJ4RIAATM | Windows Server 2012 R2 Standard 64-bit (6.3, Build 9600) | VM |

|  |  |  |
| --- | --- | --- |
| **Hostname** | **IP address** | **OS User** |
| WIN-TOQJ4RIAATM | 172.18.41.207 | Administrator |

# Database Information (Instance)

In Database Information (Instance) consist of database and instance information. Also database software options have been installed in Database.

## Instance Overview

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Value** | |
| **Instance Name** | MEDALSA | MEDALCUS |
| **Database Version** | 12.1.0.2 | 12.1.0.2 |
| **Database compatibility** | 12.1.0.2 | 12.1.0.2 |
| **Cluster (RAC)** | NO | NO |
| **Instance Status** | OPEN | OPEN |
| **Archiver** | NO | NO |

## Database Overview

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Value** | |
| **Database Name** | MEDALSA | MEDALCUS |
| **Database ID** | 313590759 | 2178264062 |
| **Database Unique Name** | MEDALSA | MEDALCUS |
| **Creation Date** | 09/11/2017 | 09/11/2017 |
| **Platform** | Windows Server 2012 R2 Standard | Windows Server 2012 R2 Standard |
| **Archive Log Mode** | Noarchivelog | Noarchivelog |
| **Open Mode** | Read write | Read write |
| **Force Logging** | NO | NO |
| **Storage** | Internal | Internal |
| **Database Role** | - | - |
| **Oracle Dataguard** | NO | NO |
| **EM Database Express** | Yes | Yes |

## Database Option

|  |  |
| --- | --- |
| **Option Name** | **Installed?** |
| **ASM Proxy Instance** | FALSE |
| **Active Data Guard** | FALSE |
| **Adaptive Execution Plans** | FALSE |
| **Advanced Analytics** | FALSE |
| **Advanced Compression** | FALSE |
| **Advanced Index Compression** | FALSE |
| **Advanced replication** | FALSE |
| **Application Role** | FALSE |
| **Automatic Data Optimization** | FALSE |
| **Automatic Storage Management** | FALSE |
| **Backup Encryption** | FALSE |
| **Basic Compression** | FALSE |
| **Bit-mapped indexes** | FALSE |
| **Block Change Tracking** | FALSE |
| **Block Media Recovery** | FALSE |
| **Cache Fusion Lock Accelerator** | FALSE |
| **Change Data Capture** | FALSE |
| **Coalesce Index** | TRUE |
| **Connection multiplexing** | TRUE |
| **Connection pooling** | TRUE |
| **Cross Transportable Backups** | FALSE |
| **DICOM** | TRUE |
| **Data Mining** | FALSE |
| **Data Redaction** | FALSE |
| **Database queuing** | TRUE |
| **Database resource manager** | FALSE |
| **Deferred Segment Creation** | FALSE |
| **Duplexed backups** | FALSE |
| **Enterprise User Security** | FALSE |
| **Exadata Discovery** | FALSE |
| **Export transportable tablespaces** | FALSE |
| **Fast-Start Fault Recovery** | FALSE |
| **File Mapping** | FALSE |
| **Fine-grained Auditing** | FALSE |
| **Fine-grained access control** | FALSE |
| **Flashback Data Archive** | TRUE |
| **Flashback Database** | FALSE |
| **Flashback Table** | FALSE |
| **Global Data Services** | FALSE |
| **Heat Map** | FALSE |
| **I/O Server** | FALSE |
| **In-Memory Aggregation** | FALSE |
| **In-Memory Column Store** | FALSE |
| **Incremental backup and recovery** | TRUE |
| **Instead-of triggers** | TRUE |
| **Java** | TRUE |
| **Join index** | FALSE |
| **Managed Standby** | FALSE |
| **Management Database** | FALSE |
| **Materialized view rewrite** | FALSE |
| **OLAP Window Functions** | TRUE |
| **OLAP** | FALSE |
| **Objects** | TRUE |
| **Online Index Build** | FALSE |
| **Online Redefinition** | FALSE |
| **Oracle Data Guard** | FALSE |
| **Oracle Database Vault** | FALSE |
| **Oracle Label Security** | FALSE |
| **Parallel backup and recovery** | FALSE |
| **Parallel execution** | FALSE |
| **Parallel load** | TRUE |
| **Partitioning** | FALSE |
| **Plan Stability** | TRUE |
| **Point-in-time tablespace recovery** | FALSE |
| **Privilege Analysis** | FALSE |
| **Proxy authentication/authorization** | TRUE |
| **Real Application Clusters** | FALSE |
| **Real Application Security** | FALSE |
| **Real Application Testing** | FALSE |
| **Result Cache** | FALSE |
| **SQL Plan Management** | FALSE |
| **Sample Scan** | TRUE |
| **SecureFiles Encryption** | FALSE |
| **Server Flash Cache** | FALSE |
| **Snapshot time recovery** | FALSE |
| **Spatial** | FALSE |
| **Streams Capture** | FALSE |
| **Table Clustering** | FALSE |
| **Transparent Application Failover** | TRUE |
| **Transparent Data Encryption** | FALSE |
| **Transparent Sensitive Data Protection** | FALSE |
| **Trial Recovery** | FALSE |
| **Unified Auditing** | FALSE |
| **Unused Block Compression** | FALSE |
| **XStream** | TRUE |
| **Zone Maps** | FALSE |

# Oracle Database 12c Installation

The procedue of installation are :

* Configure system to support Oracle Database.
* Install the Oracle Database software on a local file system.
* Configure a general-purpose Oracle database that uses the local file system for database file storage.

Results of a Successfuln database Installation

* The database that created and the default Oracle Net listener process run on the system.
* Oracle Enterprise Manager Database Express is running and can be accessed using a Web browser .
* Client Connection test is successful.

## Prerequisites

### Hardware Requirement

* Physical Memory (RAM) is 2 GB minimum
* Virtual memory (swap)
* If physical memory is between 2 GB and 16 GB, then set virtual memory to 1 times the size of the RAM
* If physical memory is more than 16 GB, then set virtual memory to 16 GBCreate new mountpoint /u02
* Disk space size is 10 GB minimum
* System Architecture is AMD64, or Intel Extended memory (EM64T)
* Video Adapter is 256 colors
* Screen Resolution at least 1024 x 768, which Oracle Universal Installer requires.
* Minimum network connectivity : Server is connected to a network

### Hard Disk Space Requirement

* Installation Type : Typical Installation
* Temp space : 500 MB
* C:\Program Files\Oracle\Inventory : 700 KB
* Oracle\_Home : 4.8 GB
* Datafiles \* : 5.1 GB

*\*) Refers to the contents of the admin, cfgtoollogs, flash\_recovery\_area, and oradata directories in the ORACLE\_BASE directory.*

* Total : 10.4 GB

### Software Requirement :

* Operating System :

Oracle Database for Windows x64 is supported on the following operating systems:

Windows Server 2008 x64 and Windows Server 2008 R2 x64 - Standard, Enterprise, Datacenter, Web, and Foundation editions.

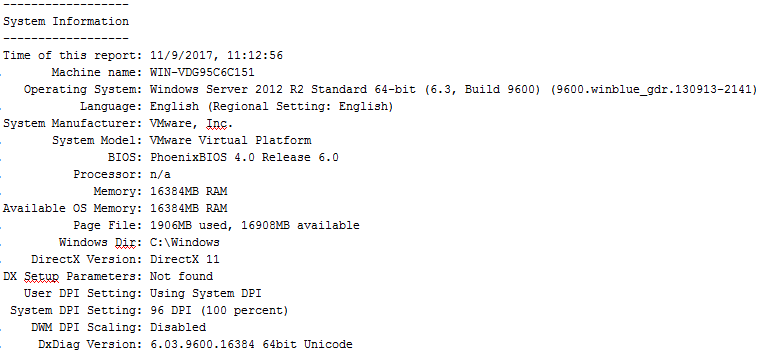
or

Windows Server 2012 x64 and Windows Server 2012 R2 x64 - Standard, Datacenter, Essentials, and Foundation editions

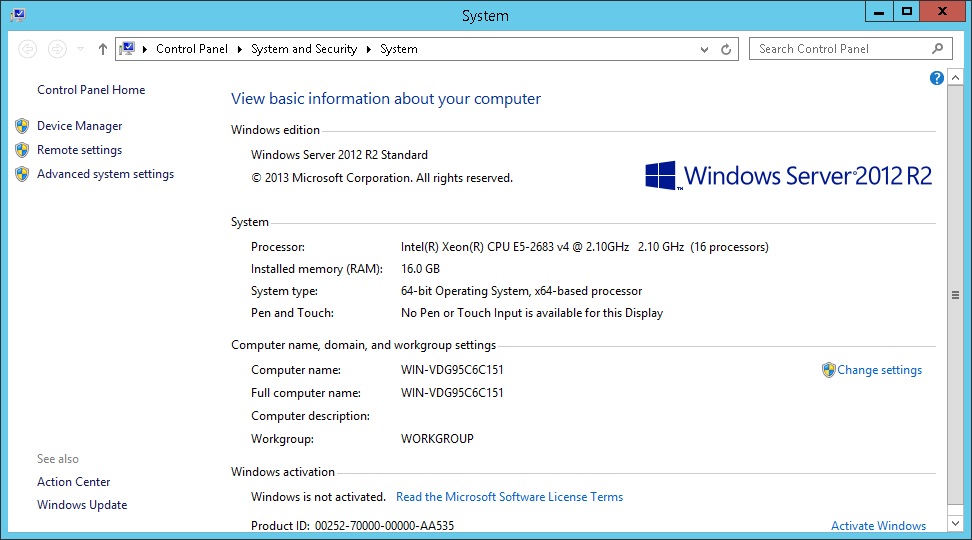
# Main Activities

## Check Hardware and Software Requirement

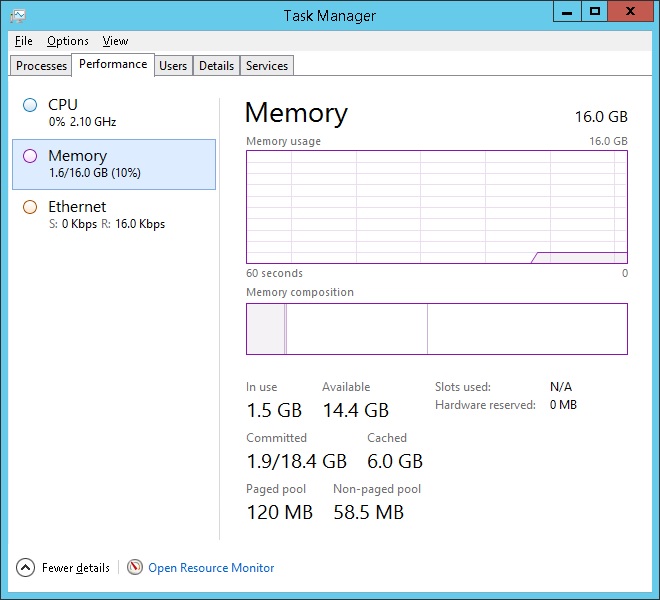
1. dxdiag



1. System information



c. Memory Utilization



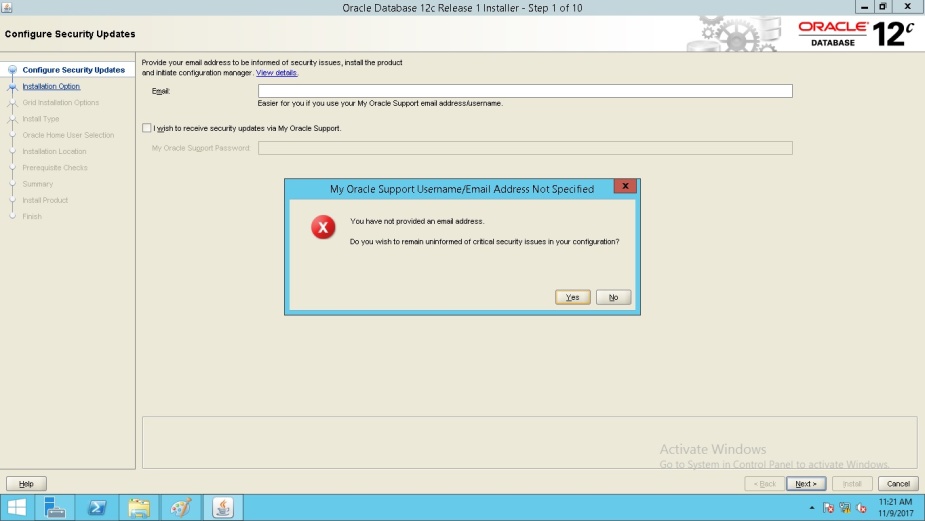
d. Drive partition utilization



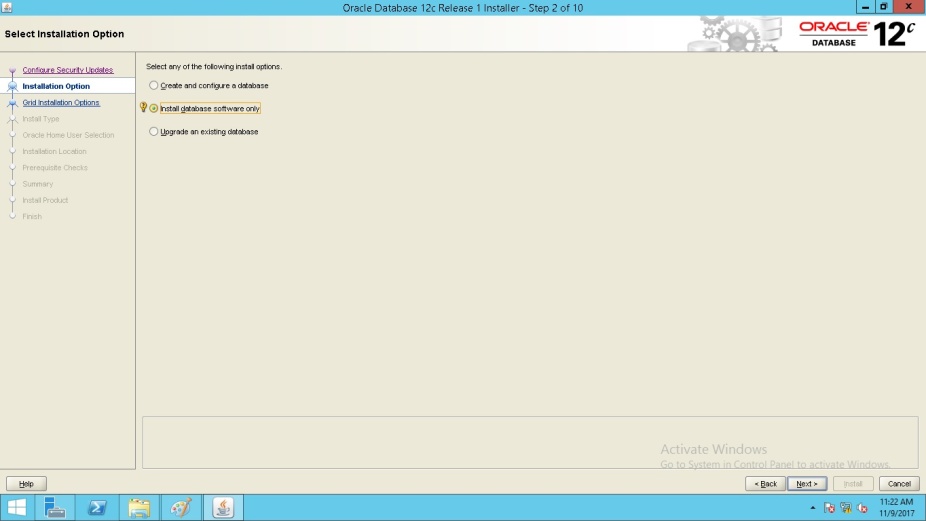


## Oracle software installation

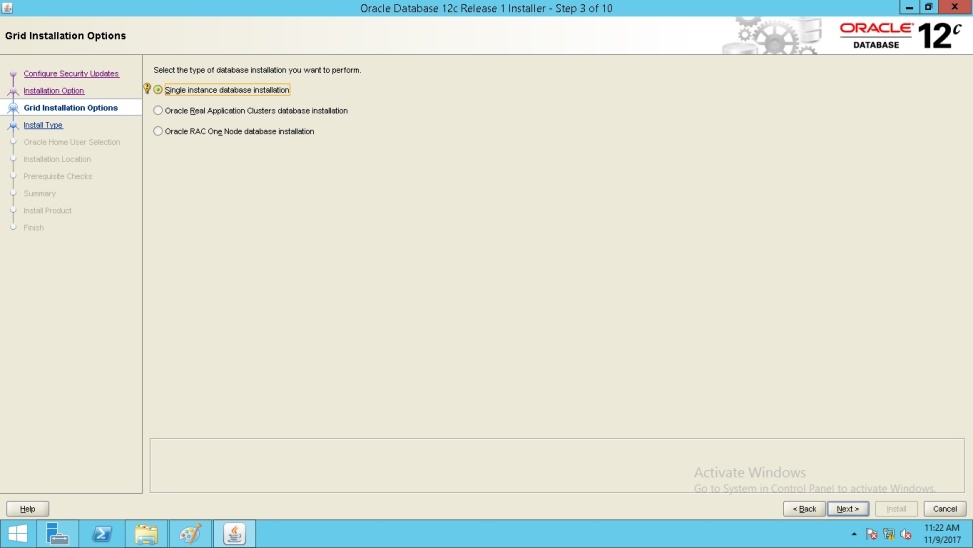
Execute E:\ODB12\database\setup.exe



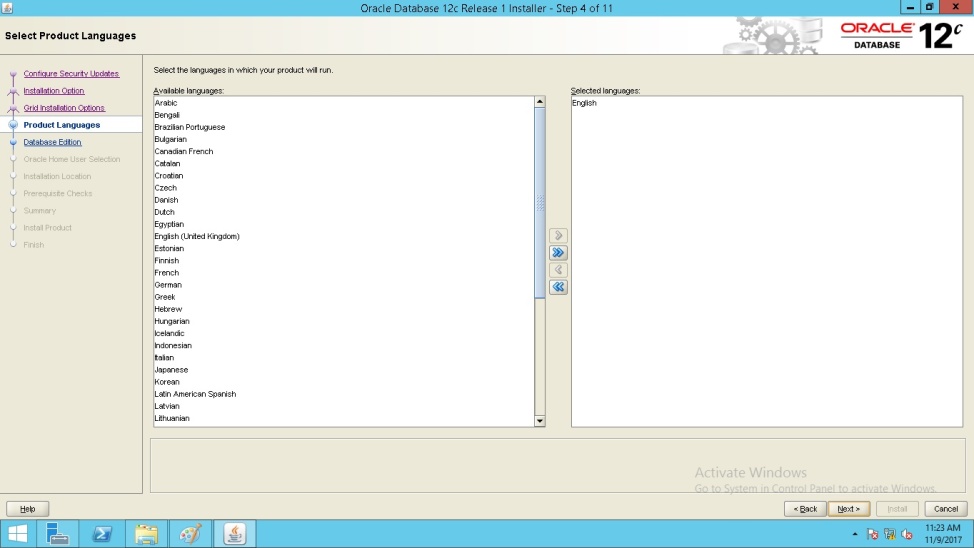
Click Yes



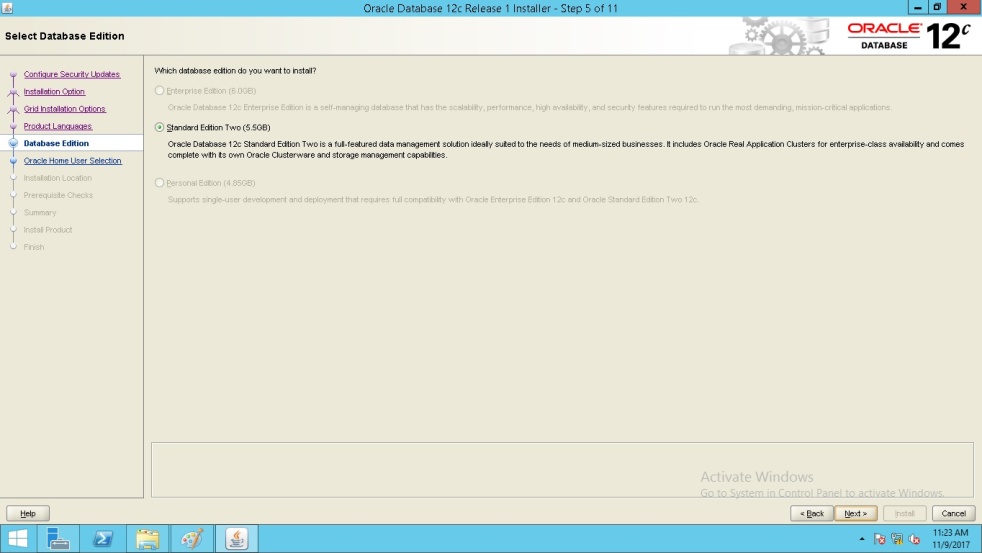
Choose Install Database software only --> Click Next >



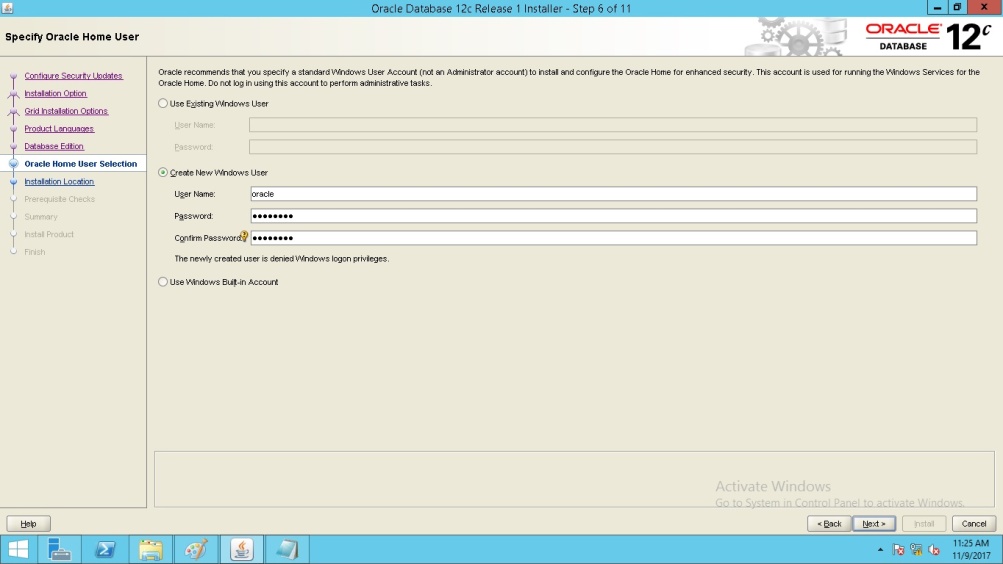
Choose Single instance database installation --> Click Next >



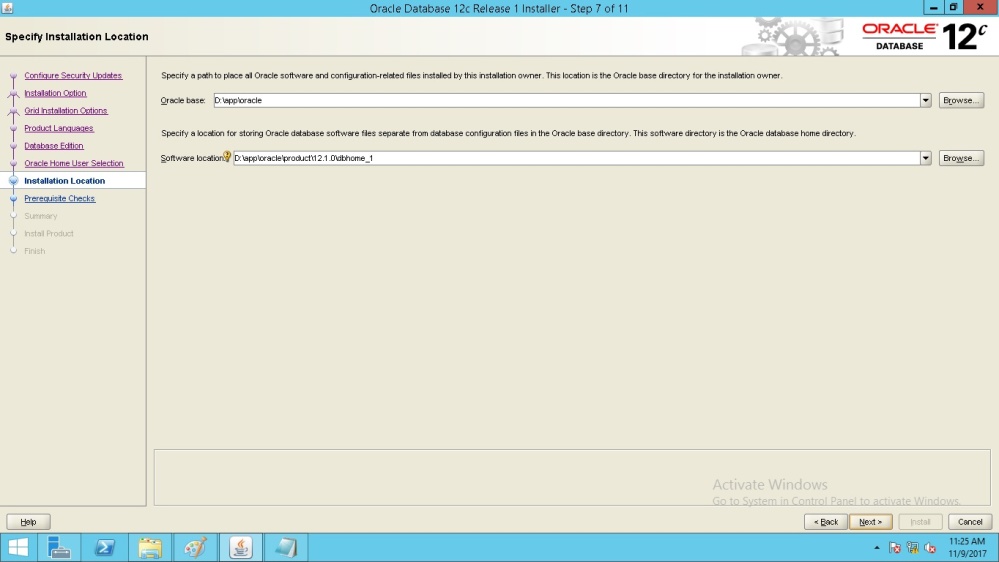
Click Next >



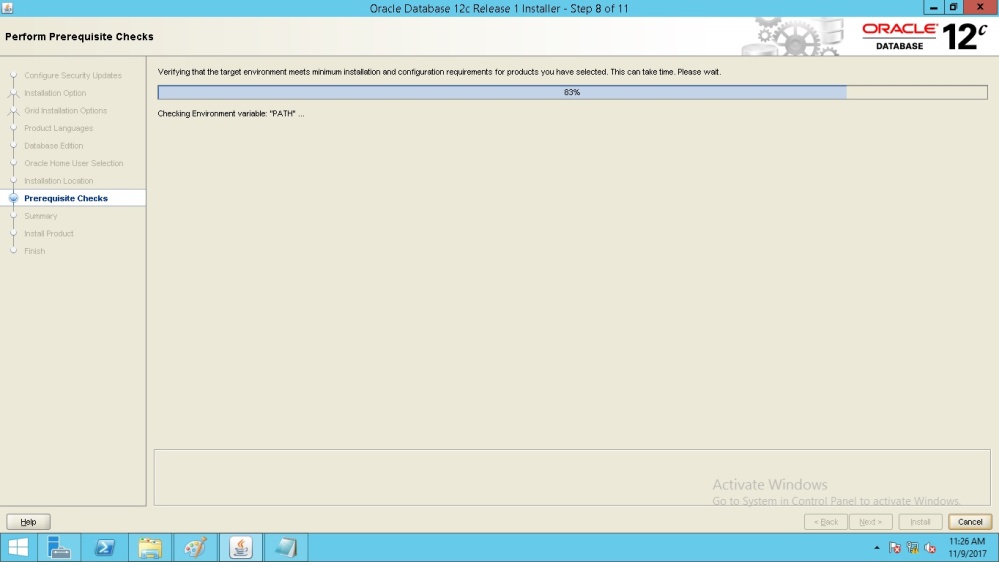
Choose Standard Edition Two --> Click Next >



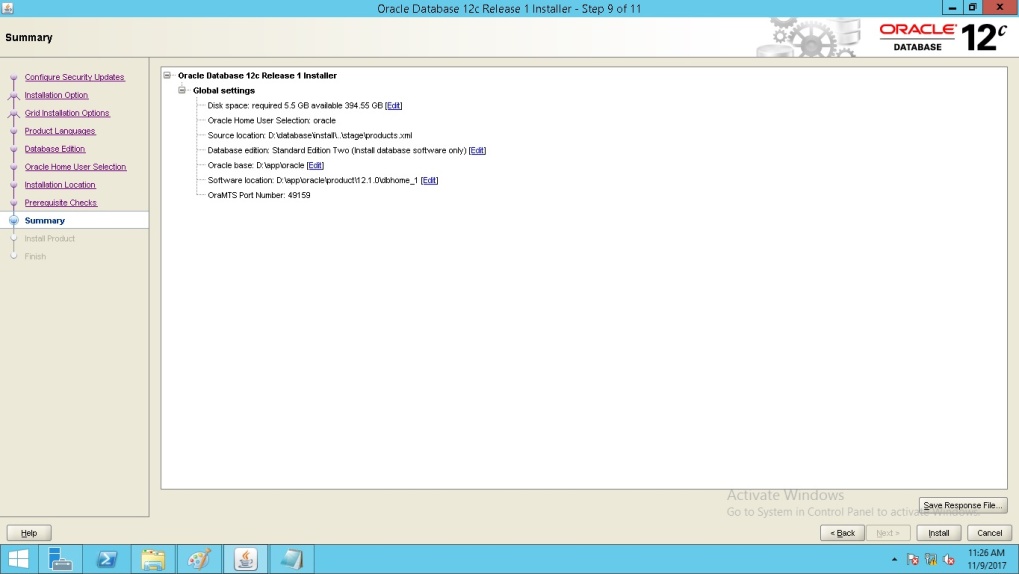
oracle/P@ssw0rd --> Click Next >



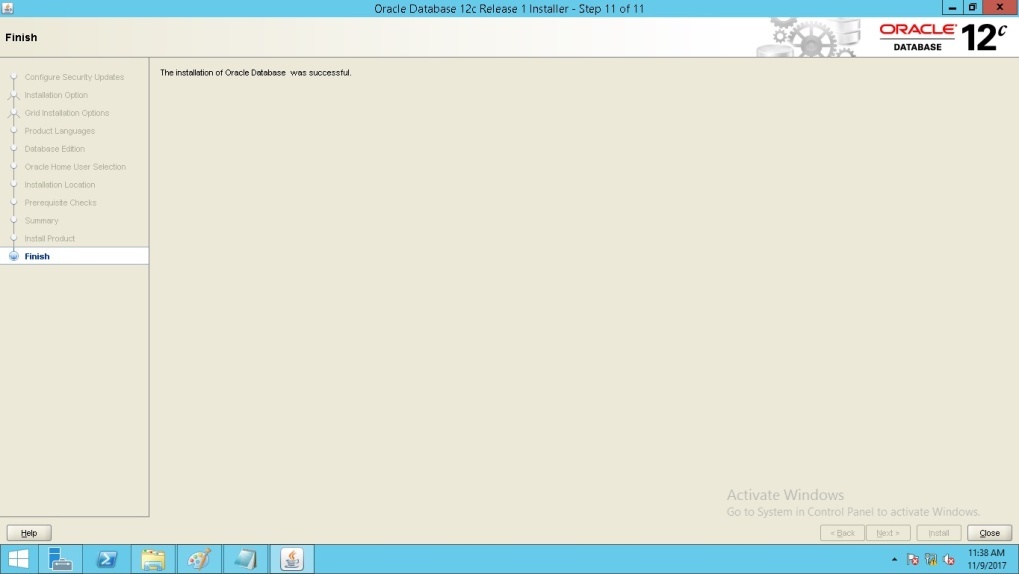
Path ORACLE\_BASE : E:\app\oracle --> Click Next >



Monitoring progress



Check Summary software installation - Global settings

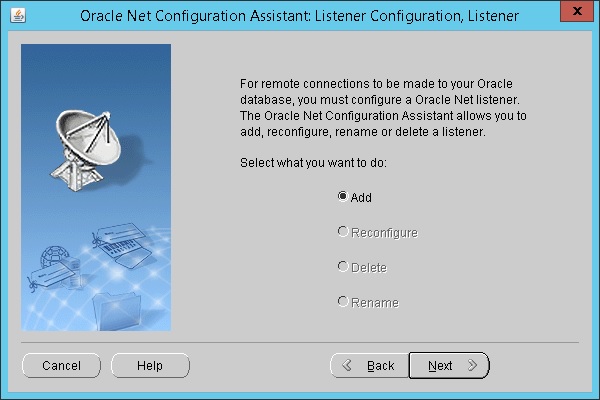


Installation successfully --> Click Close

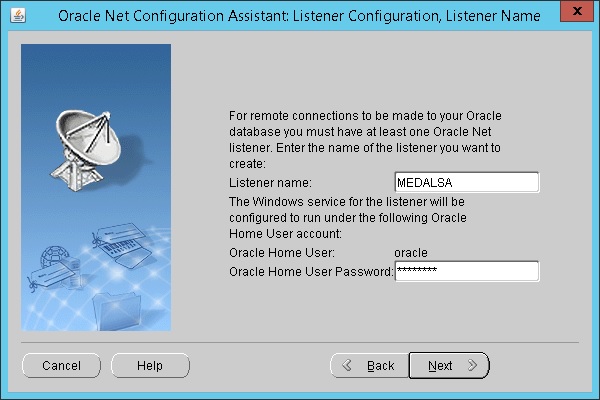
## Listener Installation

## D:\PREVENTIVE MAINTAIN\Bank BRI\Assesment PROD\INSTALASI SOFTWARE ORACLE\Listener\01.jpg

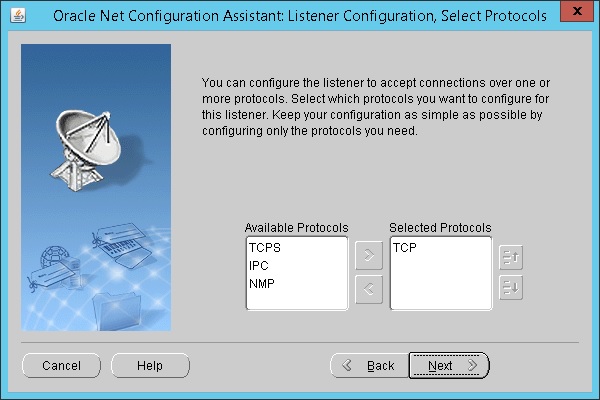
Click Next >



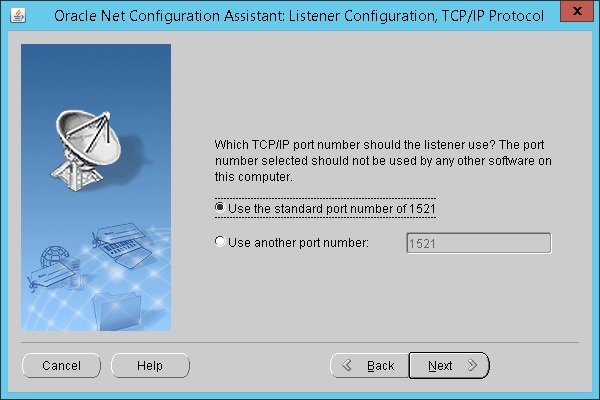
Click Next >



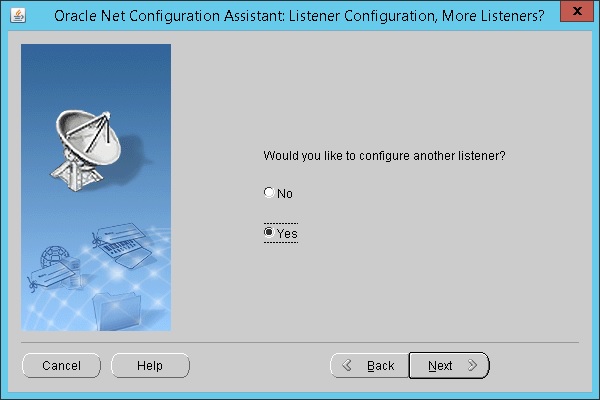
oracle/P@ssw0rd --> Click Next >



Click Next >



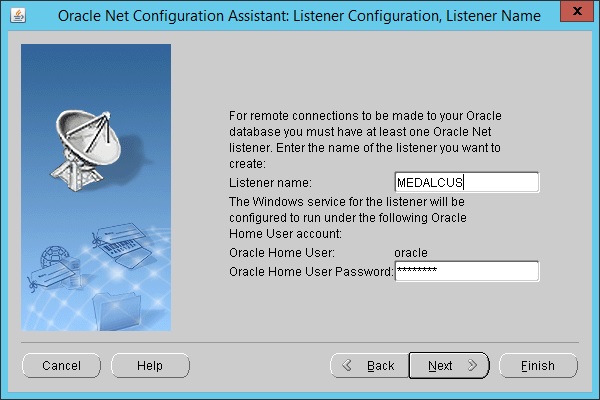
Standard port : 1521 --> Click Next >



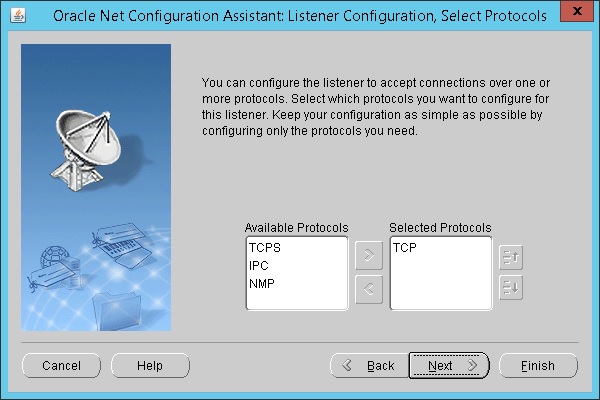
Click Next >



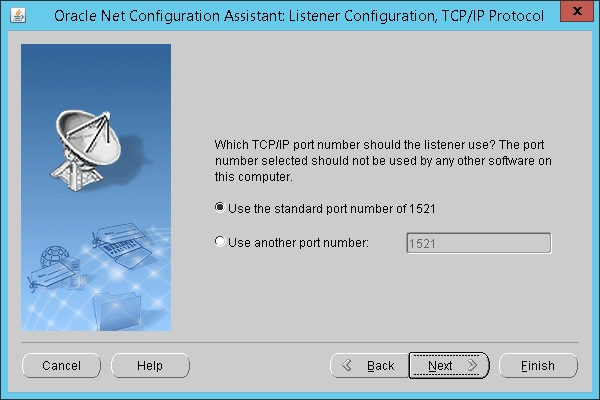
Click Add > Click Next >



oracle/P@ssw0rd -- Click Next >



Click Next >



Standard port : 1521 --> Click Next >

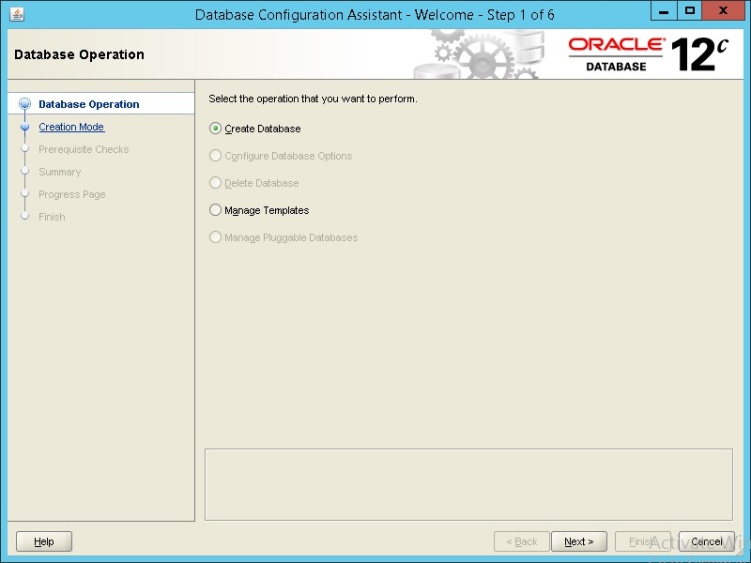


Click Finish

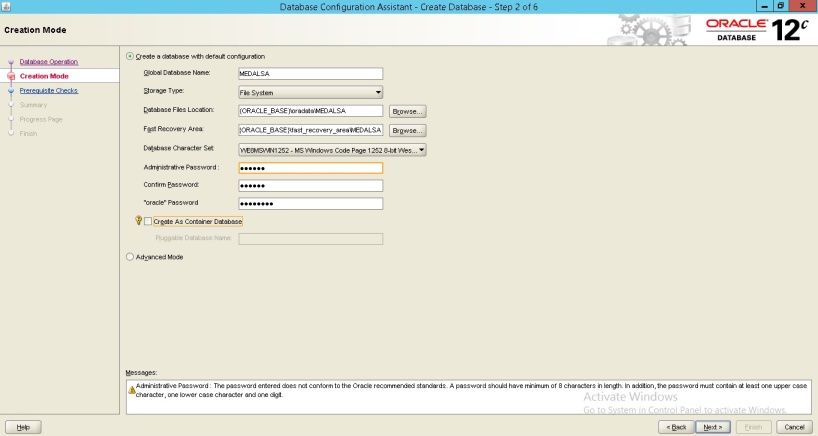
## Create Database

### Database Medalsa

Click Command Prompt Run as administrator --> dbca



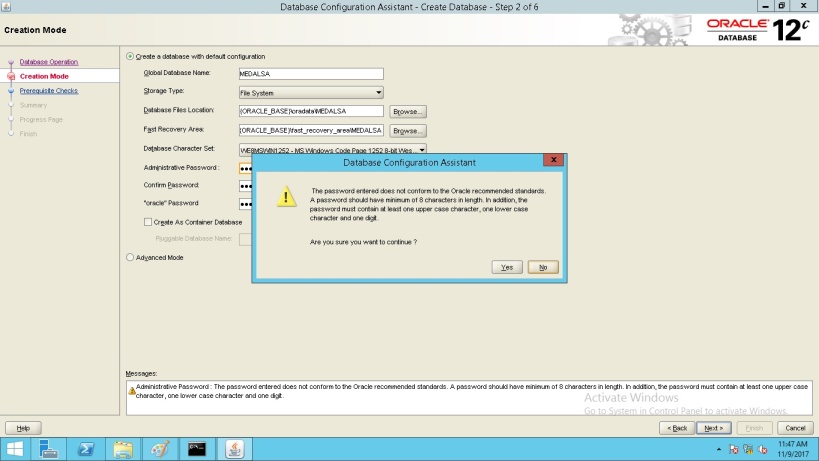
Click Next >



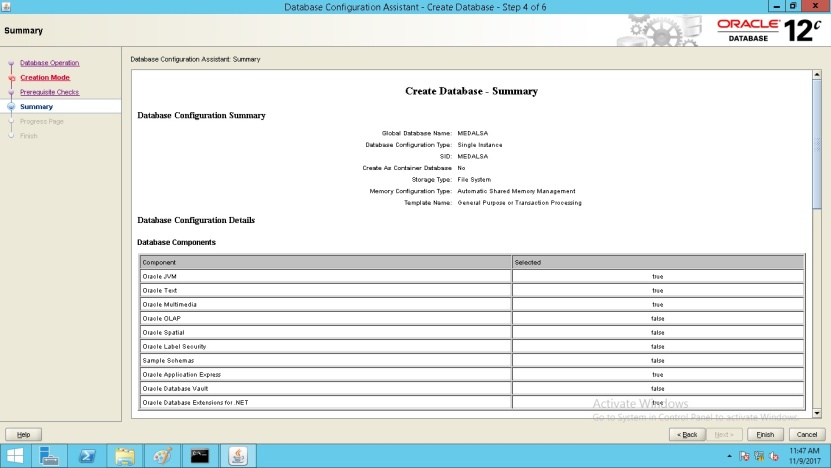
Administrative Password : oracle

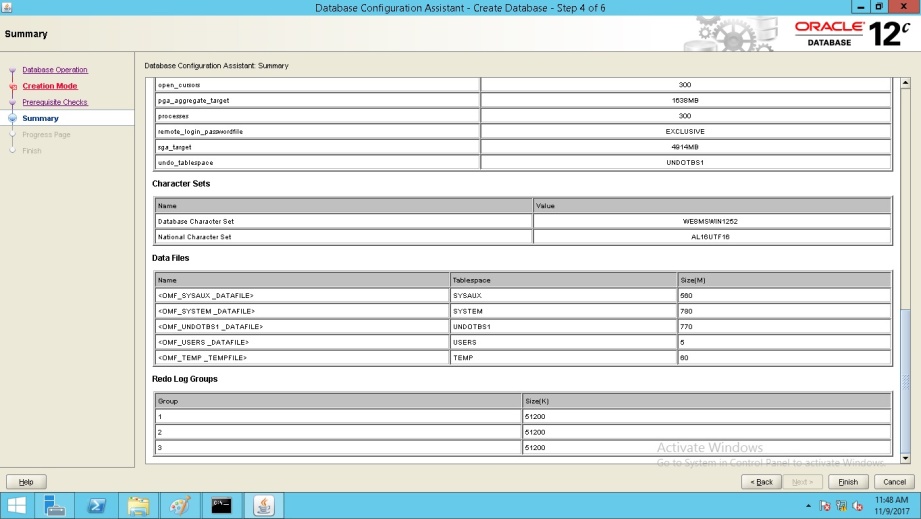
\*oracle\* Password : P@ssw0rd

Click Next >

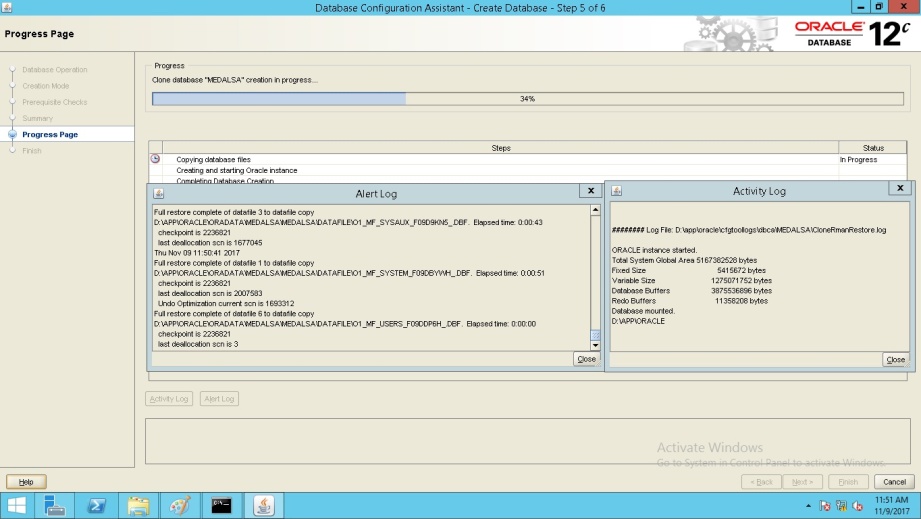


Click Yes

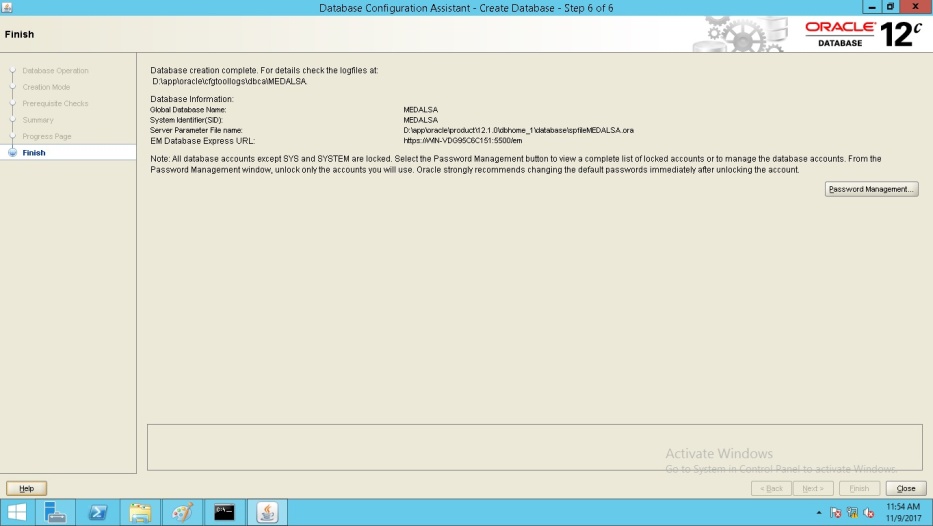




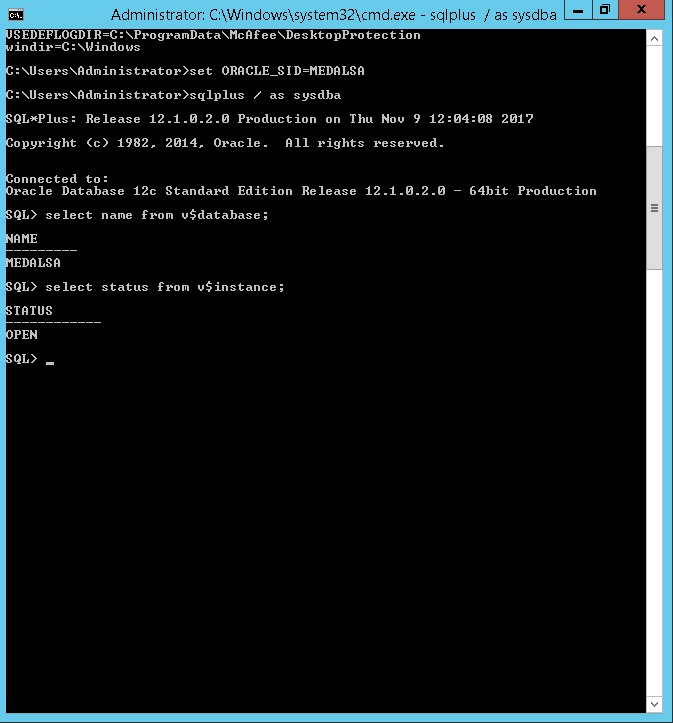
Check Database Configuration Summary --> Click Finish



Monitoring progress

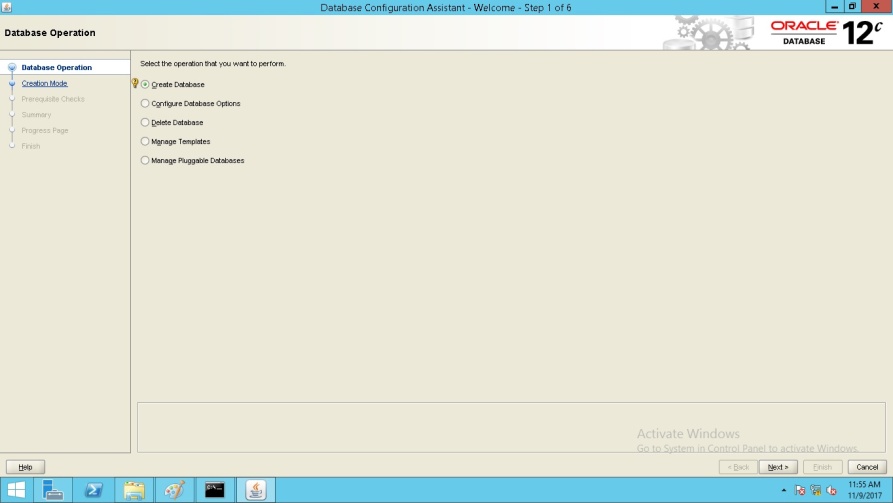


Database MEDALSA creation complete --> Click Close

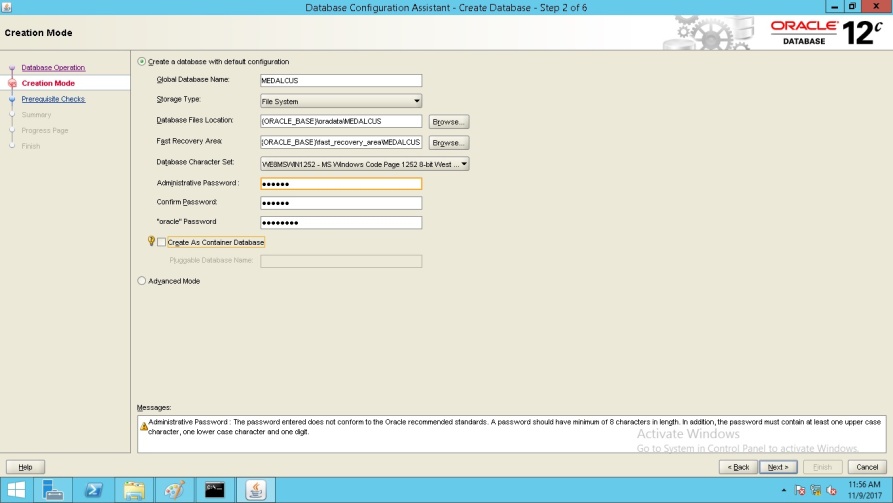


Status database MEDALSA is OPEN.

### Database Medalcus



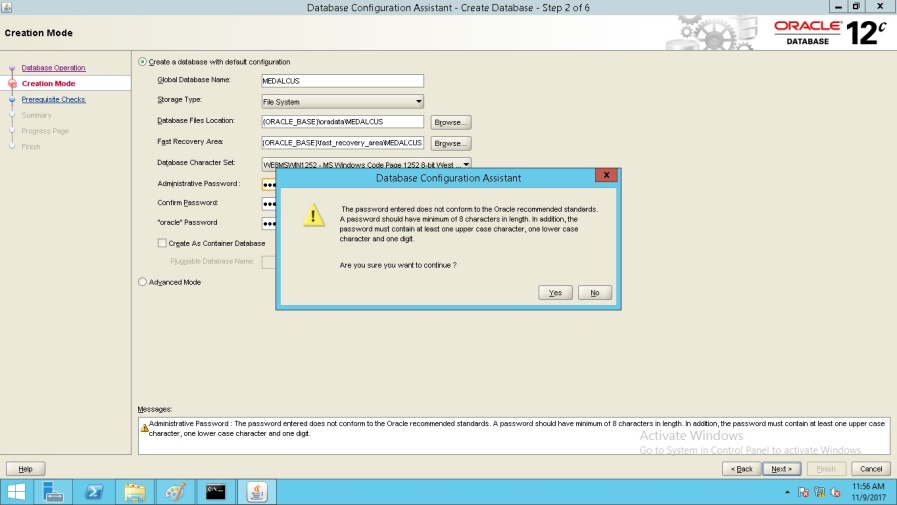
Choose Create Database -> Click Next >



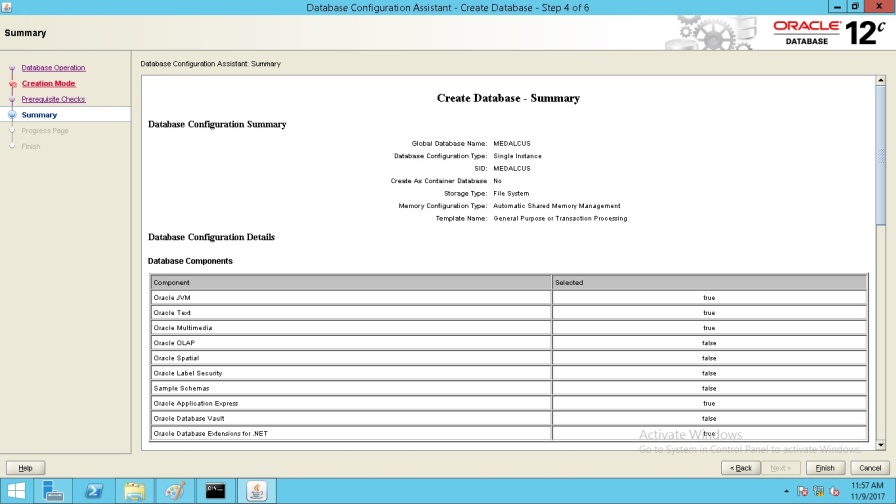
Administrative Password : oracle

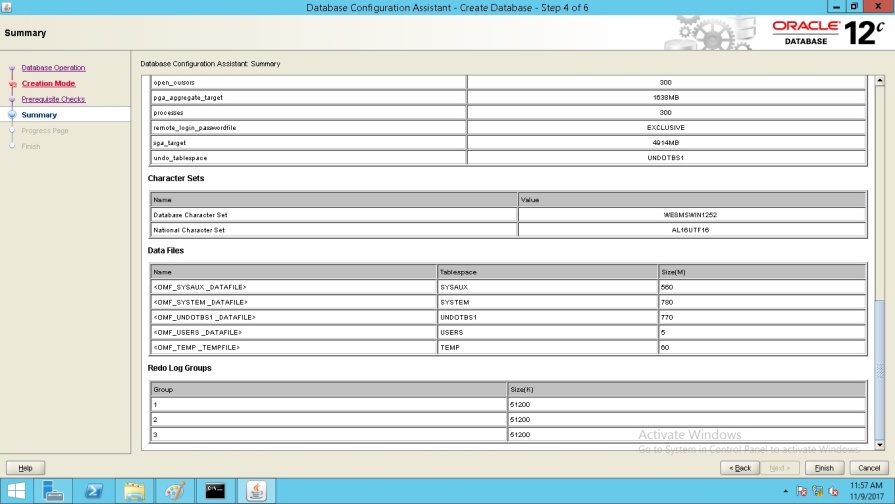
\*oracle\* Password : P@ssw0rd

Click Next >

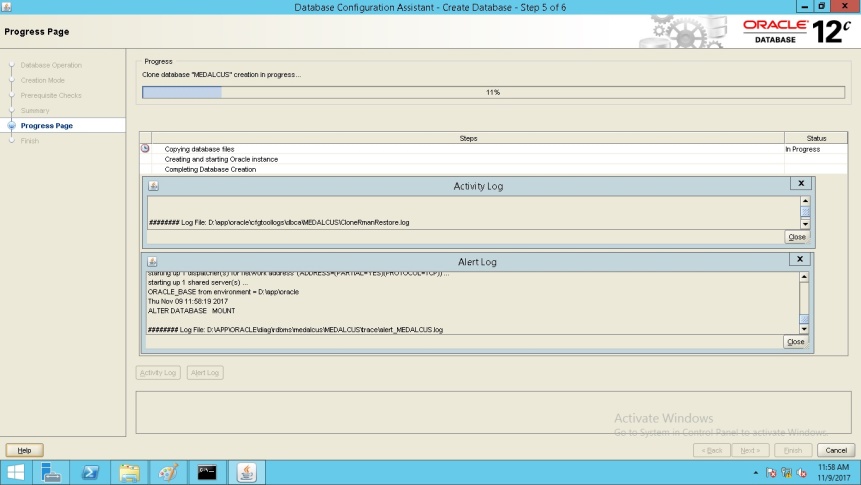


Click Yes

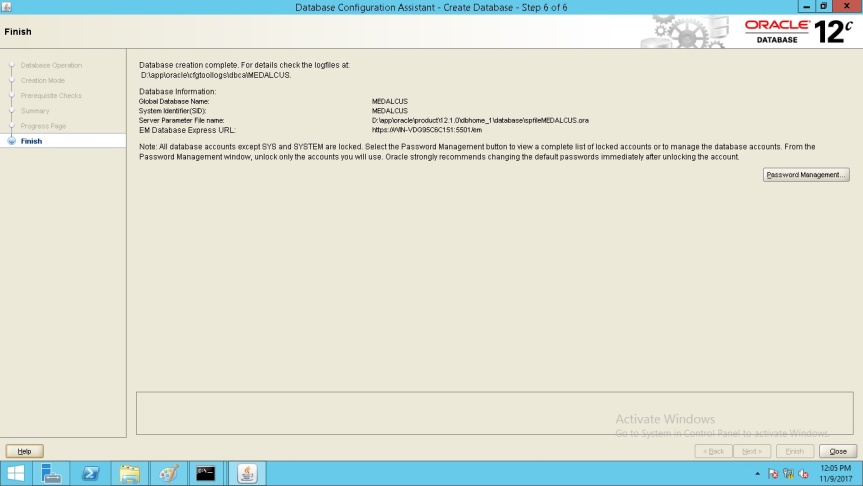




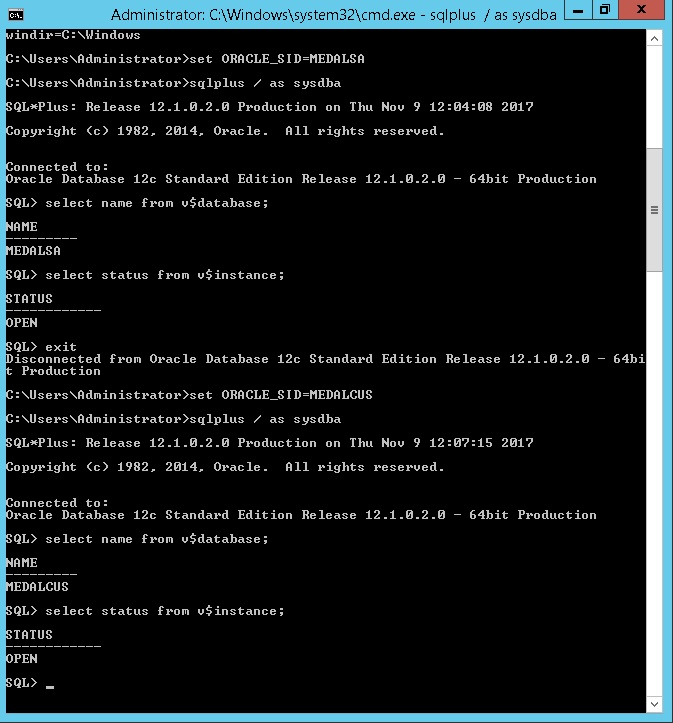
Cek Summary, Click Finish



Monitoring Progress



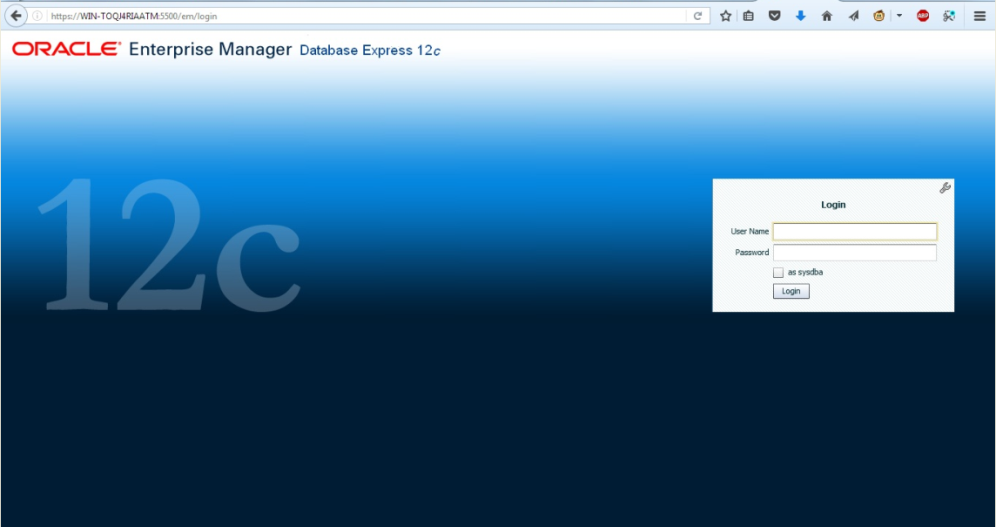
Database MEDALCUS creation complete --> Click Close



Status Database MEDALCUS is OPEN

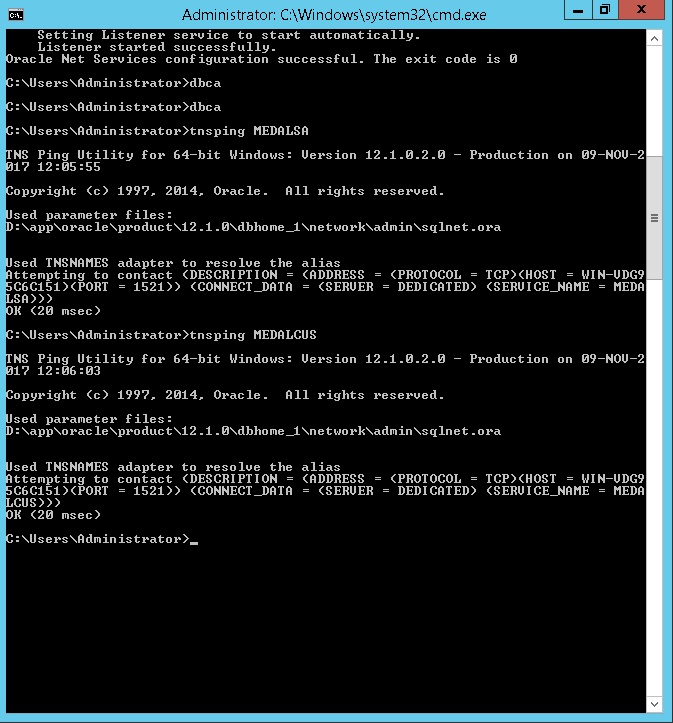
## Oracle Enterprise Manager Database Express Configuration

*Link on browser --> url: https://WIN-VDG95C6C151:5500/em/login*



Login : system/oracle

## Client Connection Test



Tnsping test to database server : successfull

## 6 Troubleshooting Error

None