

Instalasi Oracle Database 10g Software

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Tujuan

Setelah menyelesaikan bab ini, anda seharusnya dapat melakukan hal-hal berikut:

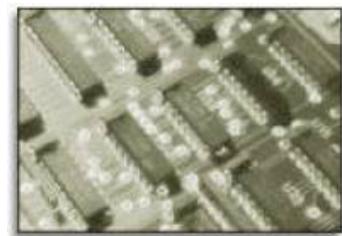
- Mengidentifikasi system requirement
- Menggunakan Optimal Flexible Architecture (OFA)
- Menginstall software Oracle menggunakan Oracle Universal Installer

System Requirements

Hardware:

- Physical RAM 512 MB
- Swap space 1 GB (dua kali dari ukuran RAM)
- Free space di temporary directory (/tmp or \temp) sebesar 400 MB
- Free space untuk software Oracle sebesar 1.5 GB
- Free space untuk preconfigured database sebesar 1.5 GB

→ Lihat dokumentasi untuk OS

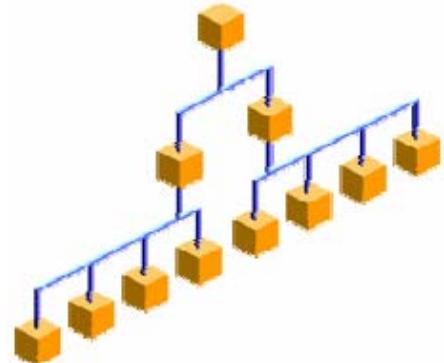


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Optimal Flexible Architecture (OFA)

OFA didesain untuk:

- Mengorganisasi software dengan jumlah besar
- Memfasilitasi tugas-tugas rutin administrator
- Memfasilitasi perpindahan antara beberapa database Oracle
- Mengelola dan mengatur pertumbuhan database
- Membantu mengurangi fragmentasi pada free space



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Menggunakan Optimal Flexible Architeture

Penamaan mount points:

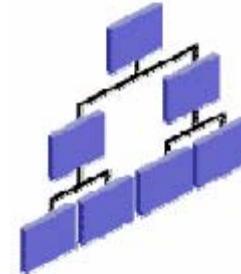
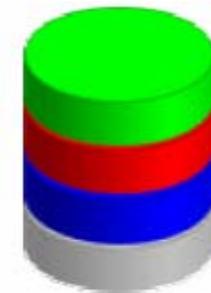
- /u01
- /disk01

Penamaan directories:

- /u01/app/oracle
- /u01/app/applmgr

Penamaan files:

- Control files: controln.ctl
- Redo log files: redon.log
- Data files: tn.dbf



Setting Environment Variables

- ORACLE_BASE: Dasar dari struktur directory Oracle untuk OFA
- ORACLE_HOME: Directory yang berisi software Oracle
- ORACLE_SID: Nama instance awal (defaultnya adalah ORCL)
- NLS_LANG: Setting untuk bahasa, teritorial, dan karakter set



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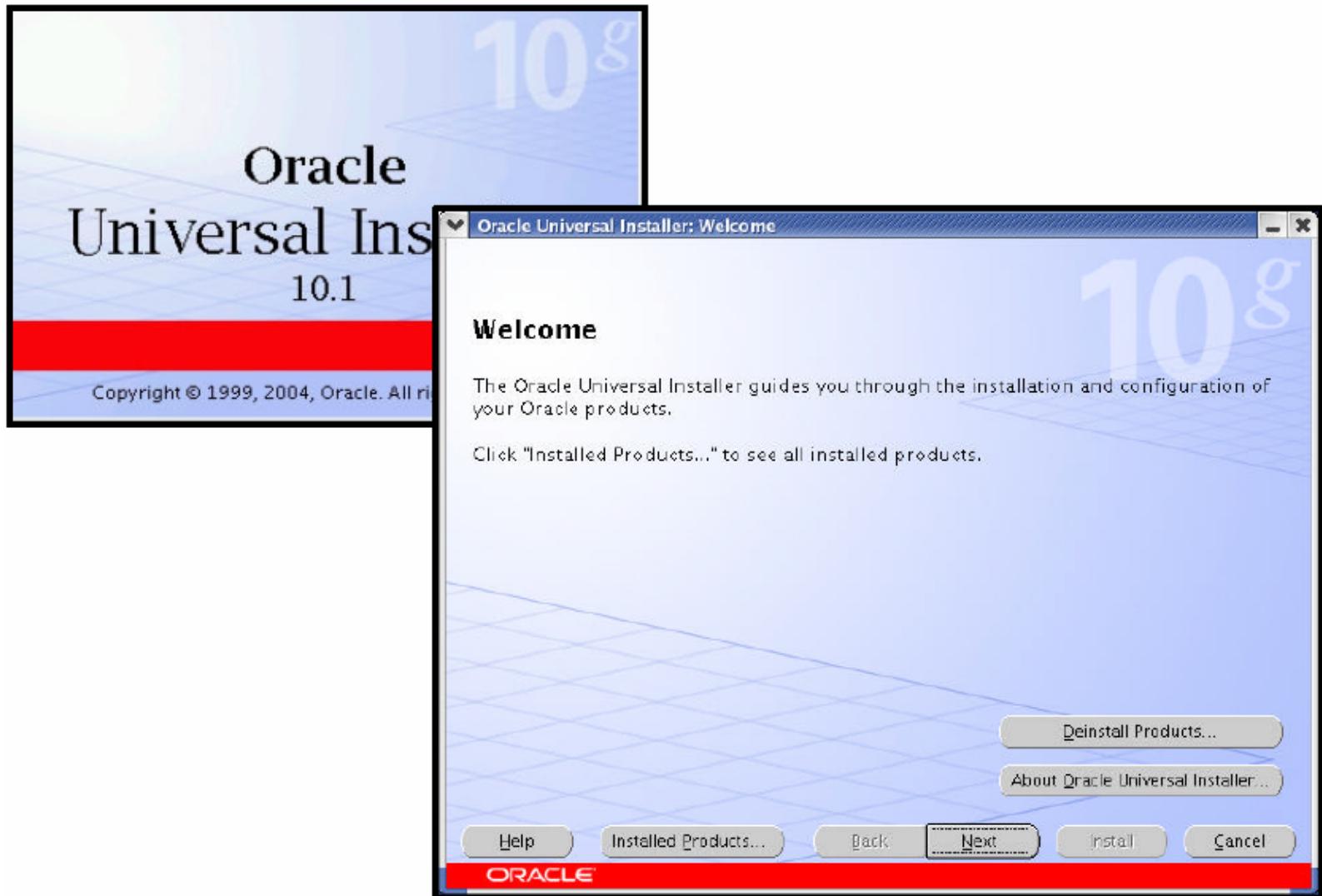
Preinstallation Checks

A screenshot of a terminal window titled "oracle@EDRSR9P1:/stage/Disk1". The window has a menu bar with File, Edit, View, Terminal, Go, and Help. The terminal session shows the following output:

```
[oracle@EDRSR9P1 Disk1]$ pwd  
/stage/Disk1  
[oracle@EDRSR9P1 Disk1]$ sh runInstaller  
Starting Oracle Universal Installer...  
  
Checking installer requirements...  
  
Checking operating system version: must be redhat-2.1, UnitedLinux-1.0 or  
redhat-3  
[ Passed  
  
All installer requirements met.  
  
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2004-02  
-16_10-40-38AM. Please wait ...[oracle@EDRSR9P1 Disk1]$ Oracle Universal I  
nstaller, Version 10.1.0.2.0 Production  
Copyright (C) 1999, 2004, Oracle. All rights reserved.
```

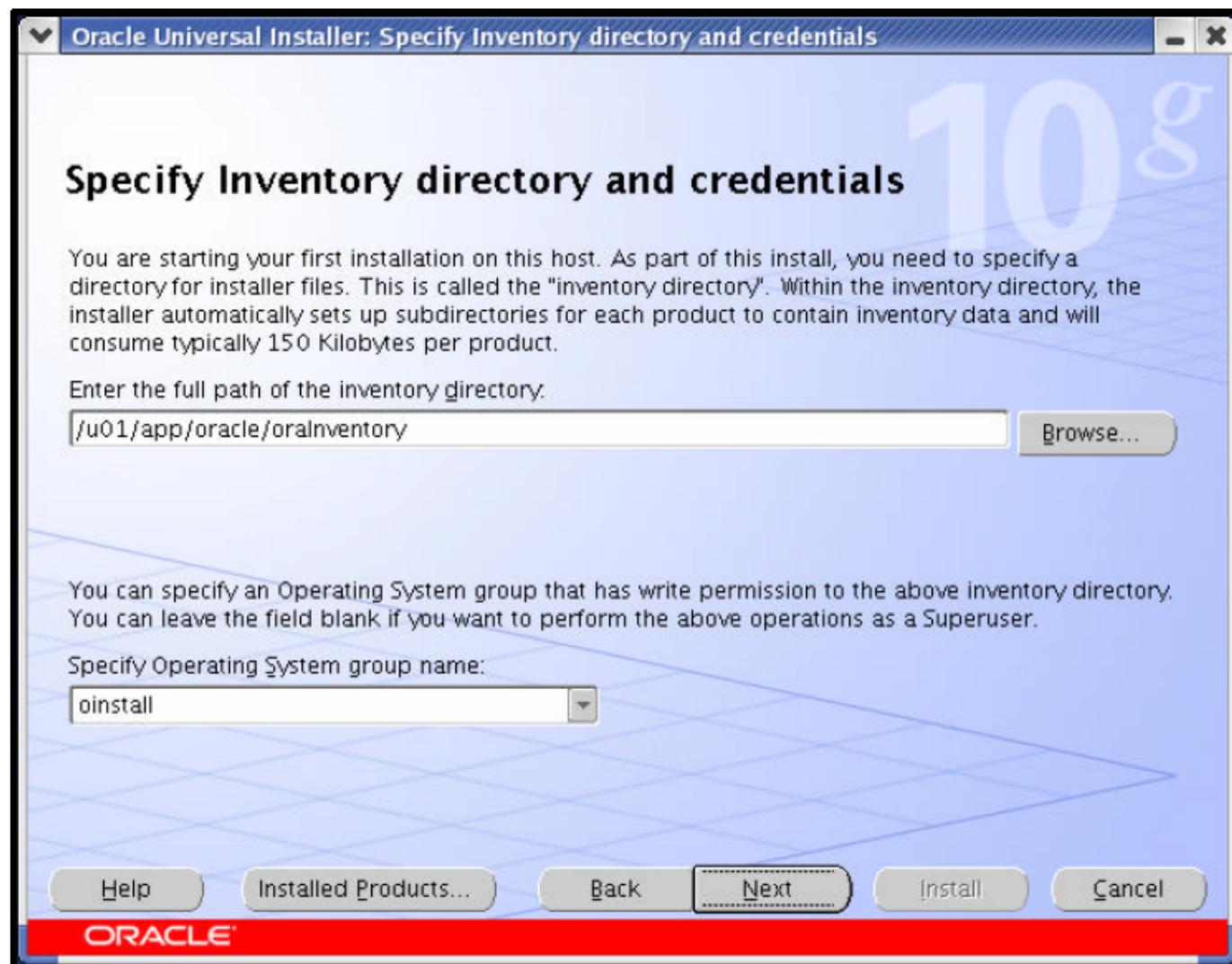
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Oracle Universal Installer



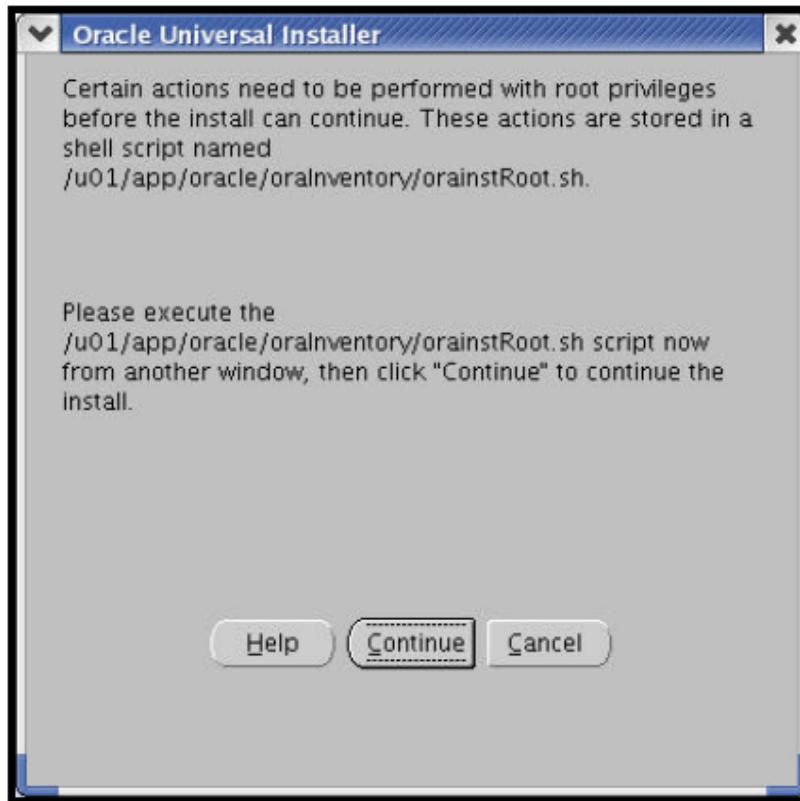
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Inventory dan nama Group di UNIX



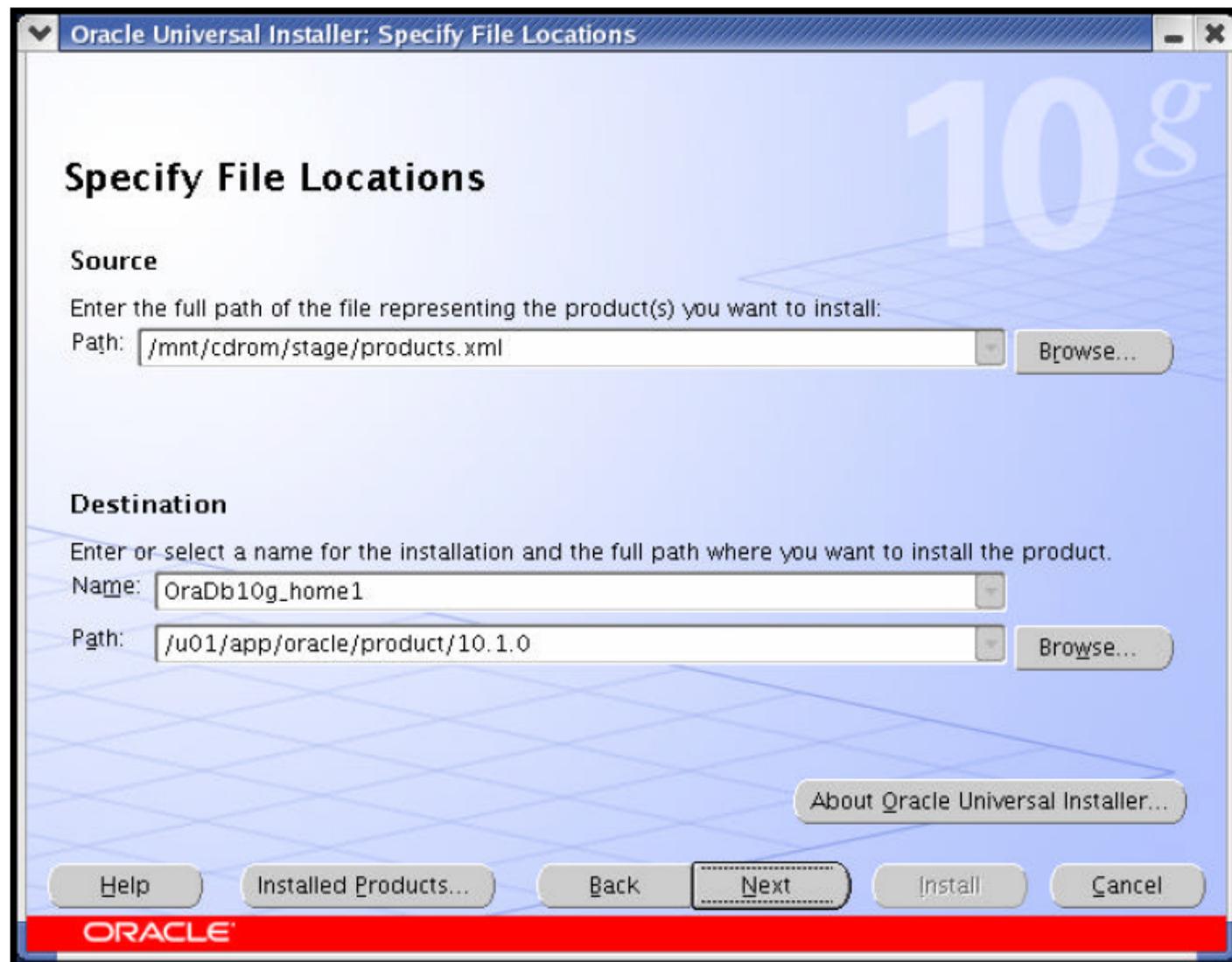
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orainstRoot.sh

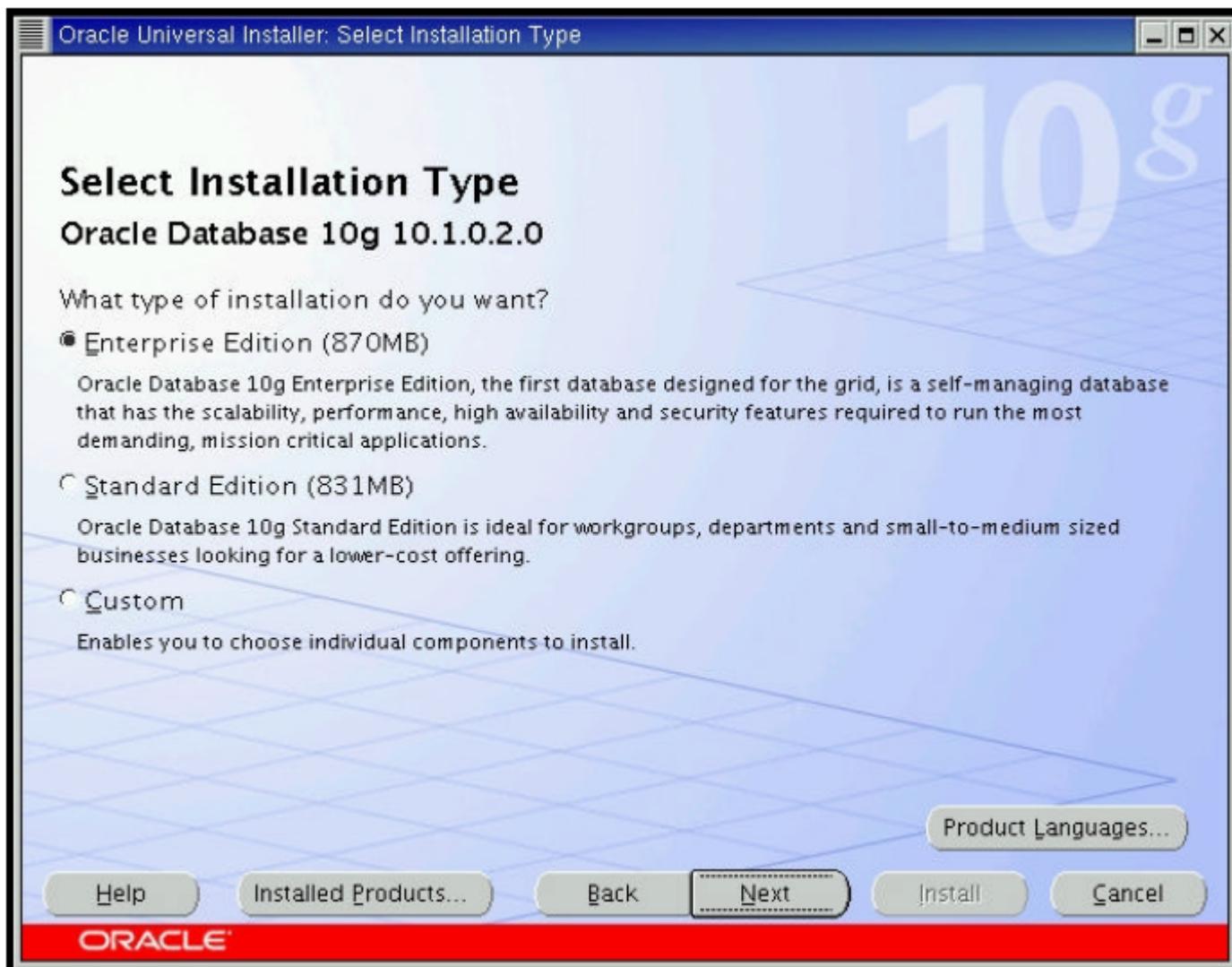


```
# sh /u01/app/oracle/oralInventory/orainstRoot.sh
Creating the Oracle inventory pointer file (/etc/oraInst.loc)
Changing groupname of /u01/app/oracle/oralInventory to
oinstall.
```

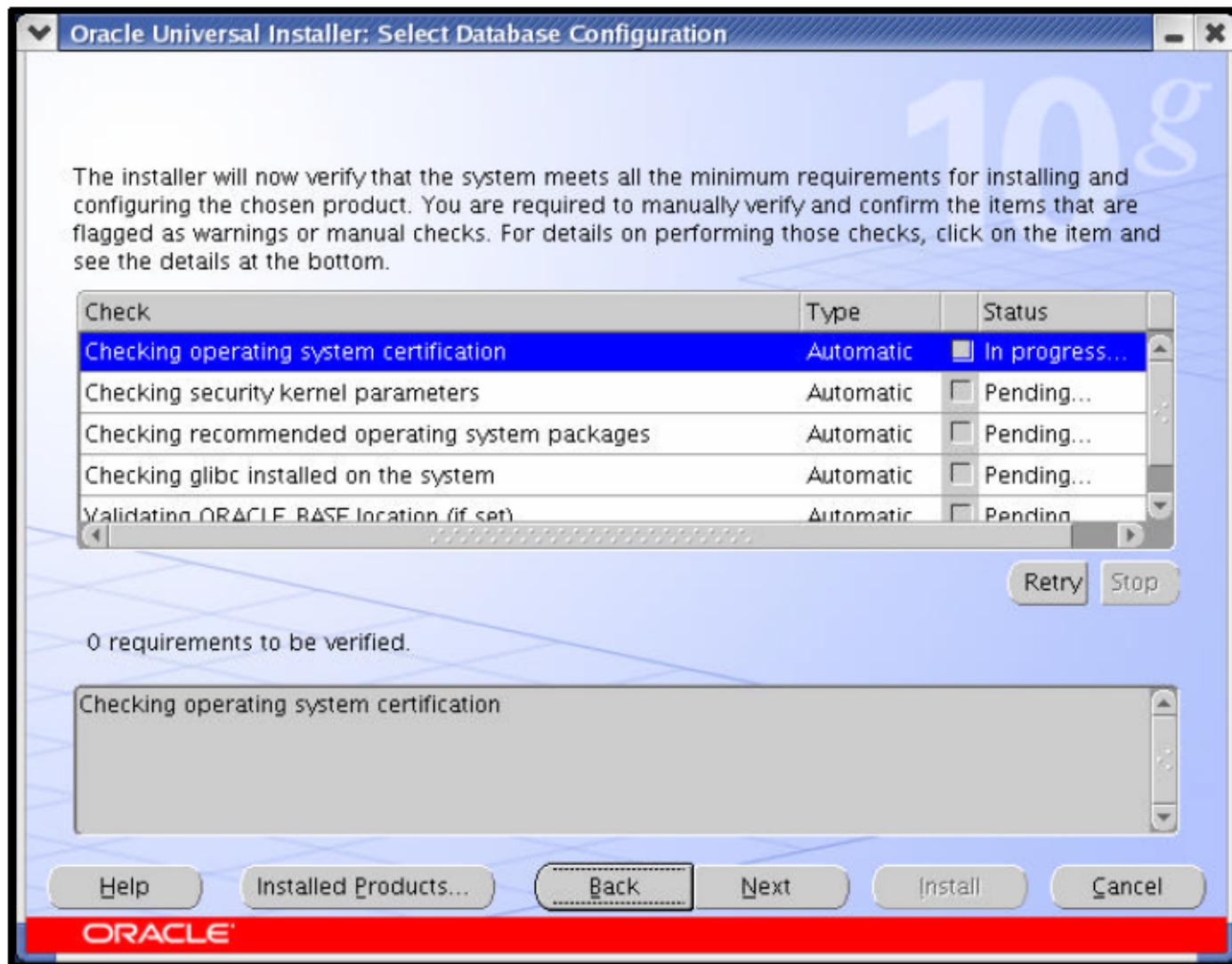
Lokasi File



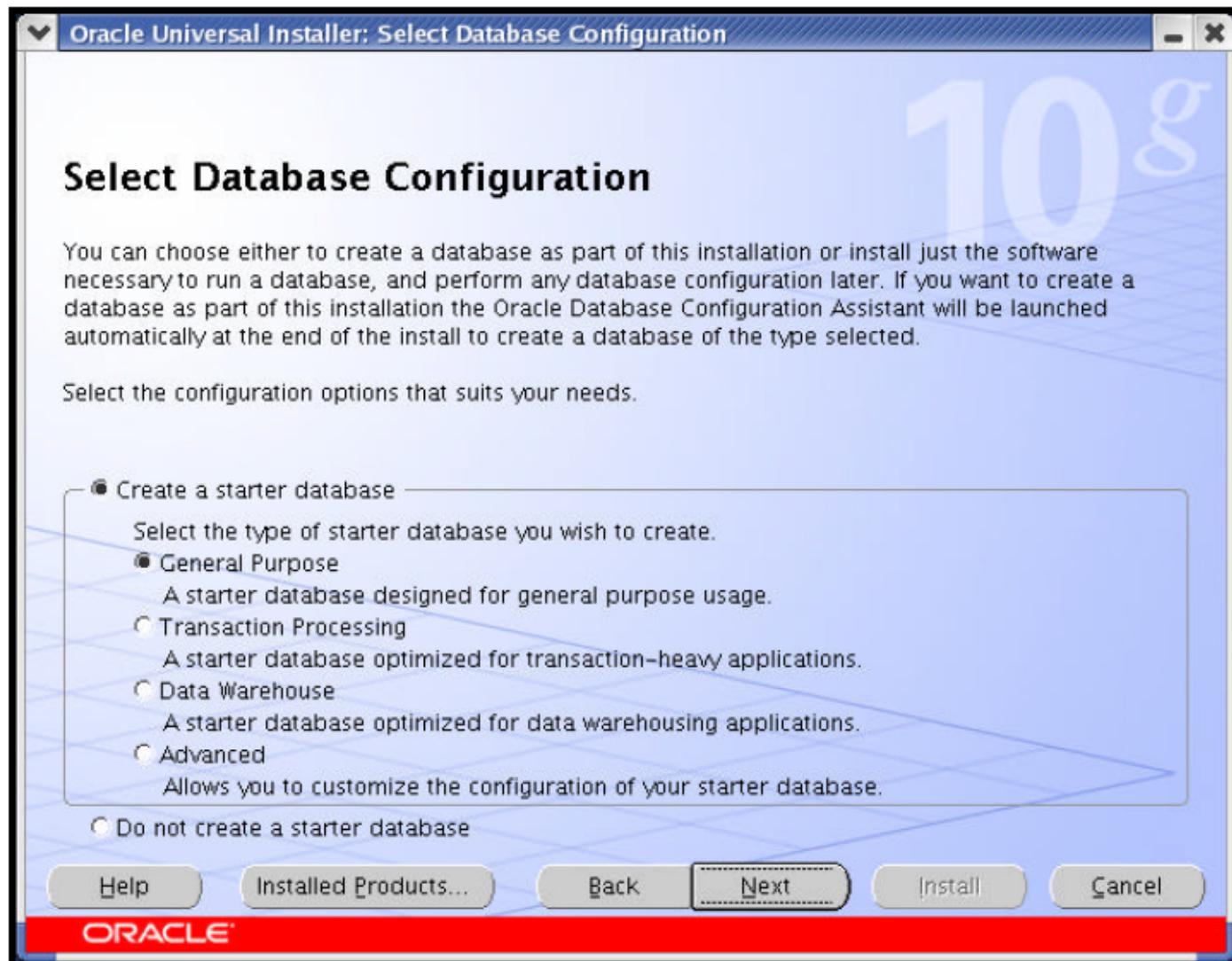
Tipe Instalasi



Prerequisite Checks



Starter Database



Konfigurasi dan Pengelolaan

Specify Database Configuration Options

Database Naming
A Global Database Name, typically of the form "name.domain", uniquely identifies an Oracle database. In addition, each database is referenced by at least one Oracle System Identifier (SID). Specify the Global Database Name and SID for this database.

Global Database Name: SID:

Database Character Set
The database character set is determined based on the number of language groups that will be stored in your database. See "Help" for the definition of language groups. Select the character set that should be used in your database.

Select Database Character set:

Database Examples
You can choose to create a starter database with or without sample schemas. Note that you can plug in the sample schemas to your existing starter database after creation. See "Help" for more details.

Create database with sample schemas

Use Grid Control for Database Management
Management Service:

Use Database Control for Database Management
 Enable Email Notifications
Outgoing Mail (SMTP) Server:
Email Address:

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File Storage and Backup Recovery

Specify Database File Storage Option

Select the storage mechanism you would like to use for database creation.

File System

Use the file system for database storage. For best database organization and performance, Oracle recommends installing database files and Oracle software on separate disks.

Specify Database file location:

/u01/app/oracle/oradata/

[Browse...](#)

Automatic Storage Management (ASM)

Automatic Storage Management simplifies database storage administration and optimizes database layout for I/O performance.

Raw Devices

Raw partitions can also provide the required shared storage for Real Application Clusters (RAC) databases. You will need to create one or more raw partitions, then provide a file that maps them to Oracle.

Specify Raw Devices mapping:

Do not enable Automated backups

Enable Automated Backups

Recovery Area Storage

File System

Use the file system for files related to backup and recovery of your database.

Recovery Area Location: /u01/app/oracle/flash_recovery_area/

[Browse...](#)

Automatic Storage Management

Use Automatic Storage Management for files related to backup and recovery.

Backup Job Credentials

Specify the operating system credentials used by the backup job.

Username:

Password:

Password dan Summary

The screenshot shows the Oracle Database 10g 10.1.0.2.0 setup interface. At the top left, there is a table for entering passwords for four accounts: SYS, SYSTEM, SYSMAN, and DBSNMP. The 'Use different passwords for these accounts' radio button is selected. Below this, the 'Use the same password' radio button is selected, and the password '*****' is entered.

Summary
Oracle Database 10g 10.1.0.2.0

Global Settings

- Source: /mnt/cdrom/stage/products.xml
- Oracle Home: /u01/app/oracle/product/10.1.0/db_1 (OraDb10g_home1)
- Installation Type: Enterprise Edition

Product Languages

- English

Space Requirements

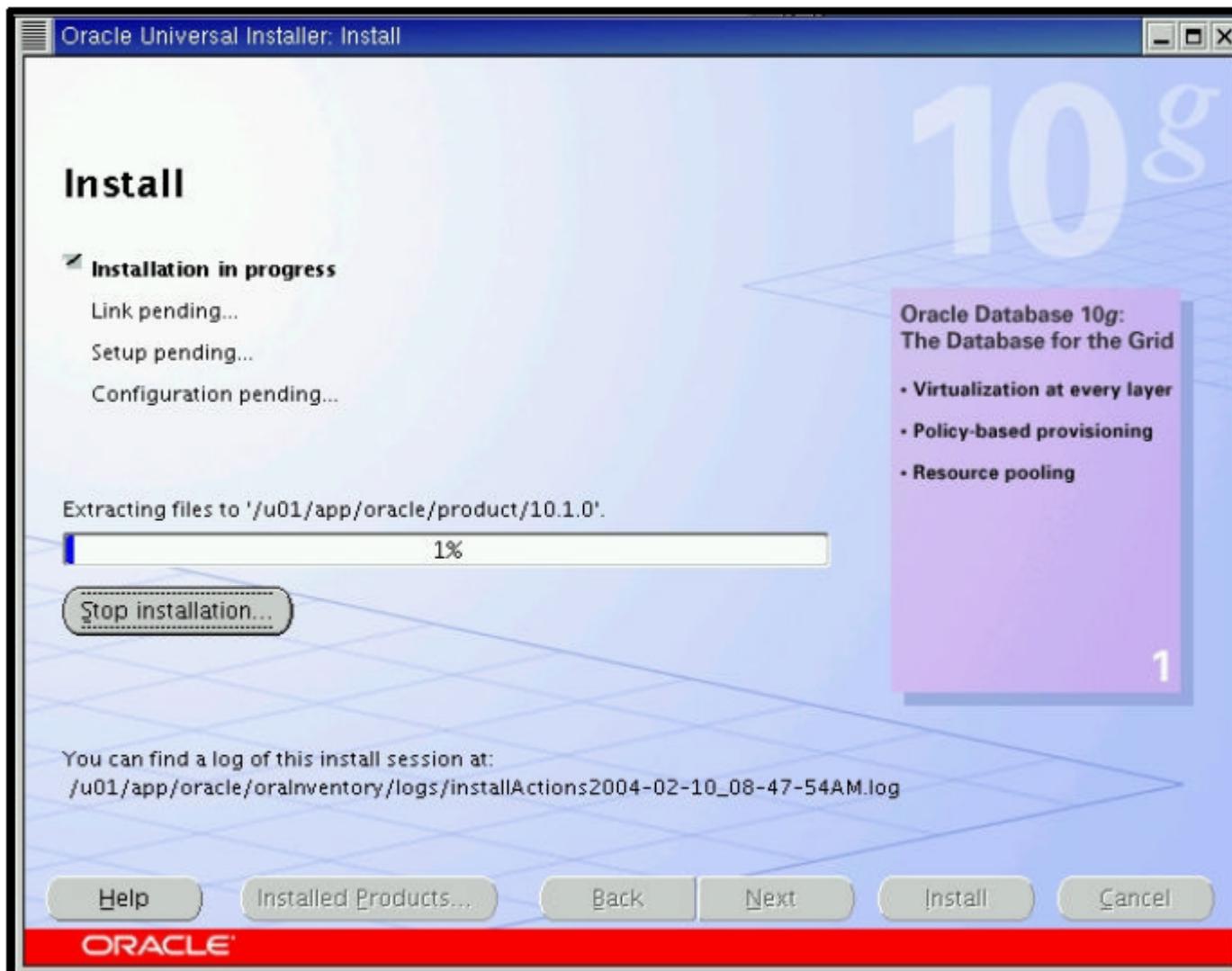
- / Required 1.75GB (includes 128MB temporary) : Available 26.32GB

New Installations (48 products)

- Advanced Queueing (AQ) API 10.1.0.2.0
- Advanced Replication 10.1.0.2.0
- Agent Required Support Files 10.1.0.2.0
- Assistant Common Files 10.1.0.2.0
- Authentication and Encryption 10.1.0.2.0

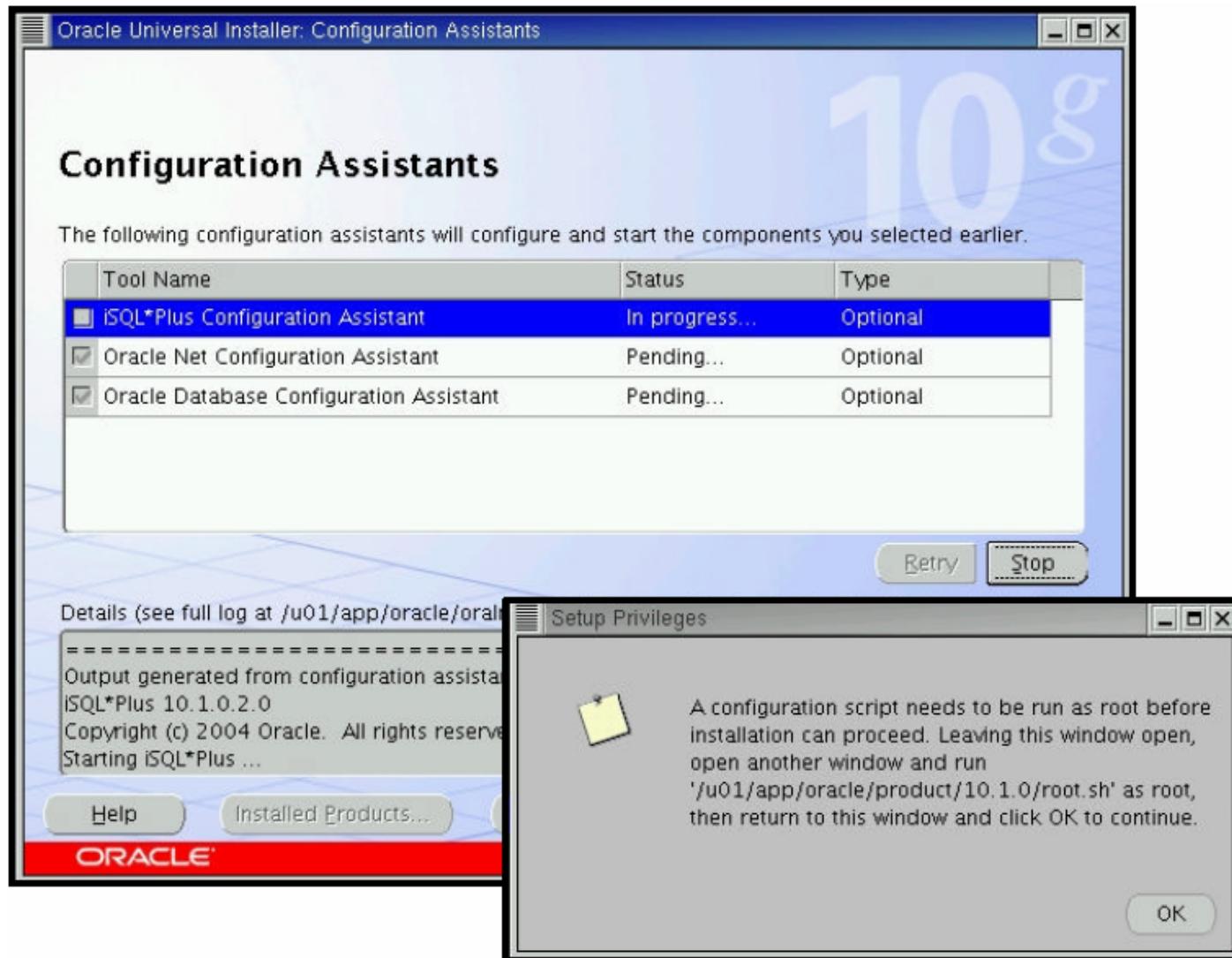
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Proses Instalasi



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Configuration Assistants



Ringkasan

Pada bab ini, anda seharusnya telah mempelajari bagaimana cara untuk:

- Mengidentifikasi kebutuhan sistem untuk Oracle
- Menggunakan Optimal Flexible Architecture
- Menginstall software menggunakan Oracle Universal Installer