

Installer le logiciel Oracle Database 10g



Objectifs

A la fin de ce chapitre, vous pourrez :

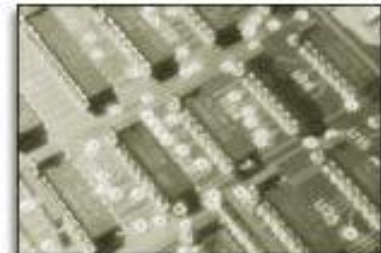
- **identifier la configuration requise pour le système**
- **utiliser l'architecture OFA (Optimal Flexible Architecture)**
- **installer le logiciel avec Oracle Universal Installer**

Configuration système requise

Matériel :

- 512 Mo de mémoire physique (RAM)
- 1 Go d'espace de swap (ou deux fois la quantité de RAM)
- 400 Mo d'espace disque dans le répertoire temporaire (/tmp ou \Temp)
- 1,5 Go d'espace disque pour le logiciel Oracle
- 1,5 Go d'espace disque pour la base de données préconfigurée

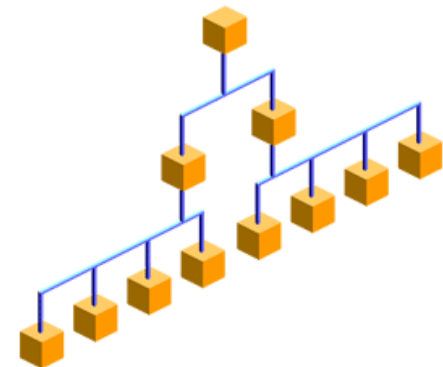
Systeme d'exploitation : voir documentation



Architecture OFA (Optimal Flexible Architecture)

L'architecture OFA est conçue pour :

- Organiser un grand nombre de logiciels
- Faciliter les tâches d'administration répétitives
- Faciliter le basculement entre plusieurs bases de données Oracle
- Gérer et administrer de façon adéquate la croissance de la base de données
- Contribuer à éliminer la fragmentation de l'espace libre



Utiliser l'architecture OFA

Nommer les points de montage :

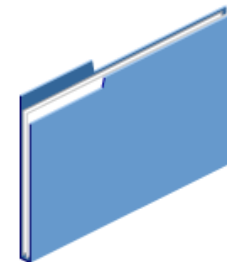
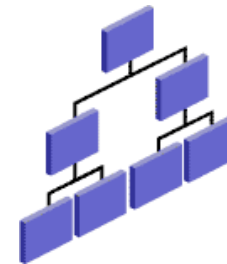
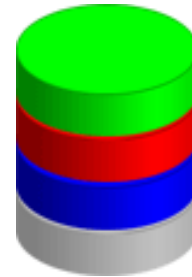
- `/u01`
- `/disk01`

Nommer les répertoires :

- `/u01/app/oracle`
- `/u01/app/app1mgr`

Nommer les fichiers :

- Fichiers de contrôle : `controln.ctl`
- Fichiers de journalisation : `redon.log`
- Fichiers de données : `tn.dbf`

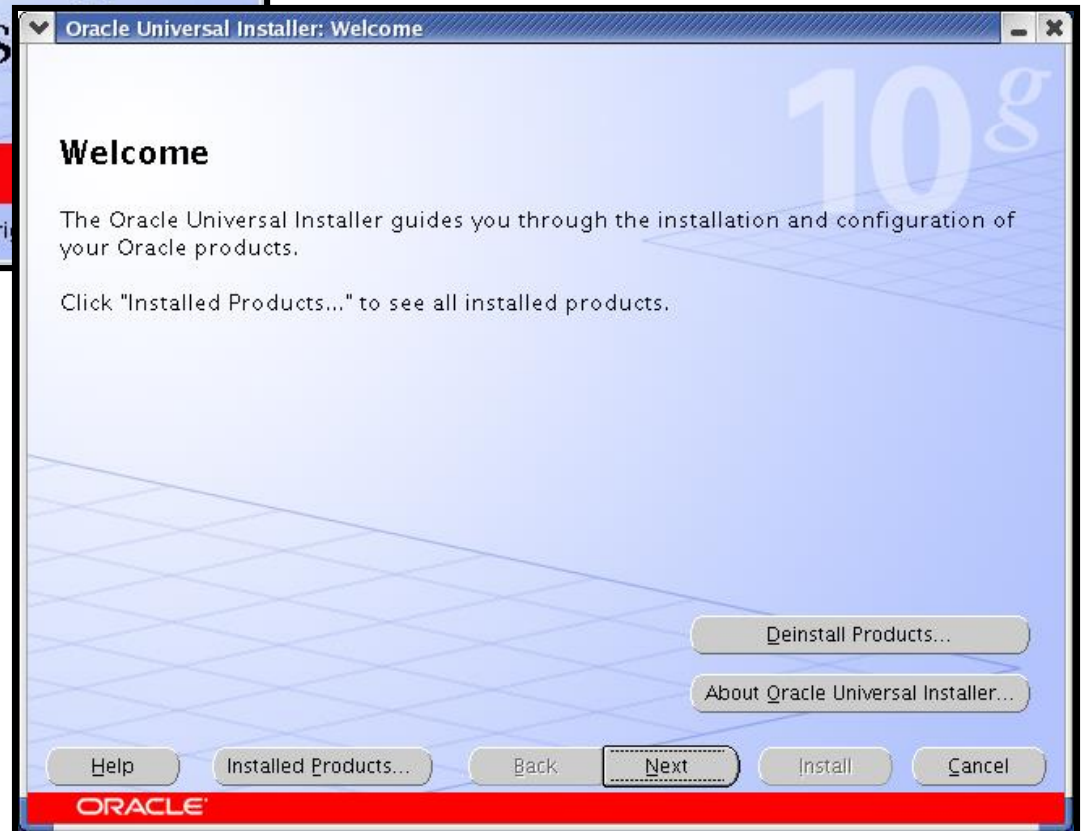


Définir les variables d'environnement

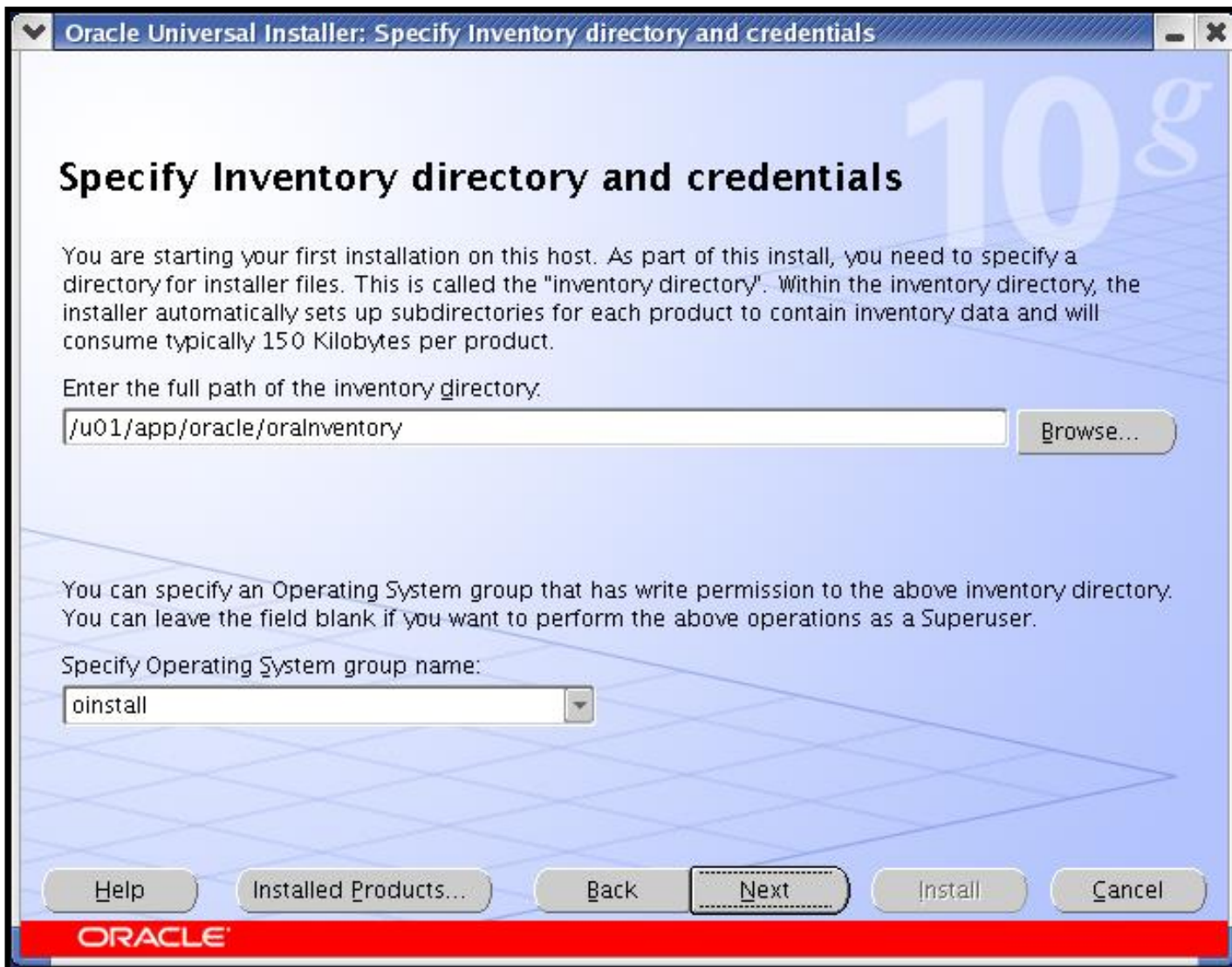
- **ORACLE_BASE** : base de la structure de répertoires Oracle pour l'architecture OFA
- **ORACLE_HOME** : répertoire contenant le logiciel Oracle
- **ORACLE_SID** : nom initial de l'instance (ORCL par défaut)
- **NLS_LANG** : paramètres de langue, de territoire et de jeu de caractères client



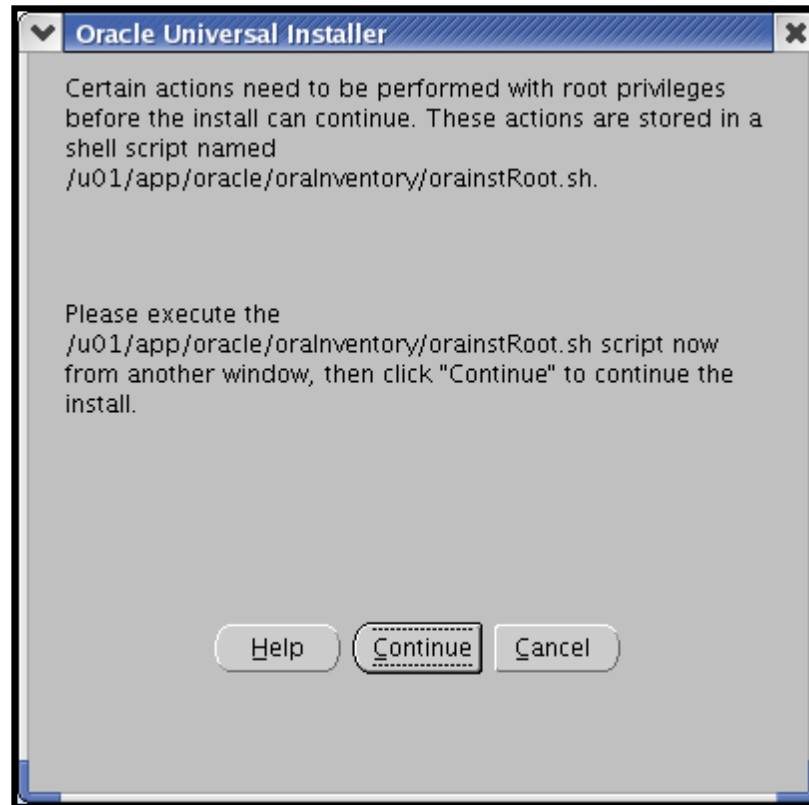
Oracle Universal Installer



Répertoire oraInventory et nom de groupe UNIX



oraInstRoot.sh



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

Emplacement des fichiers

Oracle Universal Installer: Specify File Locations

Specify File Locations

Source

Enter the full path of the file representing the product(s) you want to install:

Path:

Destination

Enter or select a name for the installation and the full path where you want to install the product.

Name:

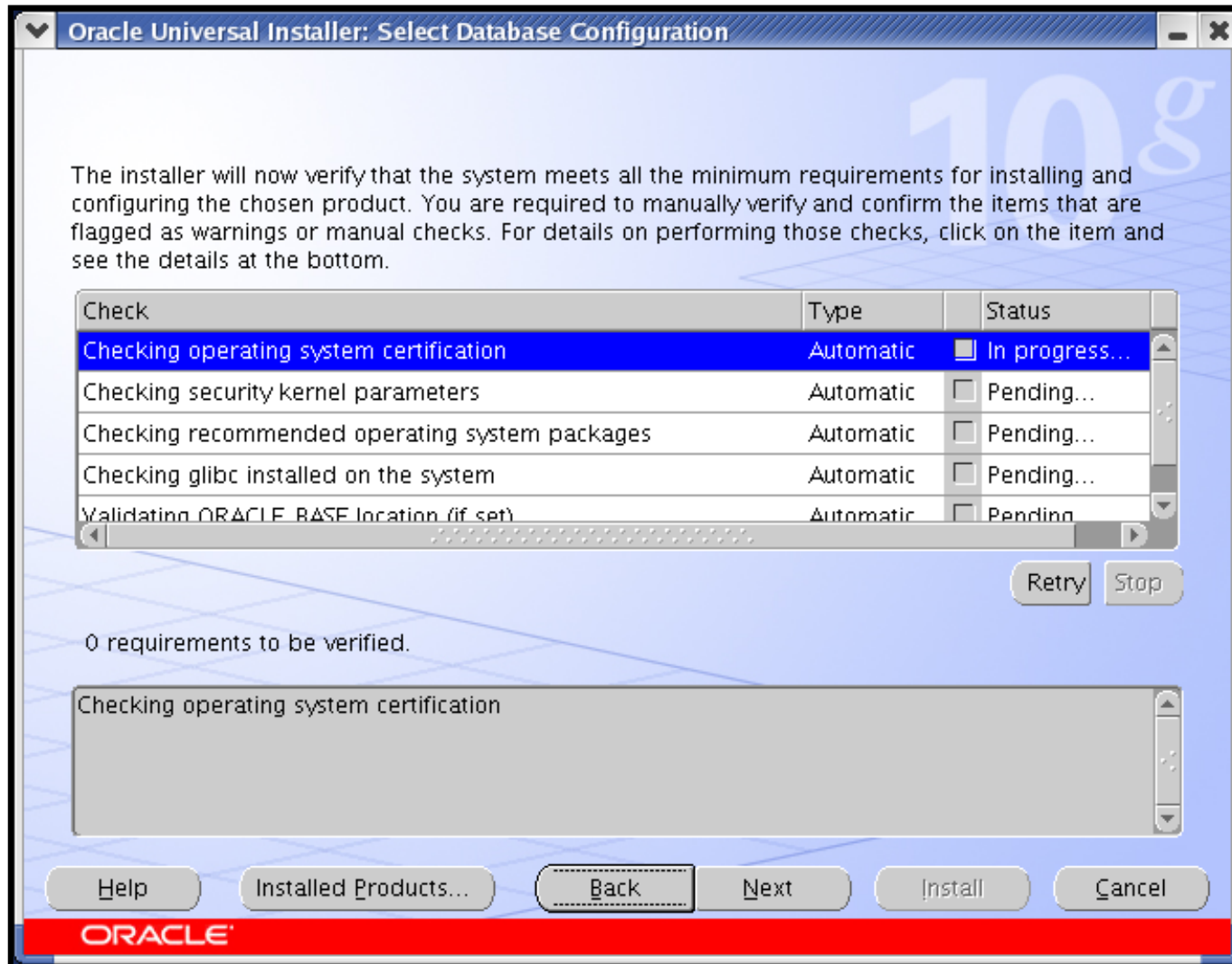
Path:

ORACLE

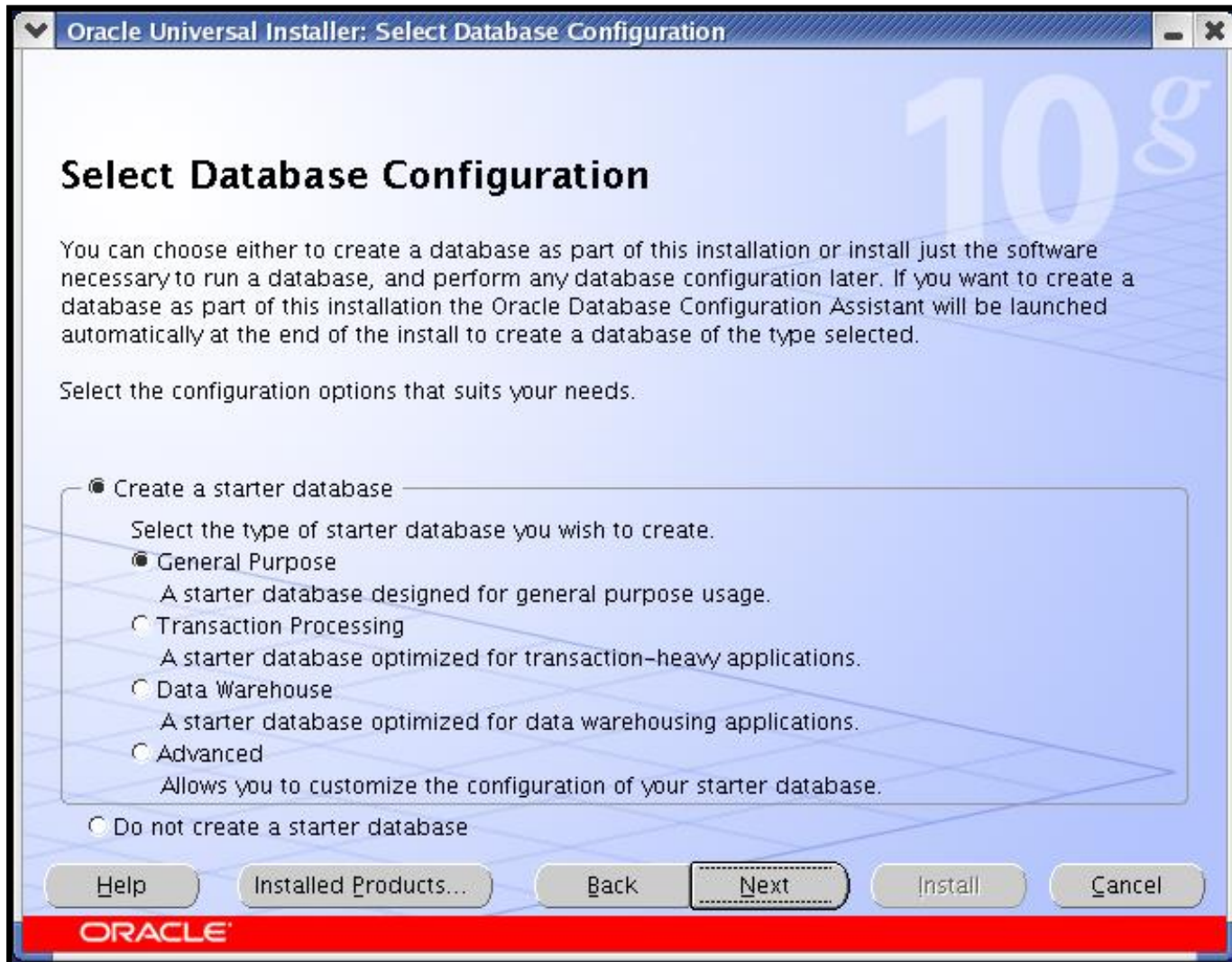
Type d'installation



Vérification des prérequis



Base de données de départ



Configuration et gestion

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:

Stockage des fichiers, sauvegarde et récupération

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:

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 on the disks that will be used for database storage, then provide a file that maps the raw partitions to the database files.

Specify Raw Devices mapping file:

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:

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:

Mots de passe et récapitulatif

Use different passwords for these accounts

User Name	Enter Password	Confirm Password
SYS		
SYSTEM		
SYSMAN		
DBSNMP		

Use the same password for all accounts

Enter Password:

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 (148 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

Installation



Assistants de configuration

Oracle Universal Installer: Configuration Assistants

Configuration Assistants

The following configuration assistants will configure and start the components you selected earlier.

Tool Name	Status	Type
<input type="checkbox"/> iSQL*Plus Configuration Assistant	In progress...	Optional
<input checked="" type="checkbox"/> Oracle Net Configuration Assistant	Pending...	Optional
<input checked="" type="checkbox"/> Oracle Database Configuration Assistant	Pending...	Optional

Retry Stop

Details (see full log at /u01/app/oracle/oral...)

Output generated from configuration assista
iSQL*Plus 10.1.0.2.0
Copyright (c) 2004 Oracle. All rights reserve
Starting iSQL*Plus ...

Help Installed Products...

ORACLE

Setup Privileges

A configuration script needs to be run as root before installation can proceed. Leaving this window open, open another window and run `'/u01/app/oracle/product/10.1.0/root.sh'` as root, then return to this window and click OK to continue.

OK

Synthèse

Ce chapitre vous a permis d'apprendre à :

- **identifier la configuration requise pour le système**
- **utiliser l'architecture OFA (Optimal Flexible Architecture)**
- **installer le logiciel avec Oracle Universal Installer**

Exercice 2 : Installer le logiciel Oracle

Cet exercice traite de l'installation du logiciel Oracle.