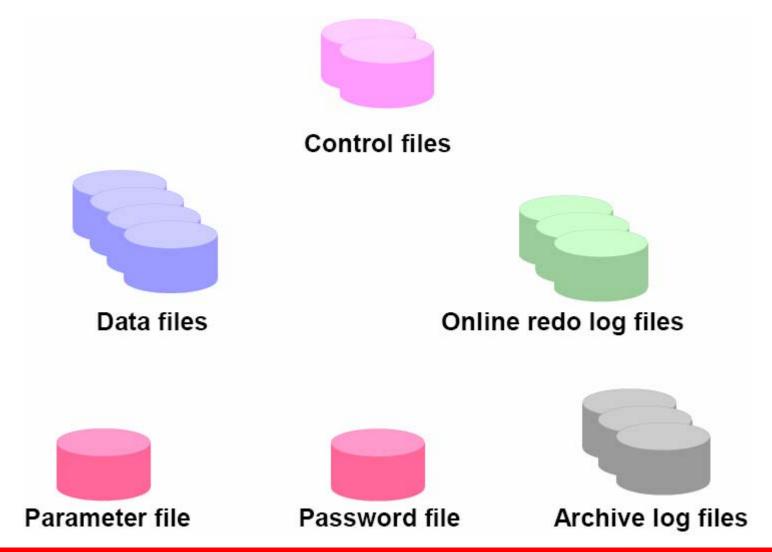
Membuat Database Oracle

Tujuan

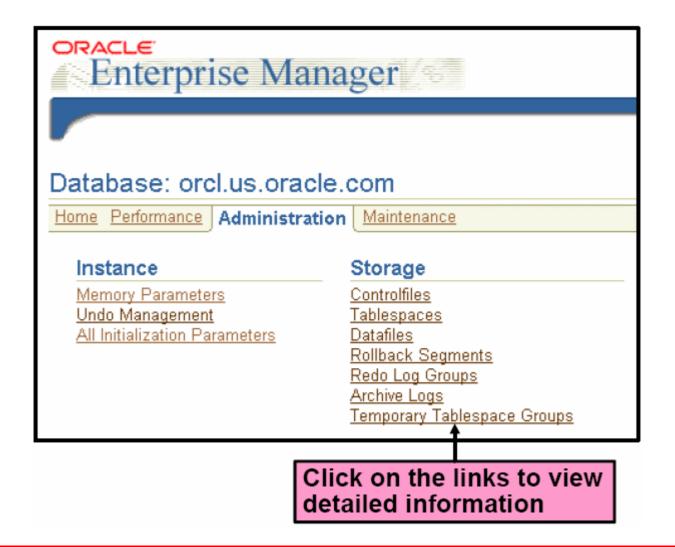
Setelah menyelesaikan bab ini, anda seharusnya dapat melakukan hal-hal berikut:

- Menggambarkan arsitektur dari database Oracle
- Mengerti arsitektur dari instance
- Menggunakan Management Framework
- Menggunakan DBCA untuk:
 - Membuat database
 - Melakukan konfigurasi database
 - Menghapus/drop database
 - Mengelola templates

Arsitektur Database



Meng-explore struktur penyimpanan



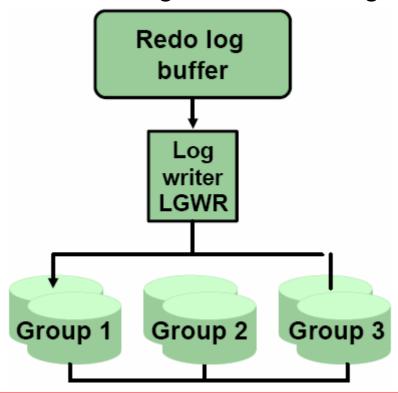
Control Files

- Berisi informasi tentang struktur fisik database
- Di-multiplex untuk menghindari kehilangan file
- Dibutuhkan ketika instance di-start



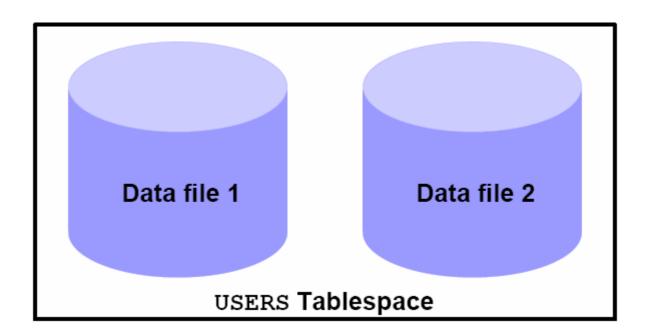
Redo Log Files

- Menyimpan perubahan pada database
- Di-multiplex untuk menghindari kehilangan file



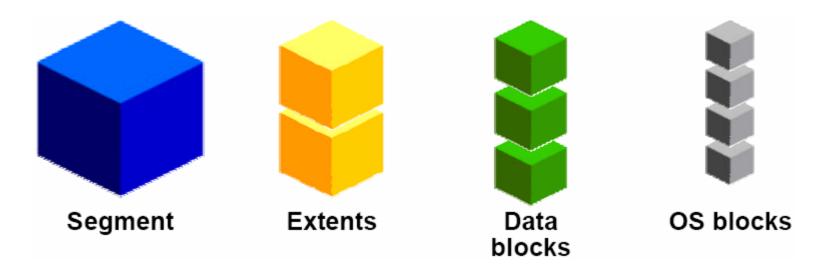
Tablespaces dan Datafiles

- Tablespaces terdiri dari satu atau lebih data files
- Data files dapat dimiliki hanya oleh satu tablespace

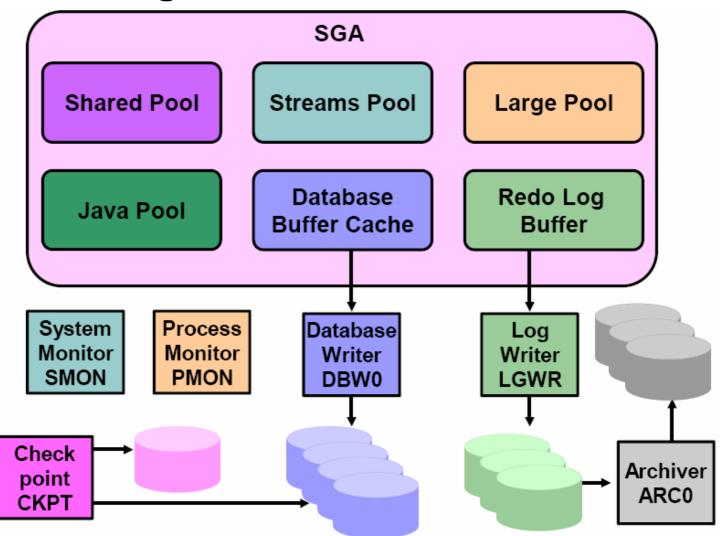


Segments, Extents, dan Blocks

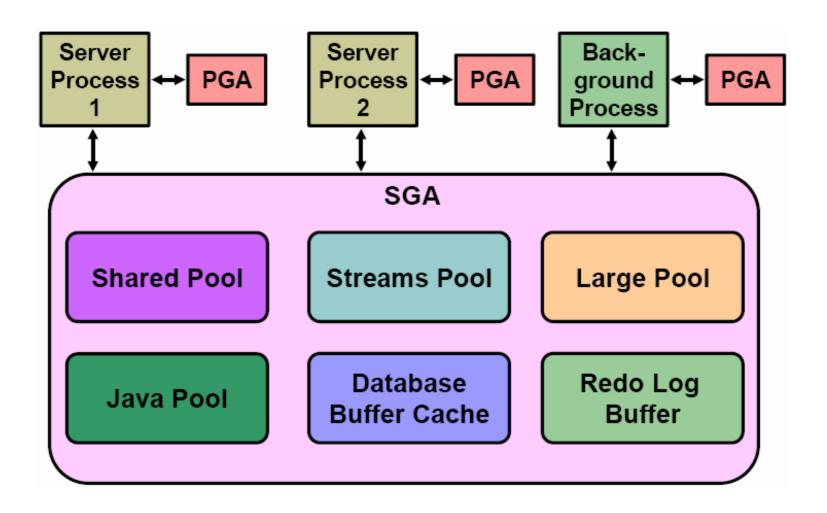
- Segment berada dalam tablespace
- Segment terbentuk dari kumpulan extent
- Extent merupakan kumpulan dari data blok
- Data blok dipetakan pada operating system blok



Pengelolaan Oracle Instance



Struktur Memori Oracle



Proses-proses Oracle

Server Process

Server Process Server Process Server Process

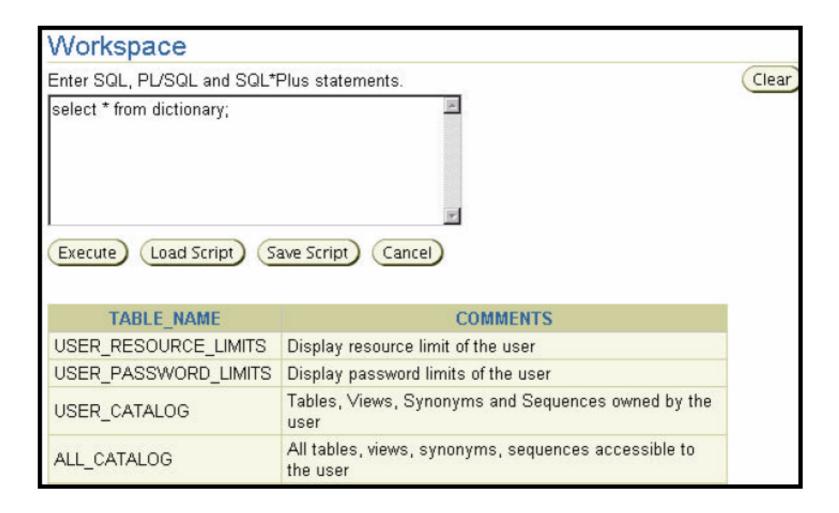
System Global Area SGA

System Monitor SMON Process Monitor PMON Database Writer DBWn Check point CKPT Log Writer LGWR

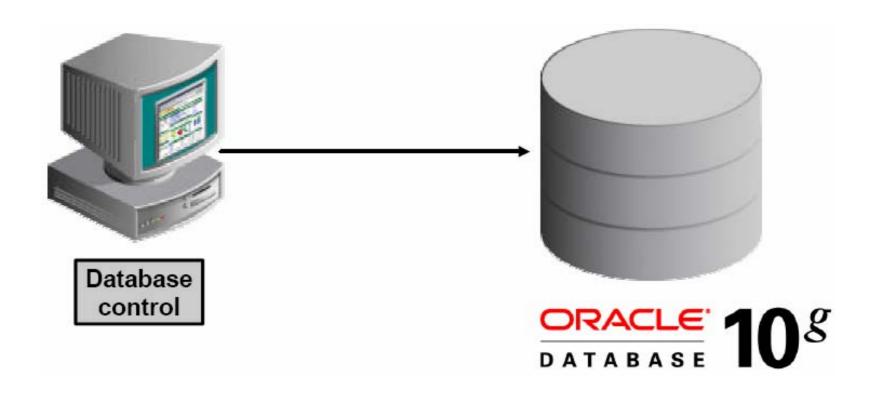
Archiver ARCn

Background Processes

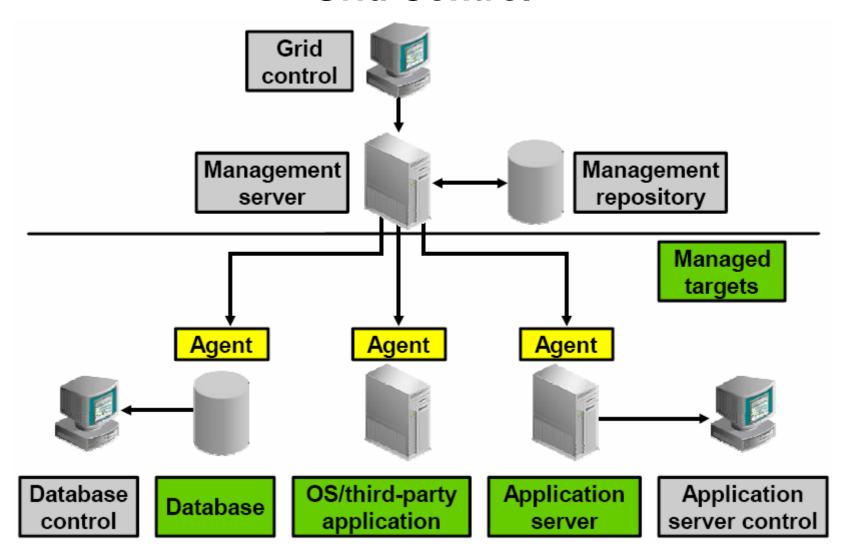
Data Dictionary



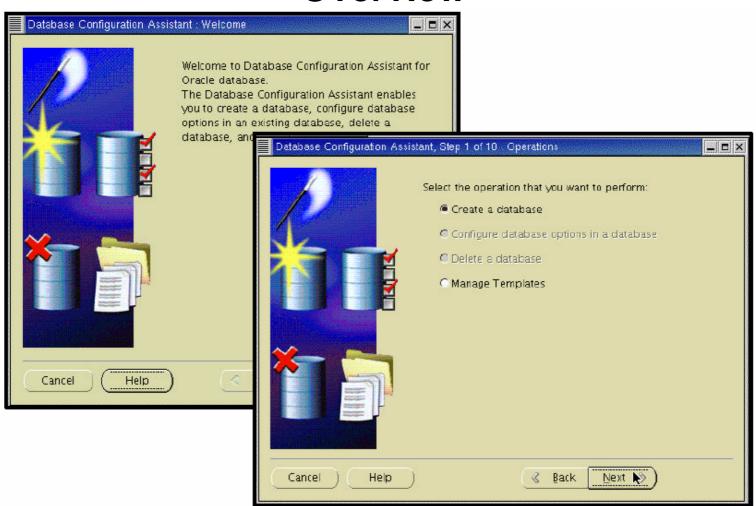
Database Control



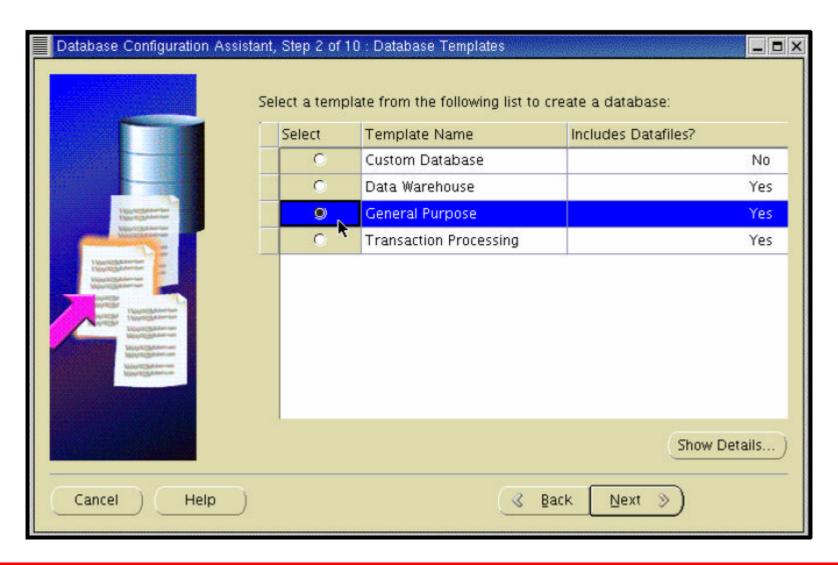
Grid Control



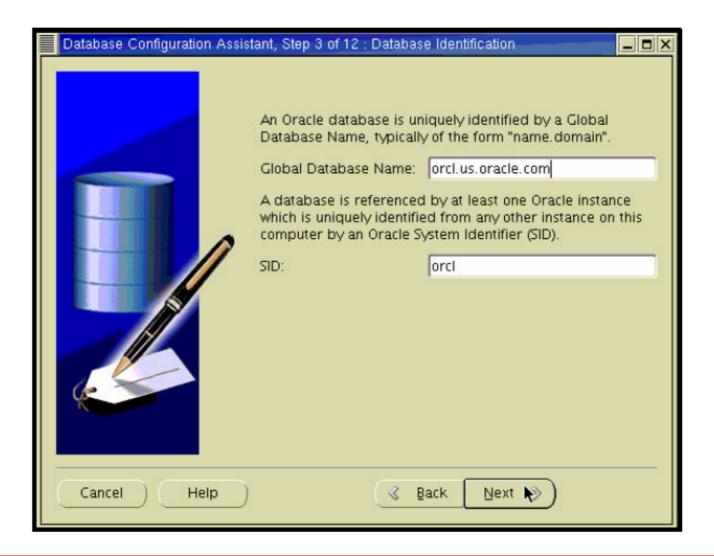
Database Configuration Assistant (DBCA) Overview



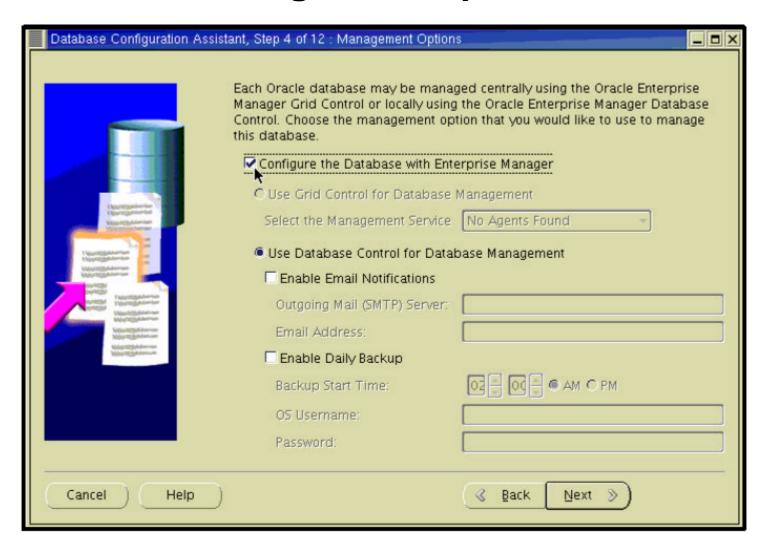
Membuat Database



Database Identification



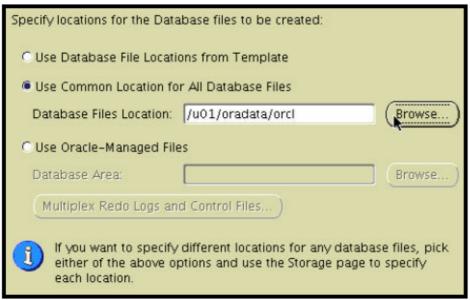
Management Options



Passwords dan Storage

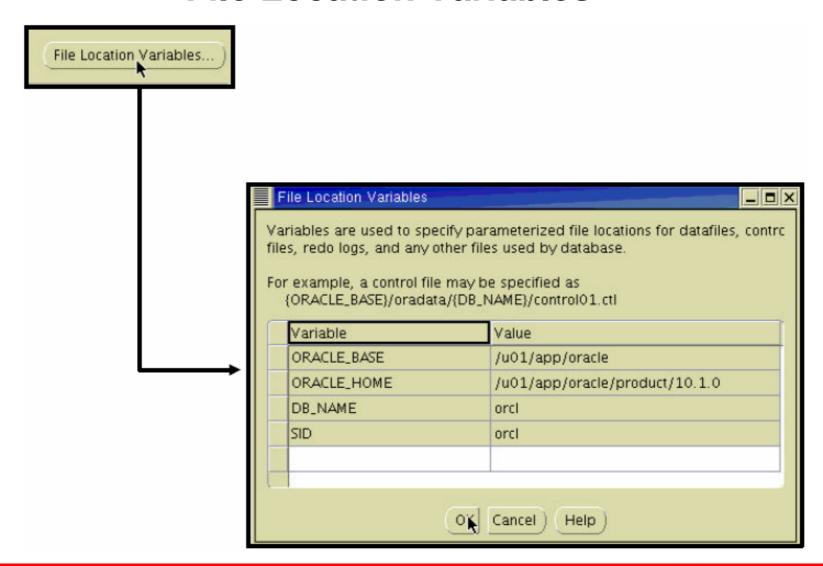
Use the Same Passy	word for All Accounts	20	
Password:	*****		
Confirm Password:	*****		
C Use Different Passw	vords		
User Name	Password	Confirm Password	
SYS			
SYSTEM			
DBSNMP			
C Auto Au ad usi dis C Raw Ra Re Sto ne		File System Use the File System fo Automatic Storage Man Automatic Storage Ma administration and op use this option you me disk group or specify Raw Devices Raw partitions or volu Real Application Clust Storage Management need to have created	agement (ASM) nagement simplifies database storage stimizes database layout for I/O performance. To ust either specify a set of disks to create an ASM an existing ASM disk group. mes can provide the required shared storage for ers (RAC) databases if you do not use Automatic and a Cluster File System is not available. You one raw device for each datafile, control file, and ng to create in the database.

Lokasi File dan Backup Recovery



Choose the recovery options for the database:							
Specify Flash Recovery Area							
This is used as the default for all backup and recovery operations, and is also required for automatic backup using Enterprise Manager. Oracle recommends that the database files and recovery files be located on physically different disks for data protection and performance.							
Flash Recovery Area:	{ORACLE_BASE}/flash_reco	Browse					
Flash Recovery Area Size:	2048	M Bytes 👻					
Enable Archiving	Edit Archive Mode Parame	eters)					

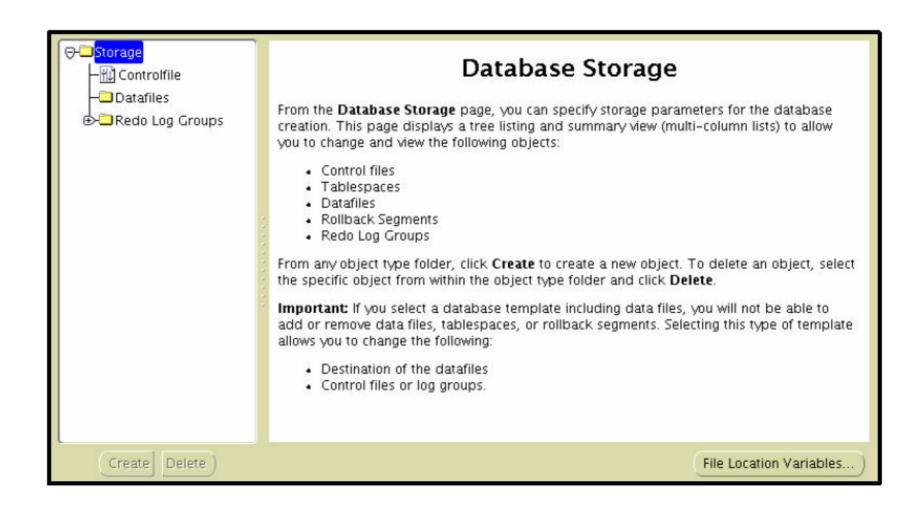
File Location Variables



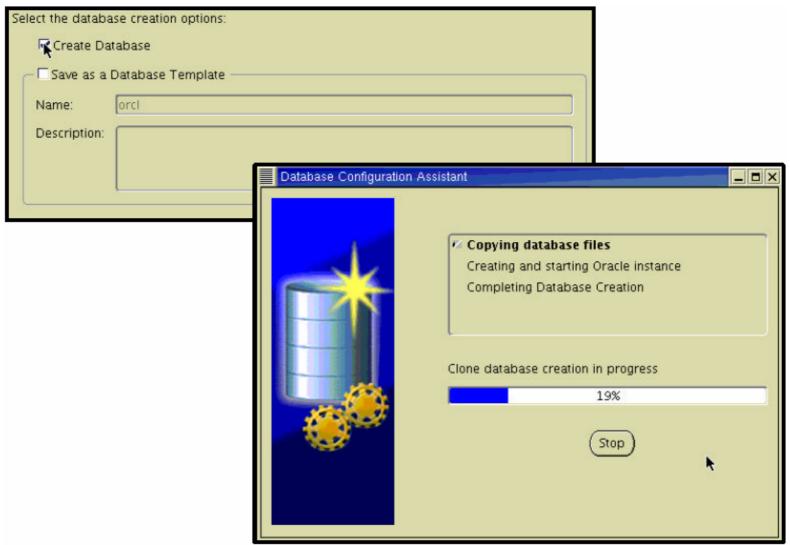
Content dan Initialization Parameters

Sample Schemas Custom Scripts Sample Schemas illustrate the use of a layered approach to complexity, and are used by some demonstration programs. Installing this will give you the following schemas in your database: Human Resources, Order Entry, Online Catalog , Product Media, Queued Shipping, Sales History . It will also create a tablespace called EXAMPLE. The tablespace will be								
about 130 MB. Specify whether or not to add Sample Schemas	Memory	Sizing	Character Sets	Connection Mode				
	C Typical - Allocate memory as a percentage of the total physical memory (1000 MB) Percentage: 70 Show Memory Distribution							
	● Custom							
	Shared Memory N	fanagement: O	Automatic 🥌 Manua	al				
	Shared Pool:	80		M Bytes *				
	Buffer Cache:	24		M Bytes *				
	Java Pool:	48		M Bytes 🔻				
	Large Pool:	8		M Bytes 🔻				
	PGA Size:	24		M Bytes 🔻				
	Total Memory for Oracle: 224 M Bytes Total memory includes 40MB of Oracle Process Size and the defaults for the empty parameters, if any. All Initialization Parameters							

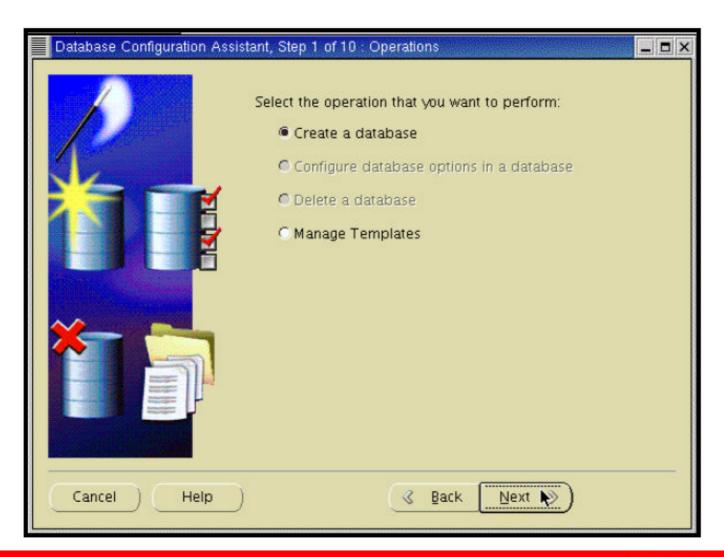
Database Storage



Creation Options dan Create



Action-action lain dengan DBCA



Ringkasan

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

- Menggambarkan arsitektur dari database Oracle
- Mengerti arsitektur dari instance
- Menggunakan Management Framework
- Menggunakan DBCA untuk:
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