Membuat Database Oracle

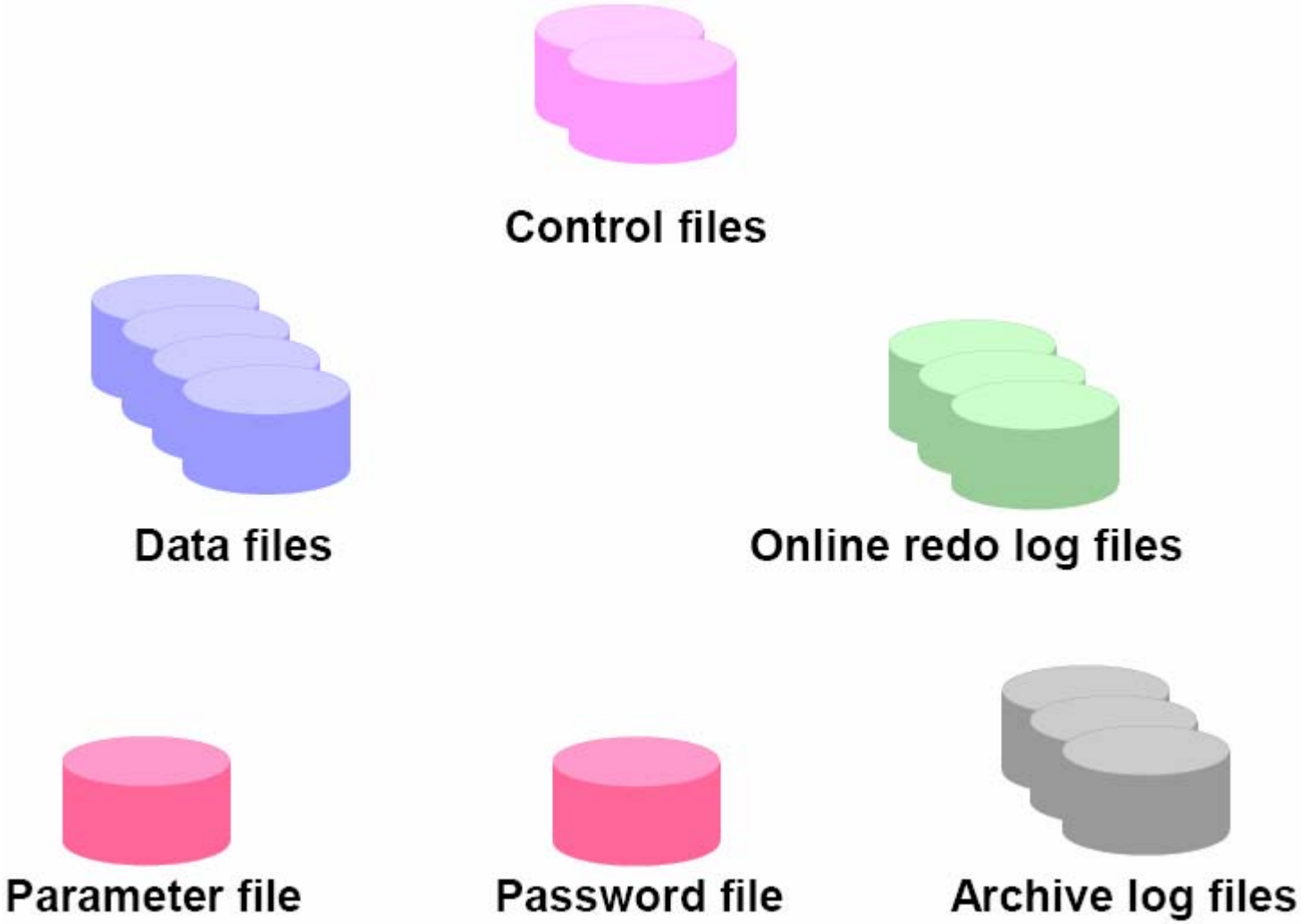
By: Ahmad Syaugi Ahsan

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



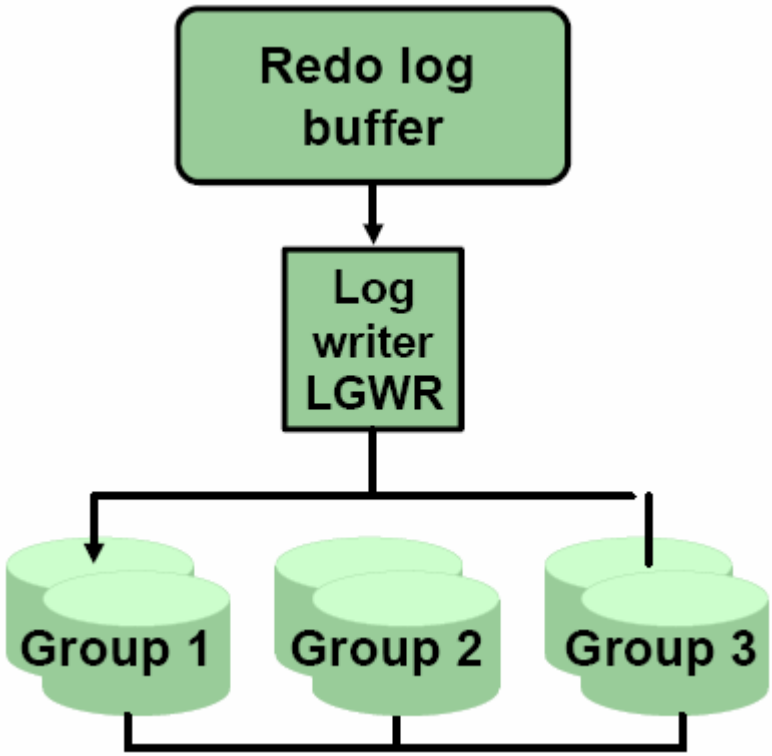
Meng-explore struktur penyimpanan

Control Files

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

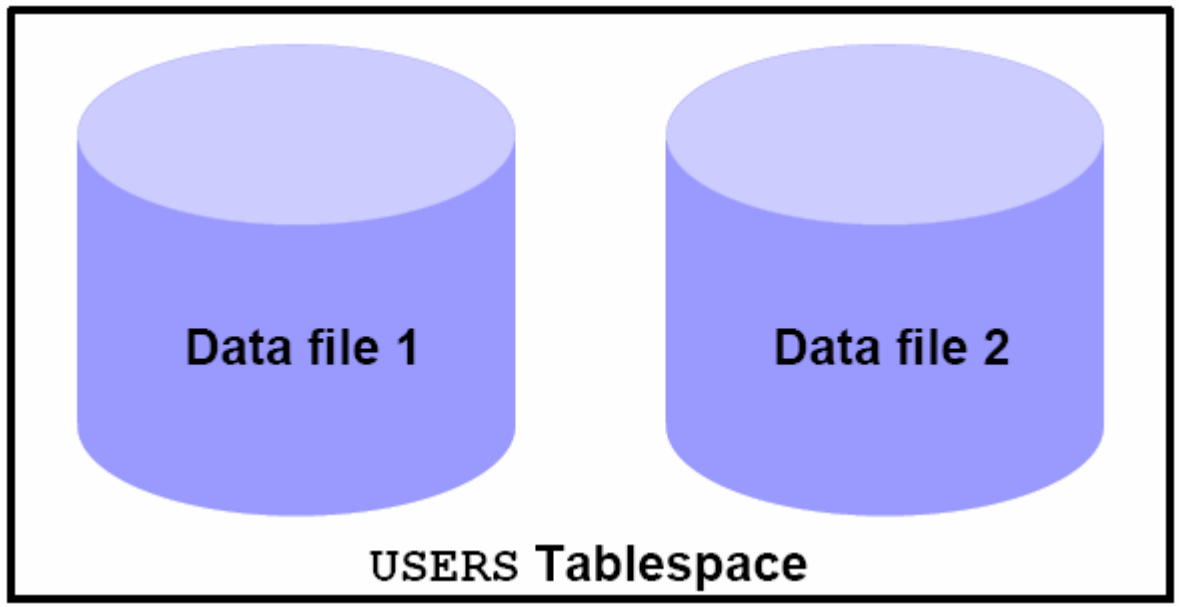
Redo Log Files

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



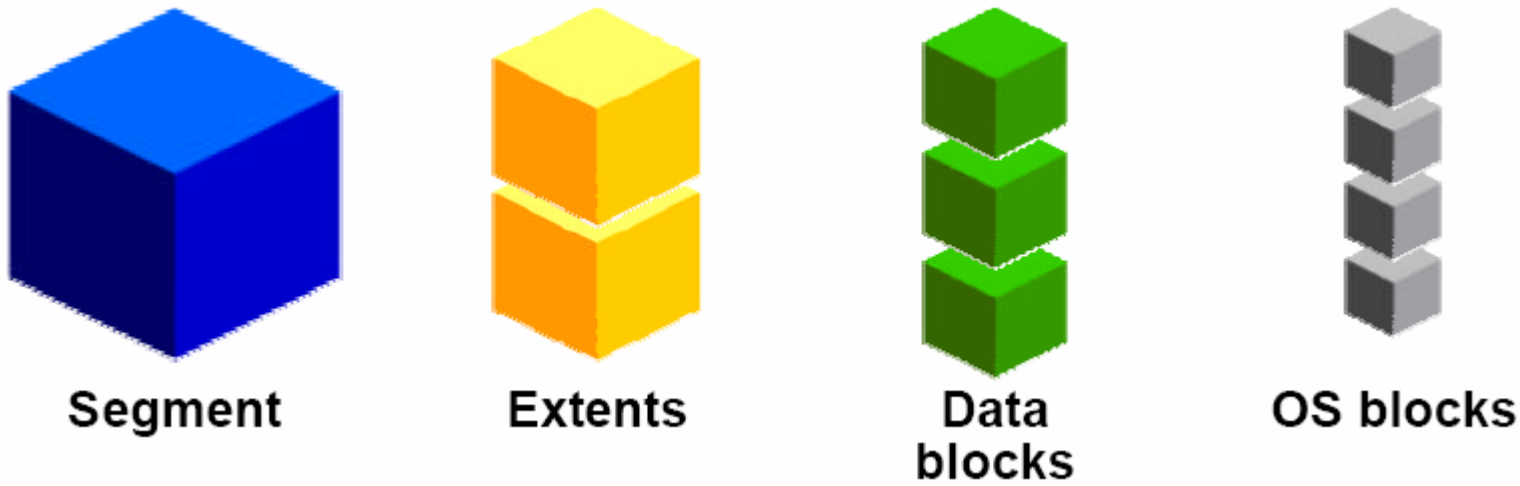
Tablespaces dan Datafiles

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

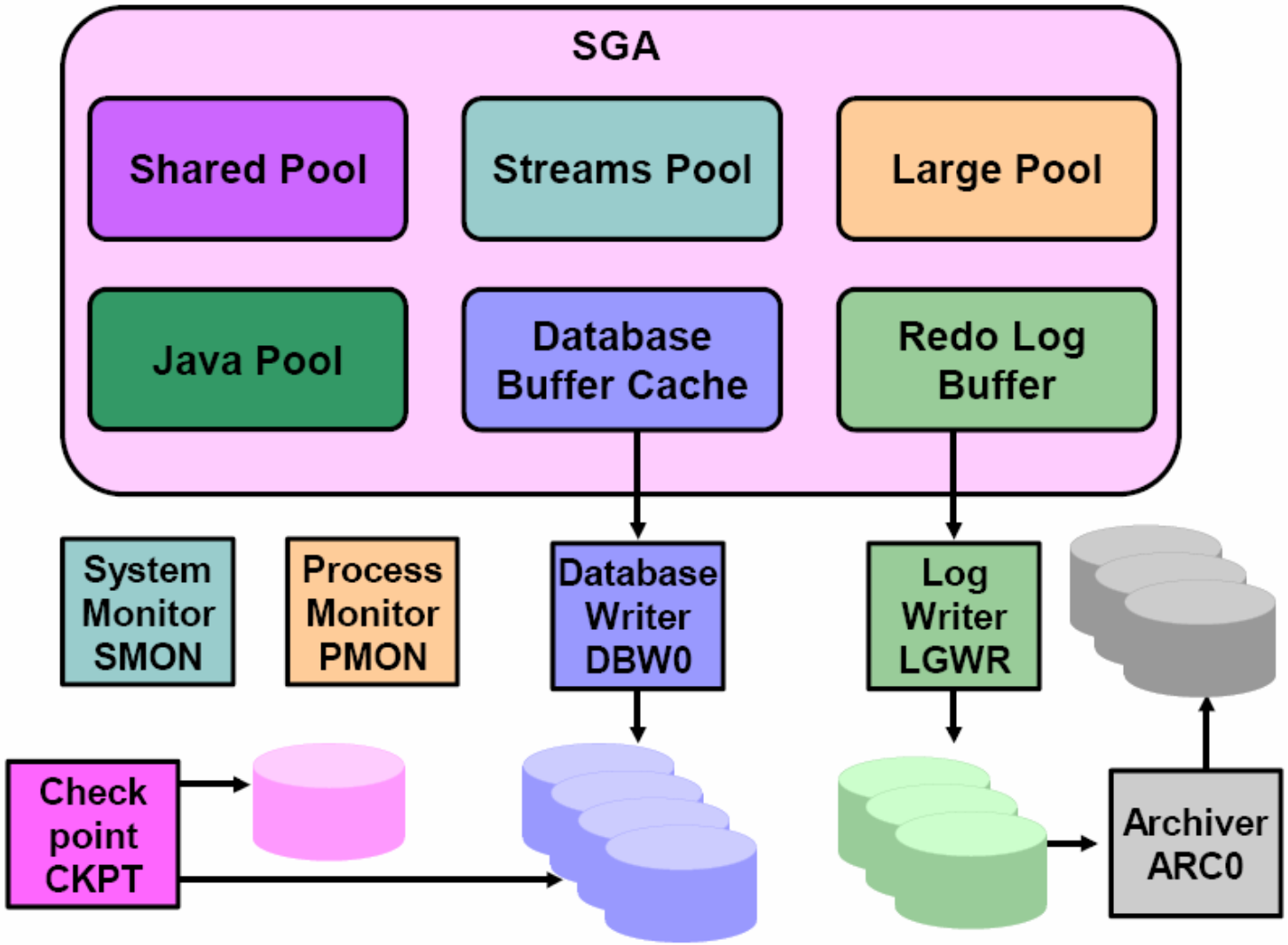


Segments, Extents, dan Blocks

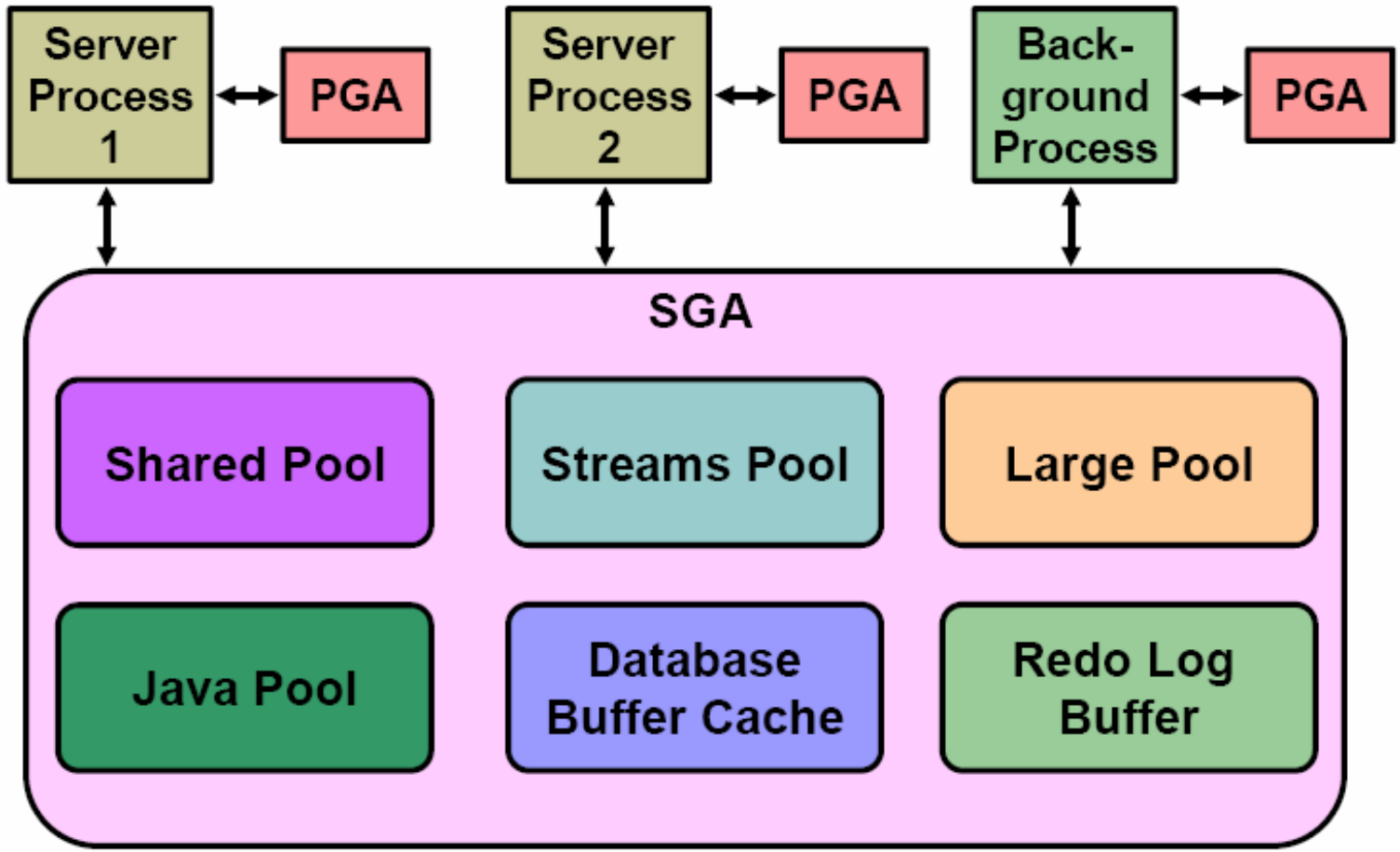
- Segment berada dalam tablespace
- Segment terbentuk dari kumpulan extent
- Extent merupakan kumpulan dari data blok
- Data blok dipetakan pada operating system blok



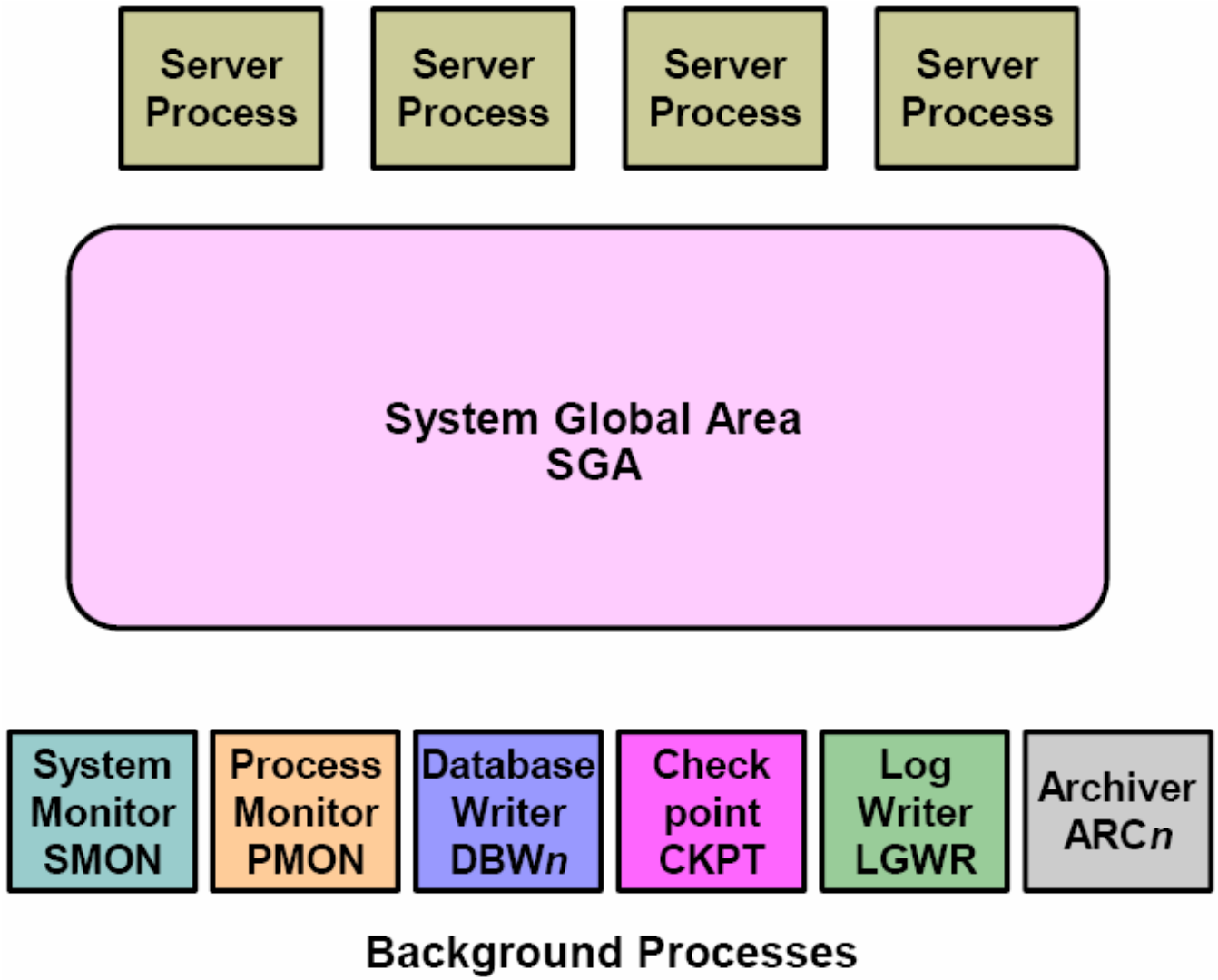
Pengelolaan Oracle Instance



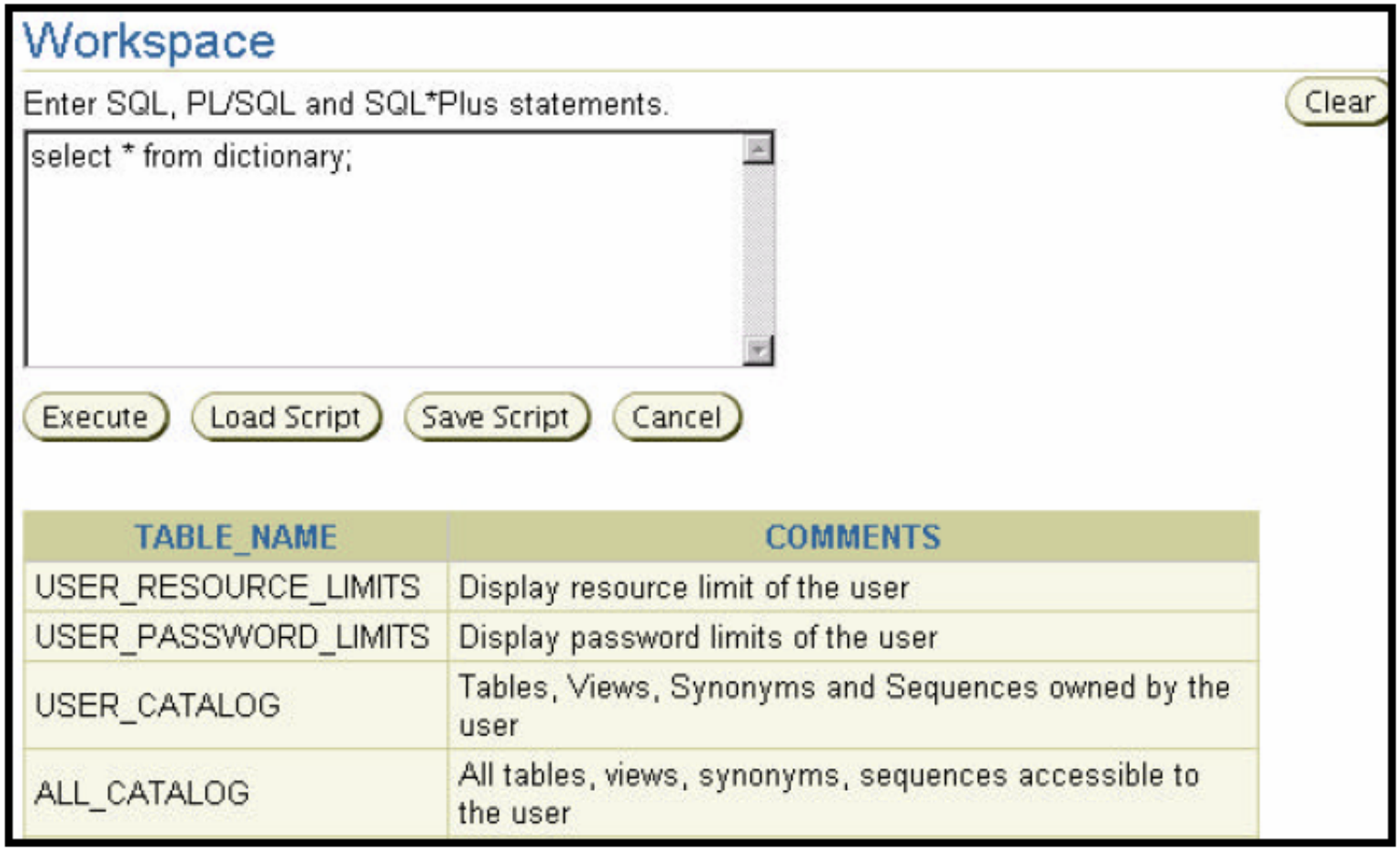
Struktur Memori Oracle



Proses-proses Oracle

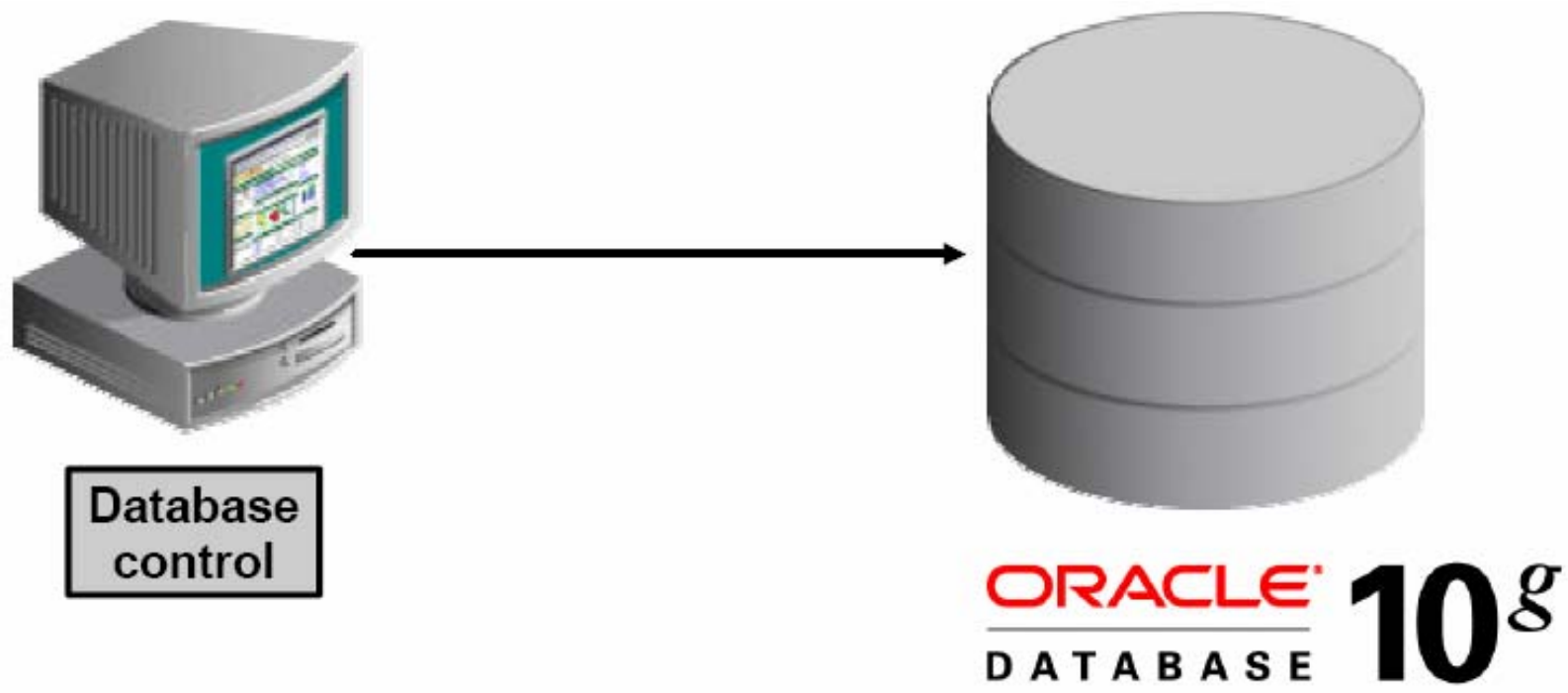


Data Dictionary

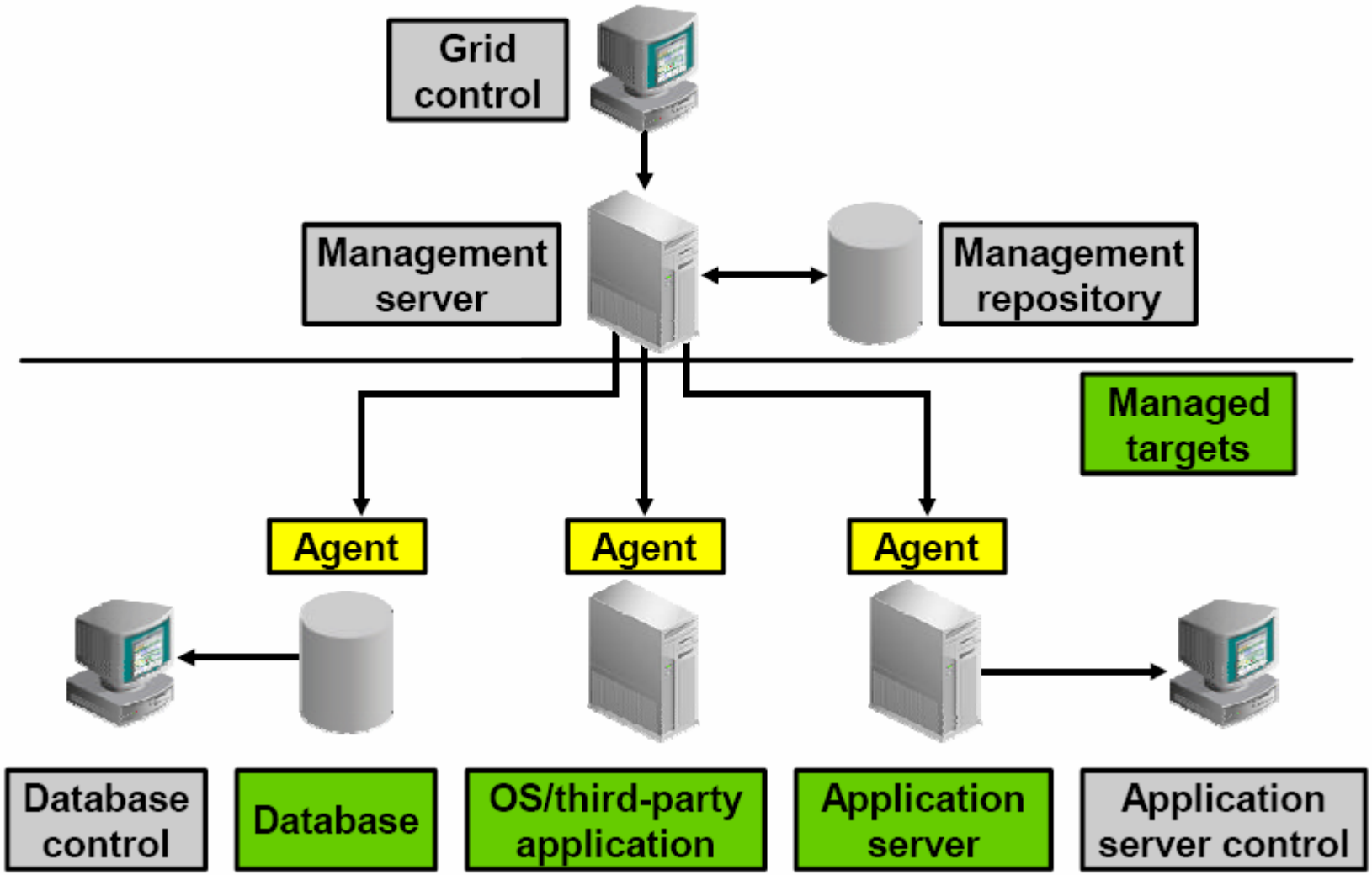


TABLE_NAME	COMMENTS
USER_RESOURCE_LIMITS	Display resource limit of the user
USER_PASSWORD_LIMITS	Display password limits of the user
USER_CATALOG	Tables, Views, Synonyms and Sequences owned by the user
ALL_CATALOG	All tables, views, synonyms, sequences accessible to the user

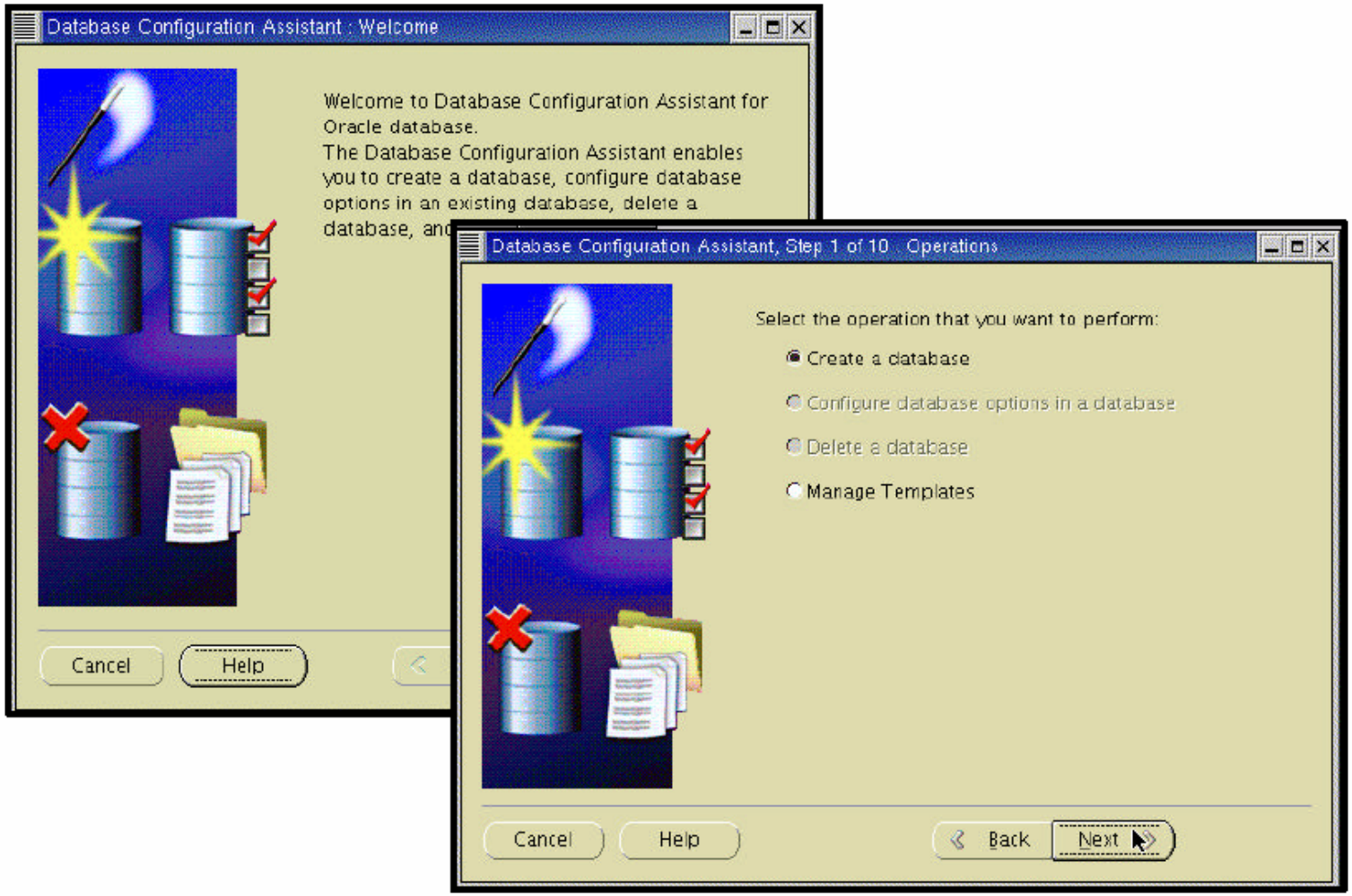
Database Control



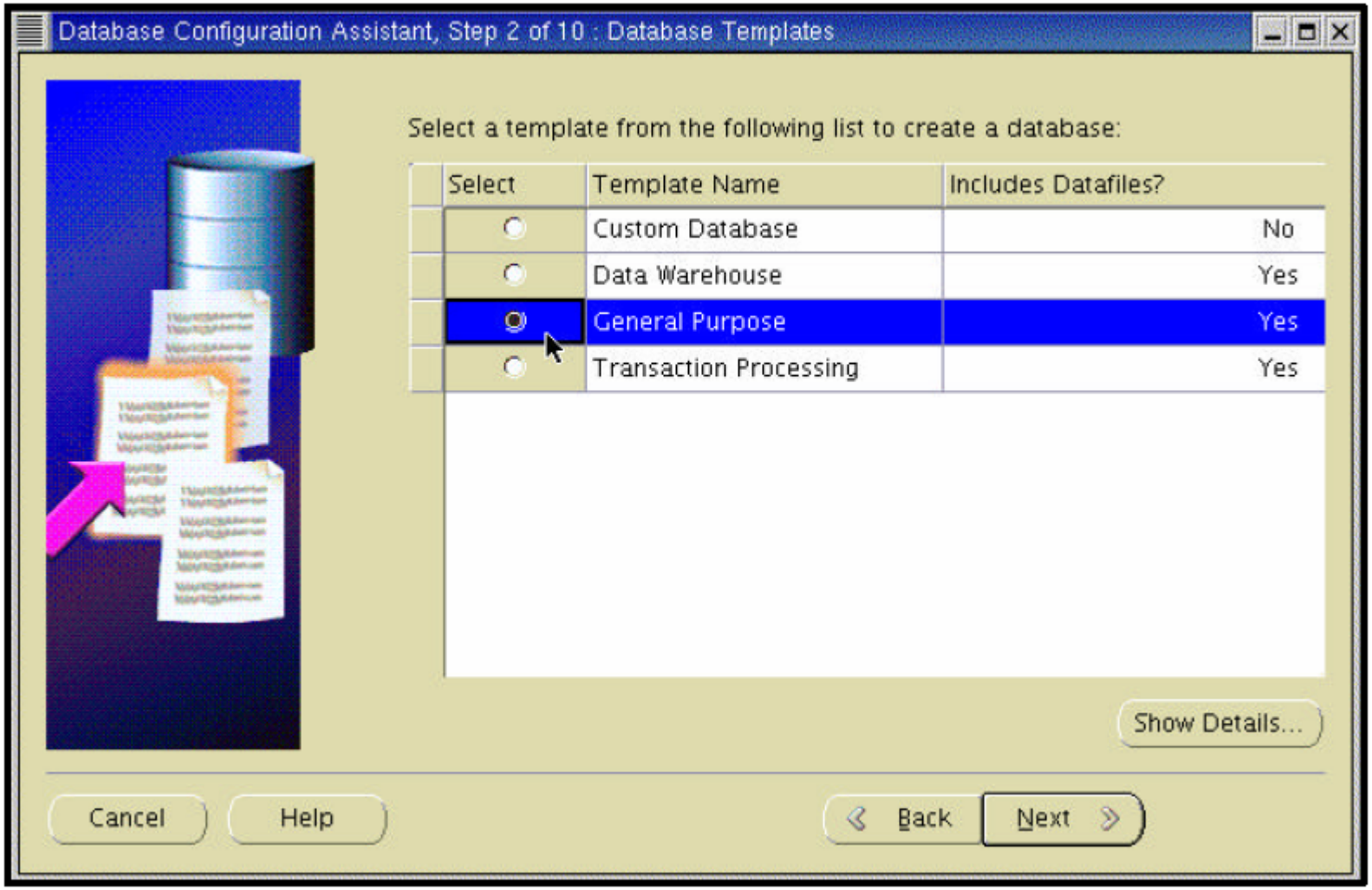
Grid Control



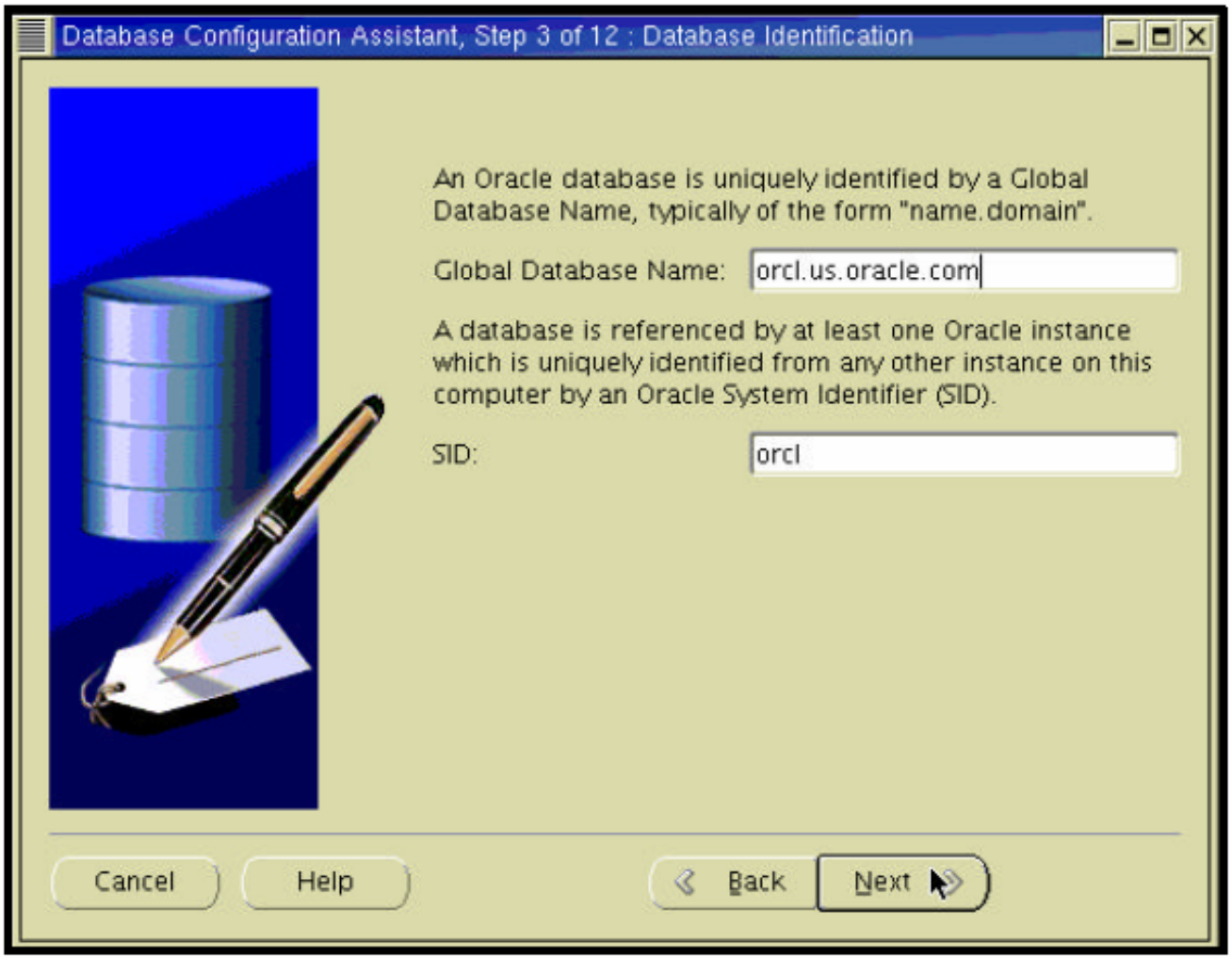
Database Configuration Assistant (DBCA) Overview



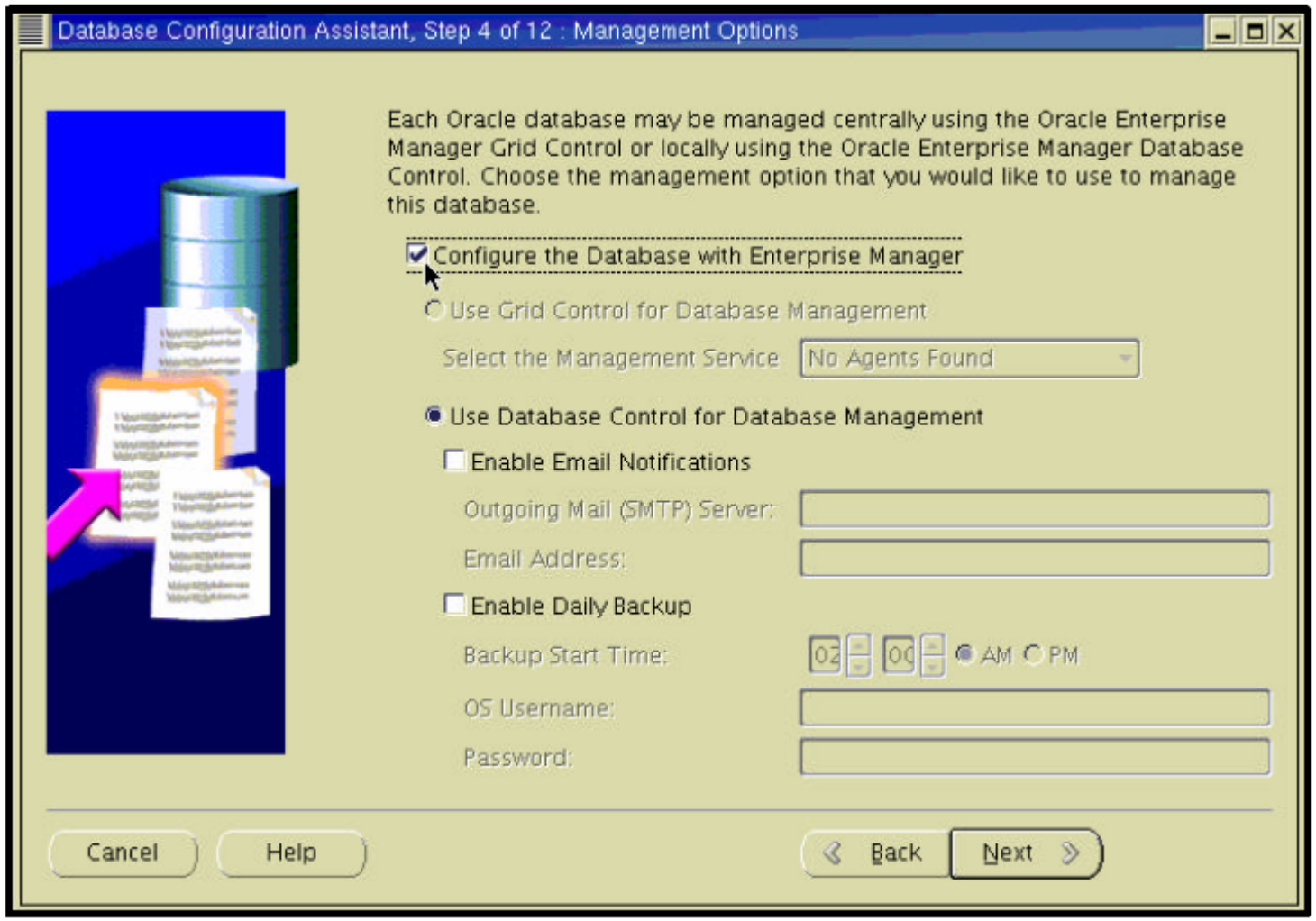
Membuat Database



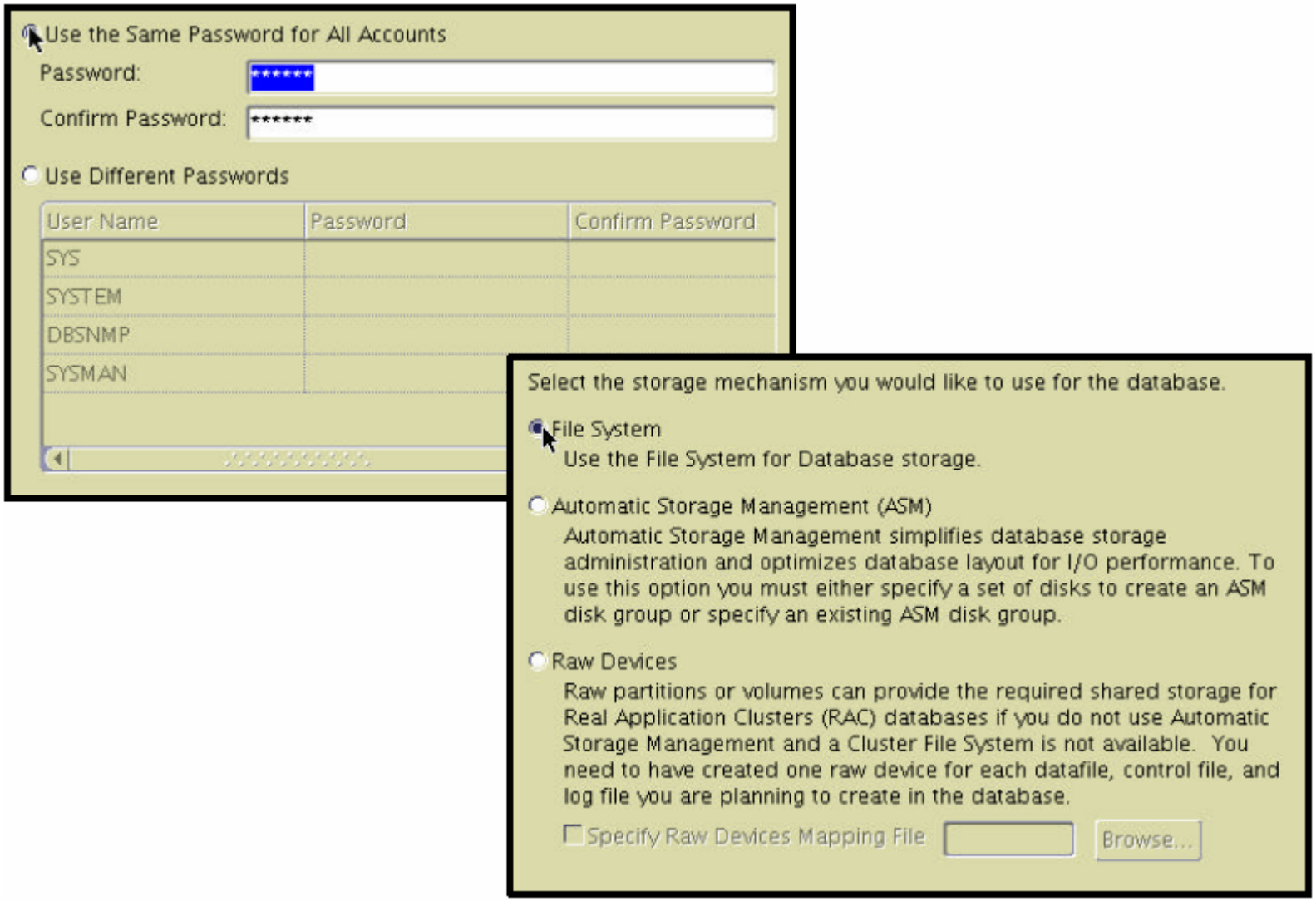
Database Identification



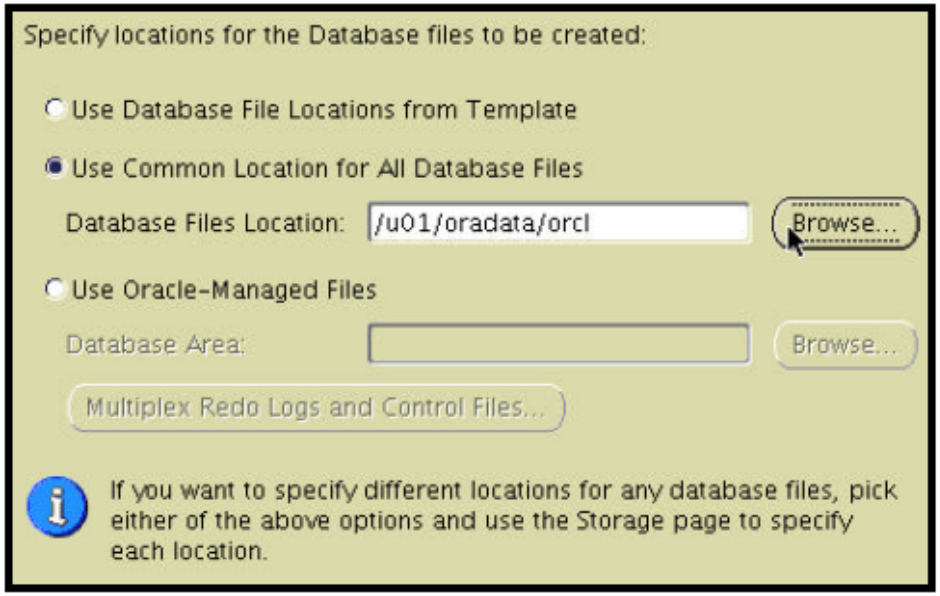
Management Options



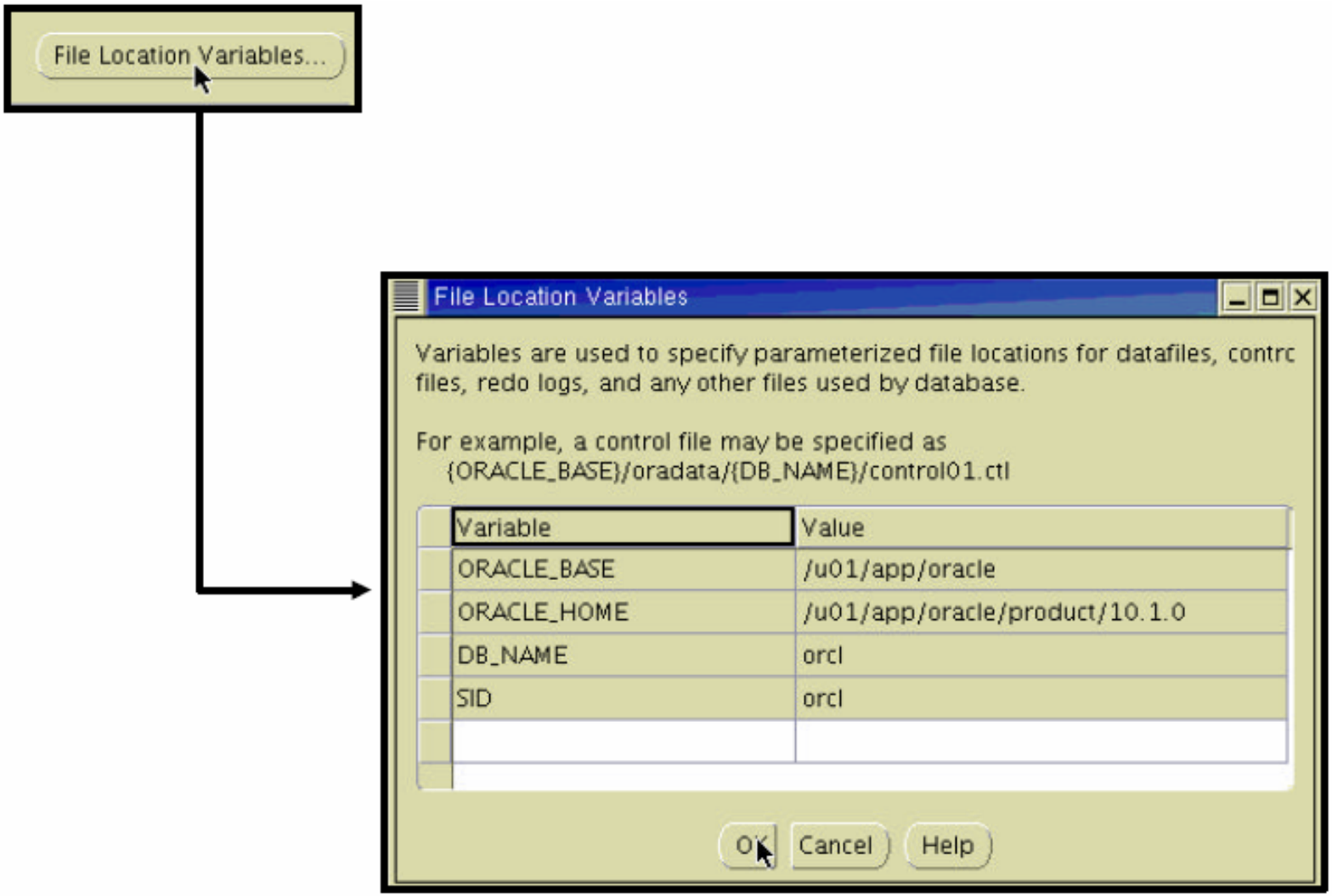
Passwords dan Storage



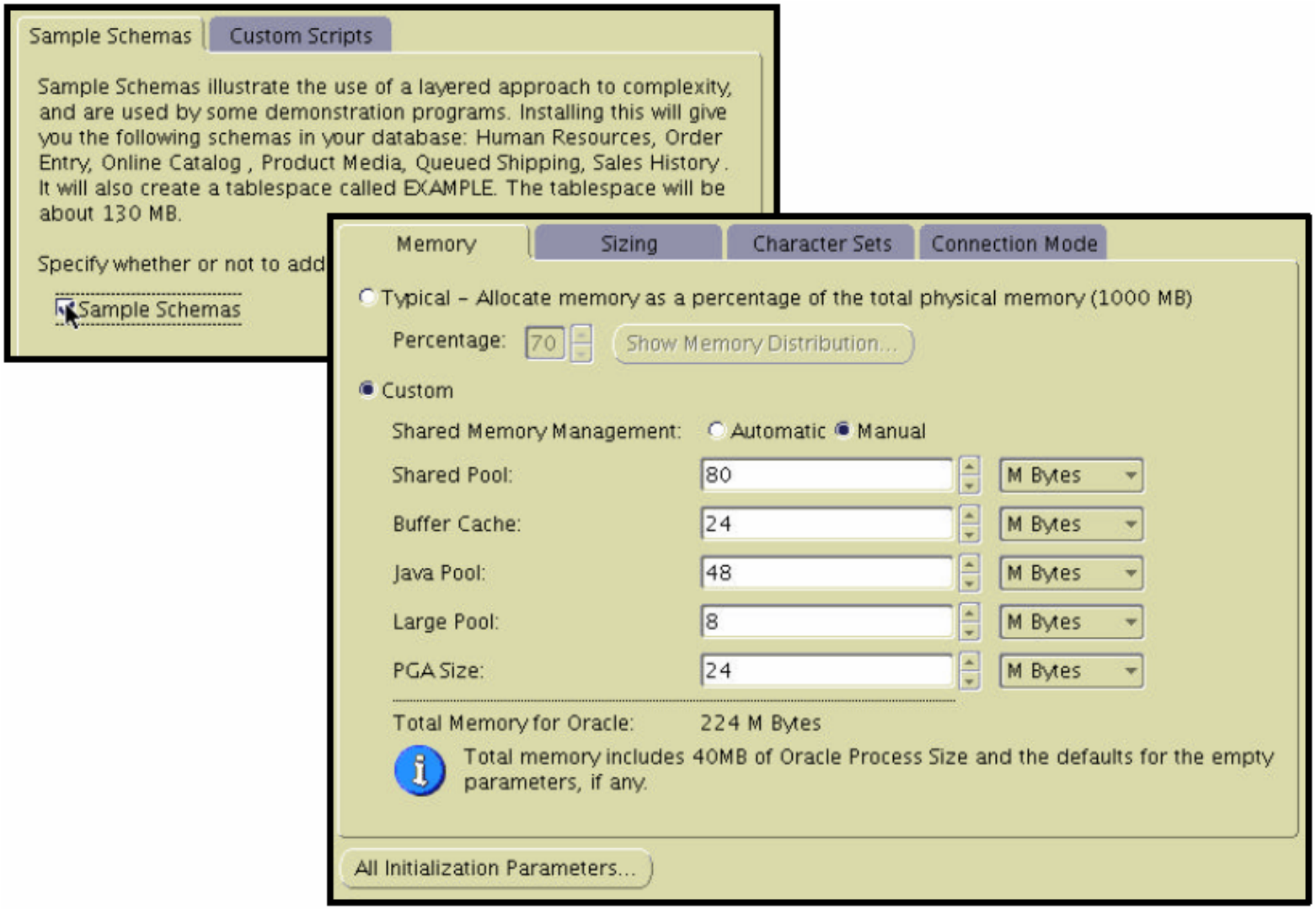
Lokasi File dan Backup Recovery



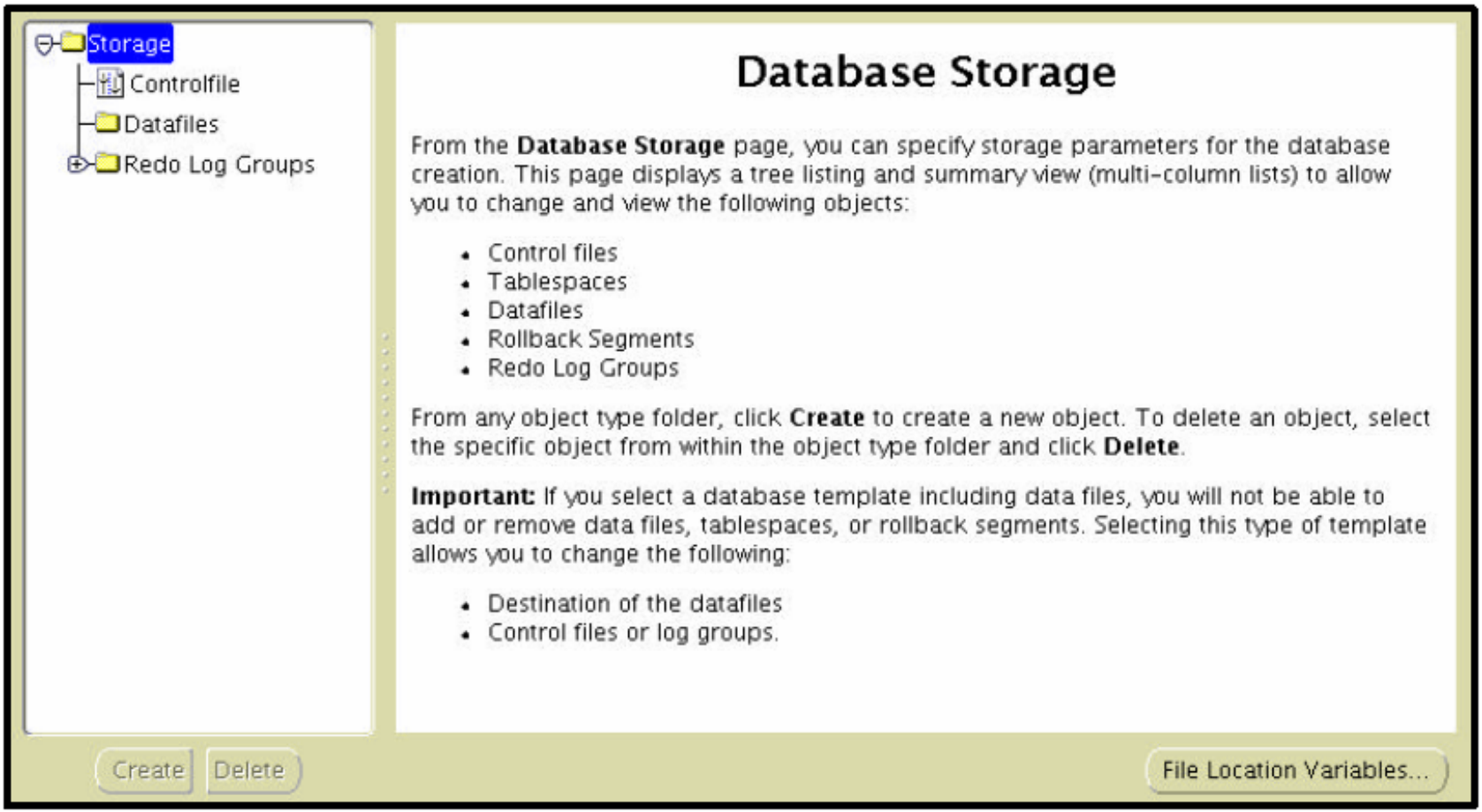
File Location Variables



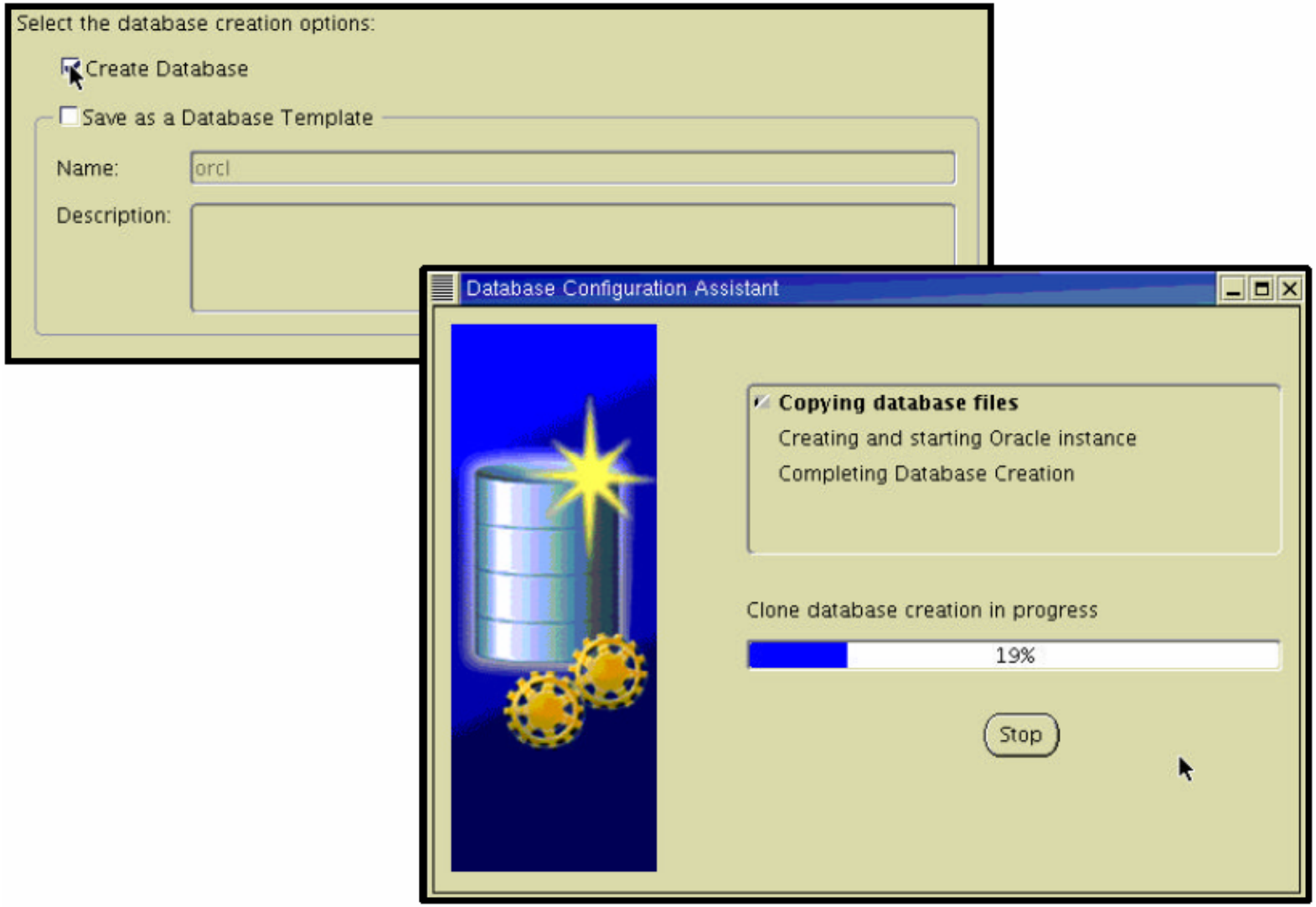
Content dan Initialization Parameters



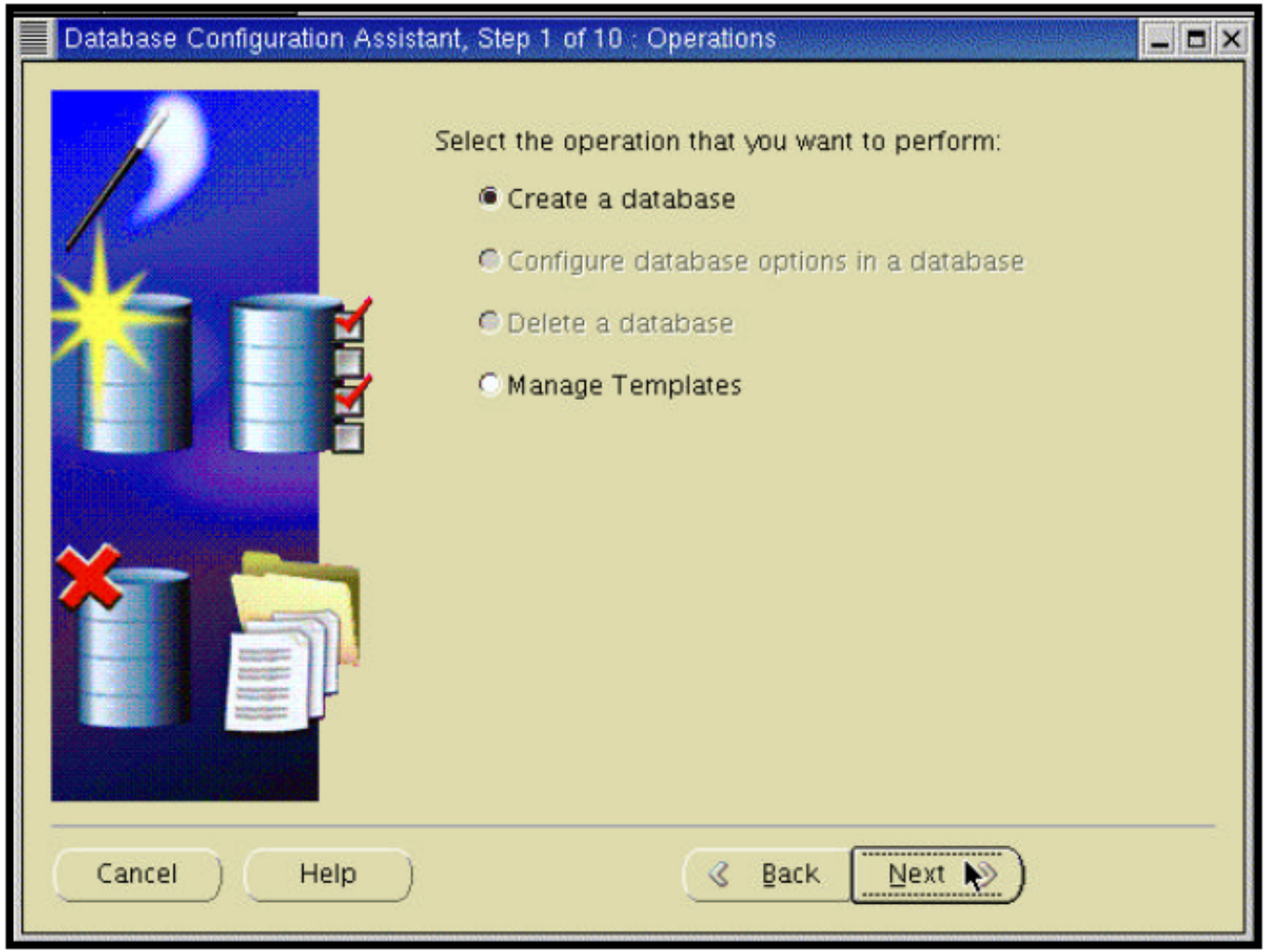
Database Storage



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:
  - Membuat database
  - Melakukan konfigurasi database
  - Menghapus/drop database
  - Mengelola templates