Mengontrol Database

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Tujuan

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

- Start dan stop di *i*SQL*Plus
- Start dan stop Enterprise Manager Database Control
- Start dan stop Oracle Listener
- Start up dan shutdown Oracle Database 10g

Start dan Stop *i*SQL*Plus

```
$ isqlplusctl start
iSQL*Plus 10.1.0.2.0
Copyright (c) 2004 Oracle.  All rights reserved.
Starting iSQL*Plus ...
iSQL*Plus started.
```

```
$ isqlplusctl stop
iSQL*Plus 10.1.0.2.0
Copyright (c) 2004 Oracle.  All rights reserved.
Stopping iSQL*Plus ...
iSQL*Plus stopped.
```

Management Framework

3 komponen di Oracle Database 10g Management Framework:

- **Database Instance**
- **Listener**
- **Management Interface:**
  - **Database Control**
  - **Management agent(jika menggunakan Grid Control)**

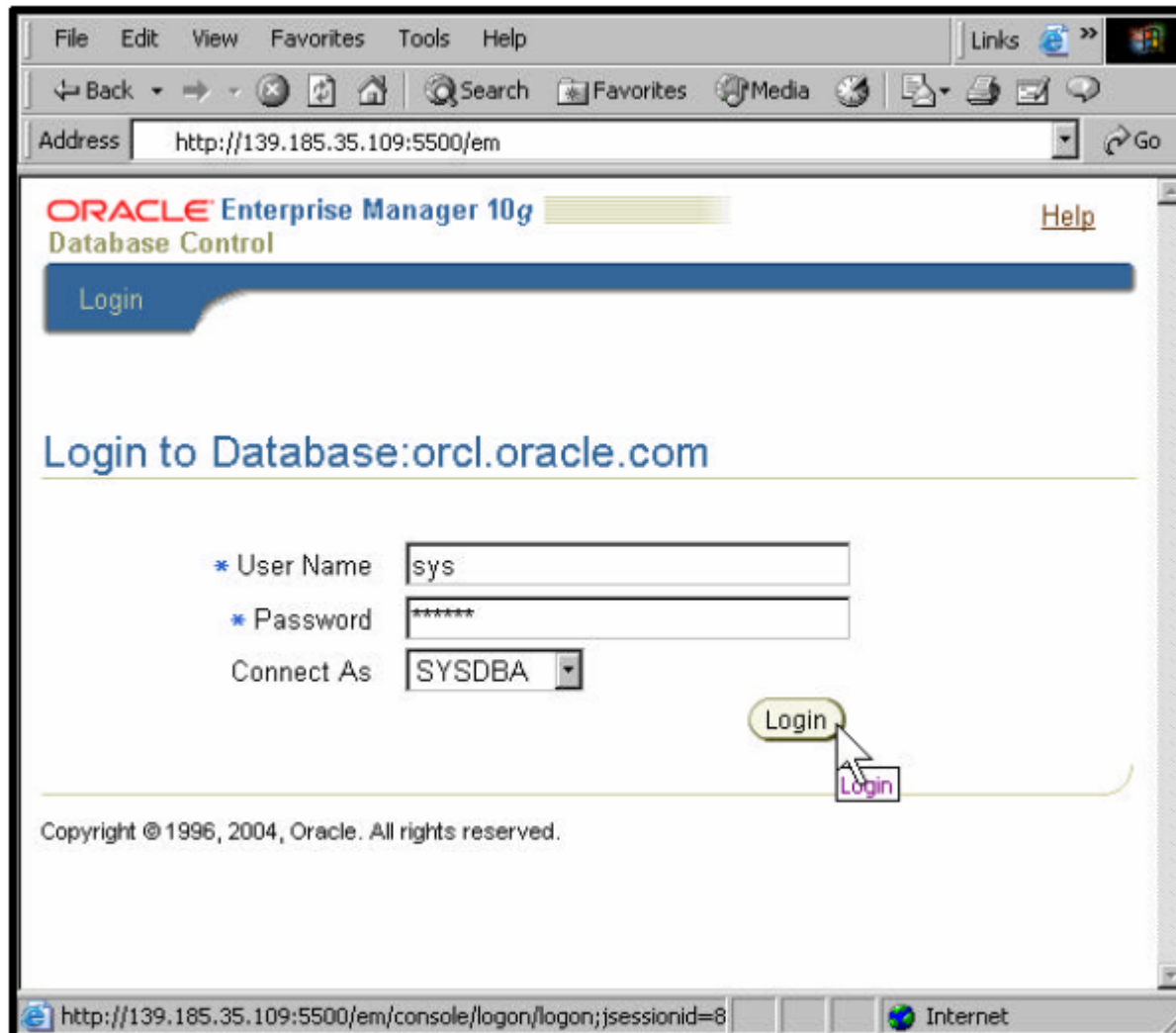Management agent   -or-   Database Control   Listener

Management interface
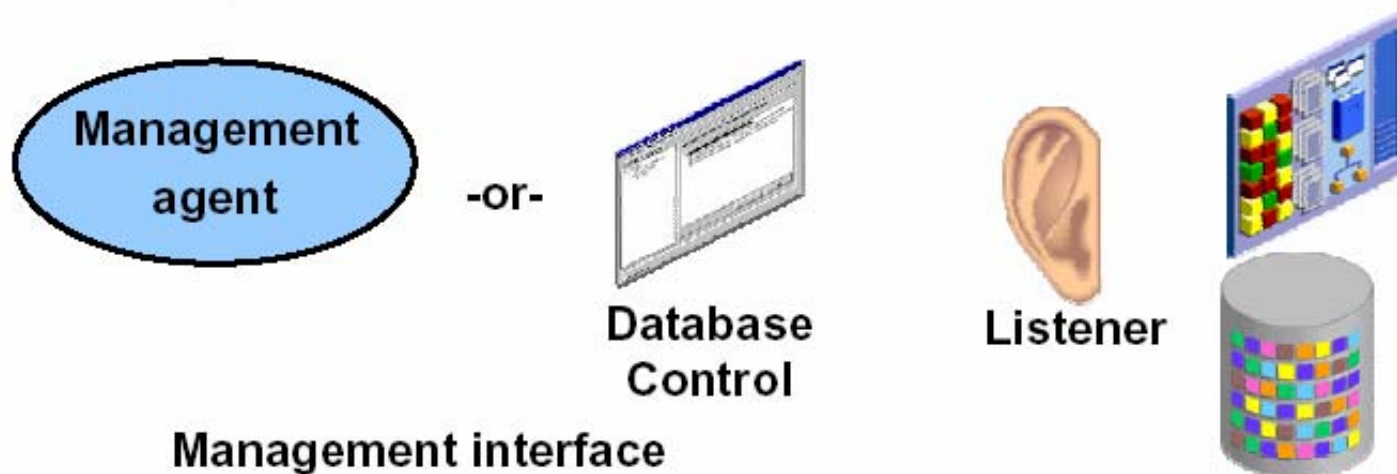
Start dan Stop Database Control

```
$ emctl start dbconsole
TZ set to US/Pacific
Oracle Enterprise Manager 10g Database Control Release 10.1.0.2.0
Copyright (c) 1996, 2004 Oracle Corporation.  All rights reserved.
http://edrsr9p1.us.oracle.com:5500/em/console/aboutApplication
Starting Oracle Enterprise Manager 10g Database Control
..................... started.
------------------------------------------------------------
Logs are generated in directory
/u01/app/oracle/product/10.1.0/db_1/edrsr9p1.us.oracle.com_orcl/sy
sman/log
```

```
$ emctl stop dbconsole
TZ set to US/Pacific
Oracle Enterprise Manager 10g Database Control Release 10.1.0.2.0
Copyright (c) 1996, 2004 Oracle Corporation.  All rights reserved.
http://edrsr9p1.us.oracle.com:5500/em/console/aboutApplication
Stopping Oracle Enterprise Manager 10g Database Control ...
 ...  Stopped.
```

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Mengakses Database Control

SYSOPER dan SYSDBA

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Database Home Page

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Merubah Status Listener

Startup dan Shutdown

Database: orcl ► Startup/Shutdown:Specify Host and Target Database Credentials

Startup/Shutdown:Specify Host and Target Database Credentials

Specify the following credentials in order to change the status of the database.

Host Credentials

Specify the OS user name and password to login to target database

User Name oracle

Password ******

Database Credentials

Specify the credentials for the target database.
To use OS authentication, leave the user name and password fields blank.

User Name sys

Password ******

Role SYSDBA

ⓘ Note that you need to login to the database as SYSDBA or SYSOPER in order to change the status of the database.

Database | Setup | Preferences | Help | Logout

Startup/Shutdown:Confirmation

Current Status **shutdown**

Operation **startup database in open mode**

Initialization Parameter **default**

Are you sure you want to perform this operation?

Show SQL | Advanced Options | No | Yes

Click Advanced Options to select startup options and shutdown mode
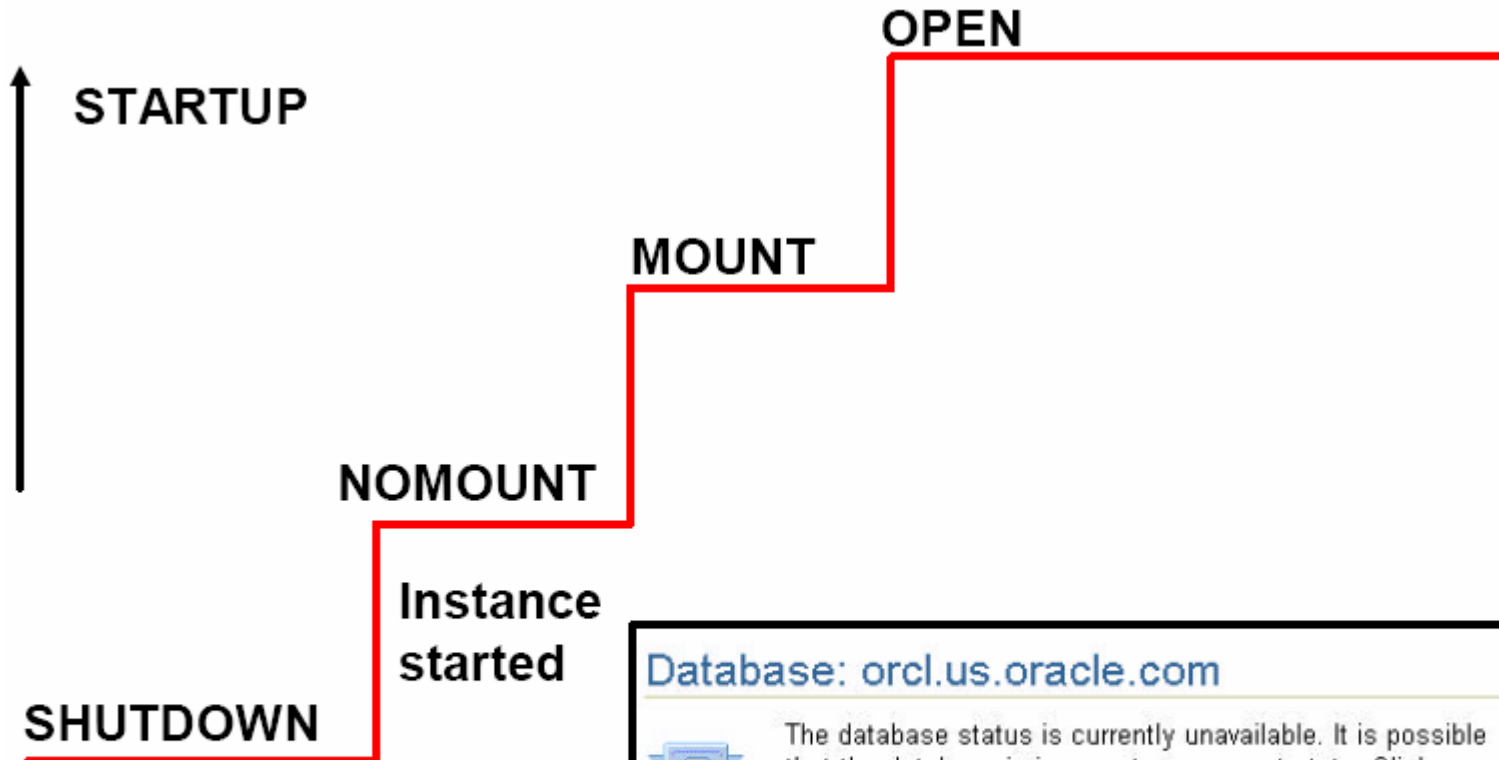

Startup/Shutdown:Confirmation

Current Status **open**

Operation **shutdown immediate**

Are you sure you want to perform this operation?

Show SQL | Advanced Options | No | Yes
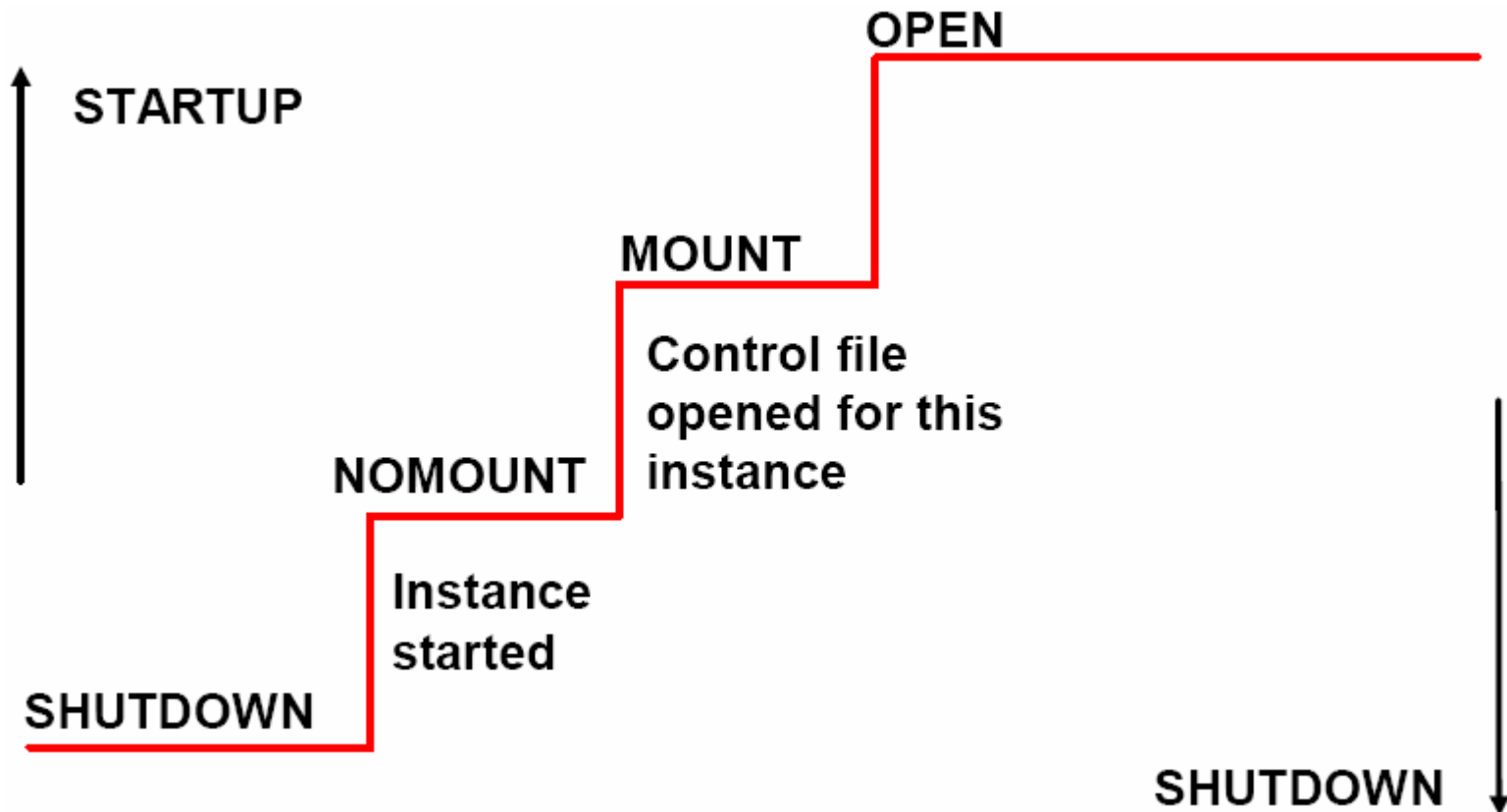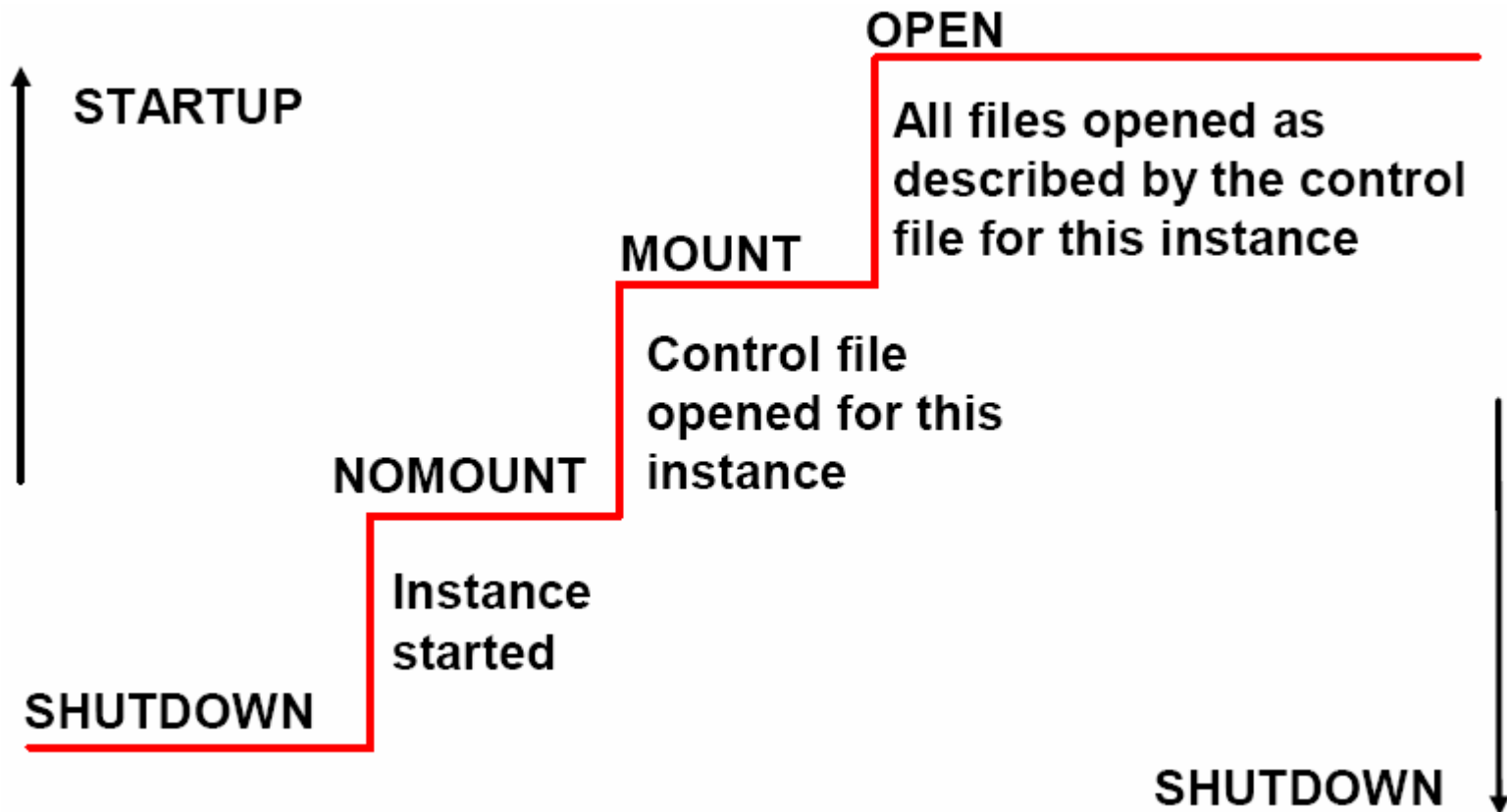
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Start Up Database - NOMOUNT

Start Up Database - `MOUNT`

STARTUP

OPEN

MOUNT

Control file opened for this instance

NOMOUNT

Instance started

SHUTDOWN

SHUTDOWN

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Start Up Database - `OPEN`

Me-Shutdown di database

Mode Shutdown	A	I	T	N
Mengijinkan koneksi baru	No	No	No	No
Menunggu sampai *current session* selesai	No	No	No	Yes
Menunggu sampai *current transaction* selesai	No	No	Yes	Yes
Memaksa *Checkpoint* dan menutup file-file	No	Yes	Yes	Yes

Shutdown mode:

- A = ABORT
- I = IMMEDIATE
- T = TRANSACTIONAL
- N = NORMAL

General

Shutdown

Status **Up**
Up Since **Dec 1, 2003 11:13:35 AM**
Time Zone **PST**
Availability (%) 99.82
(Last 24 hours)
Instance Name **orcl**
Version **10.1.0.2.0**
Oracle Home /u01/app/oracle/product/10.1.0
Listener LISTENER_EDCDR33P1
Host EDCDR33P1

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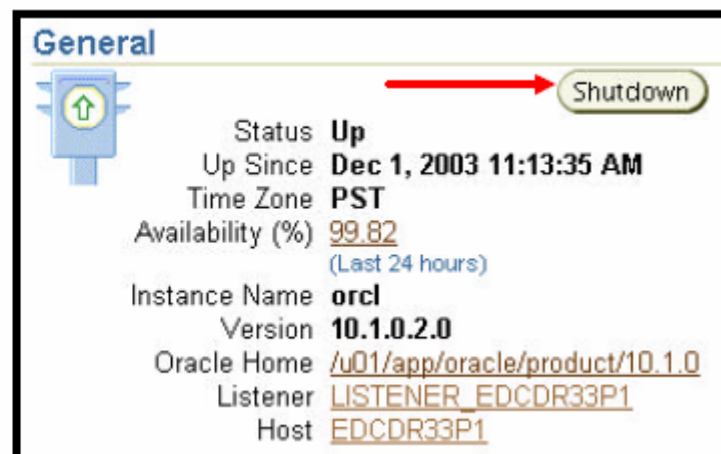
Opsi-opsi Shutdown

Ketika:

Pada proses Down:

- Database Buffer Cache ditulis ke Data File
- Data yang belum di-commit di roll-back
- Resources dilepas

`SHUTDOWN`

`NORMAL`

or

`SHUTDOWN`

`TRANSACTIONAL`

or

`SHUTDOWN`

`IMMEDIATE`

Pada proses Up:

- Tidak memerlukan *Instance Recovery*

Consistent database
(clean database)

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Opsi-opsi Shutdown

Ketika:

Pada proses Down:

- Buffer yang sudah dimodifikasi tidak ditulis ke Data File
- Data yang belum di-commit tidak di roll-back

`SHUTDOWN`
`ABORT`
or
Instance
Failure
or
`STARTUP`
`FORCE`

Pada proses Up:

- Online Redo Log Files digunakan untuk me-reapply perubahan2.
- Undo Segments digunakan untuk me-roll back transaksi yang belum commit
- Resources dilepas

Inconsistent database
(clean database)

Initialization Parameter Files

spfiledb01.ora

Database: orcl.us.oracle.com

The database status is currently unavailable. It is possible that the database is in mount or nomount state. Click 'Startup' to obtain the current status and open the database. If the database cannot be opened, click 'Perform Recovery' to perform an appropriate recovery operation.

Startup   Perform Recovery
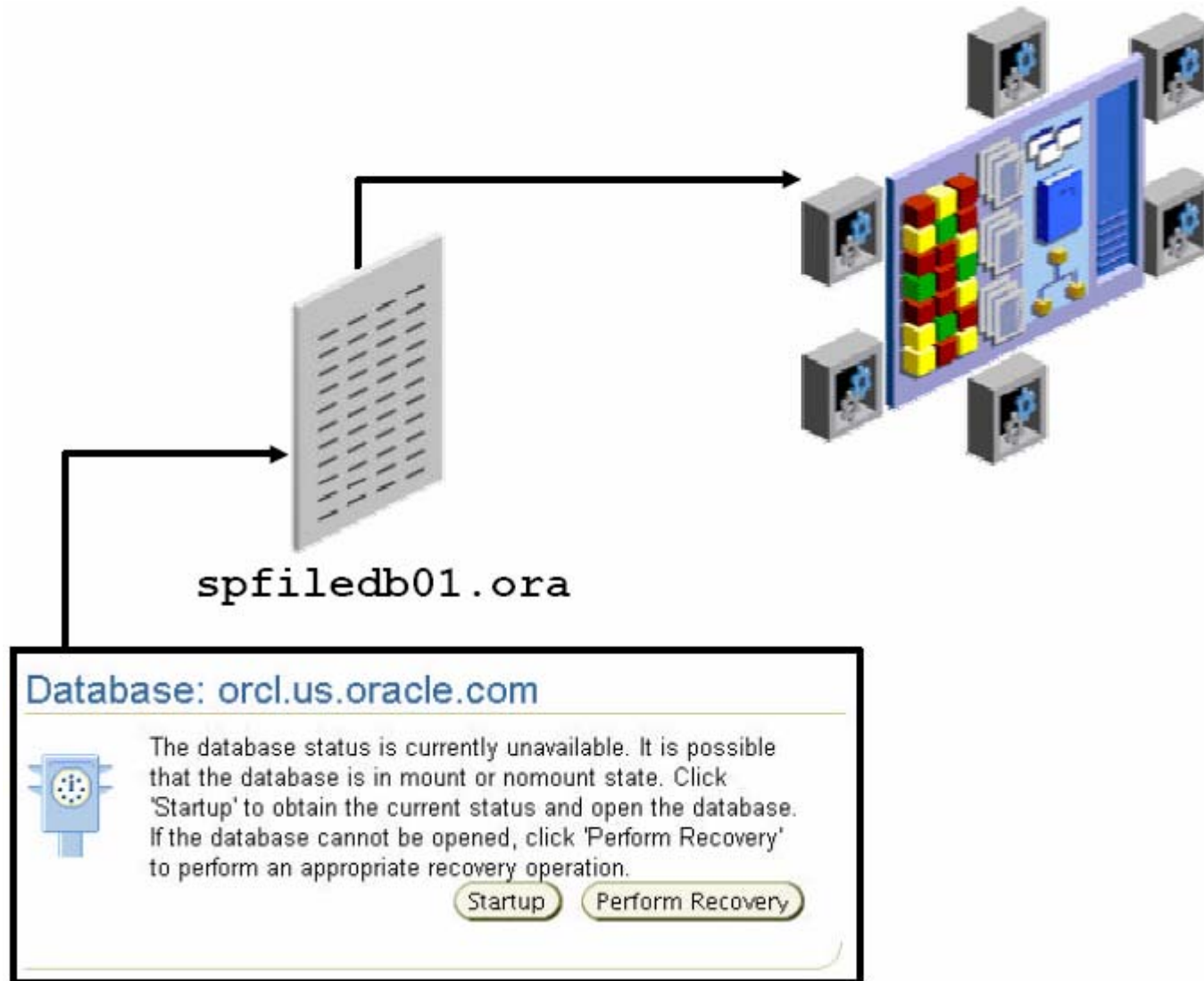
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Menampilkan Initialization Parameter

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Menampilkan Alert Log

Ringkasan

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

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