

Mengontrol Database

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ORACLE

Tujuan

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

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

Start dan Stop iSQL*Plus

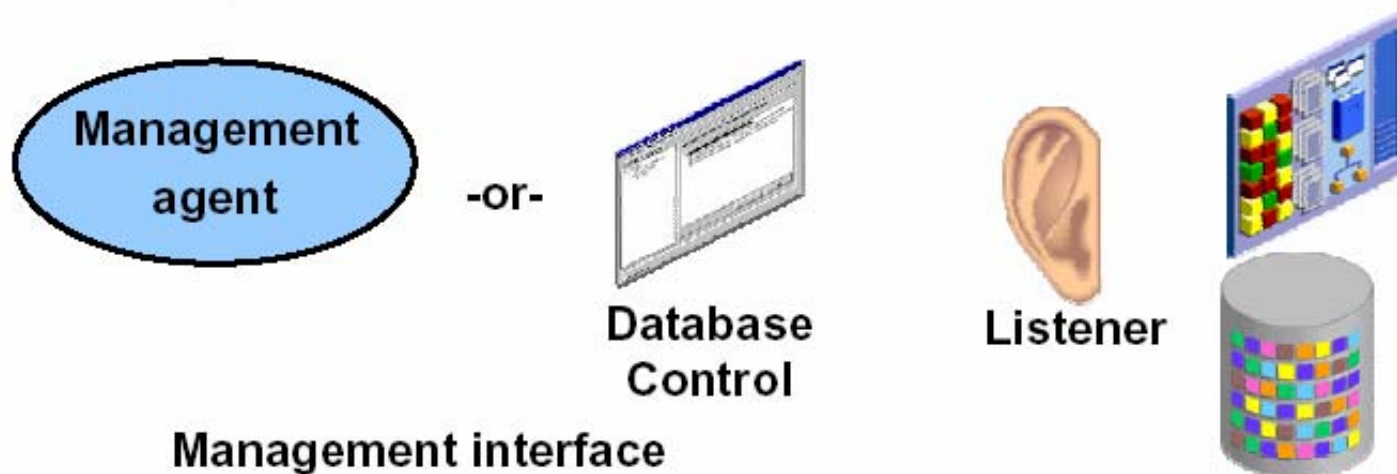
```
$ isqlplusctl start  
iSQL*Plus 10.1.0.2.0  
Copyright (c) 2004 Oracle. All rights reserved.  
Starting iSQL*Plus ...  
iSQL*Plus started.
```

```
$ 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)**

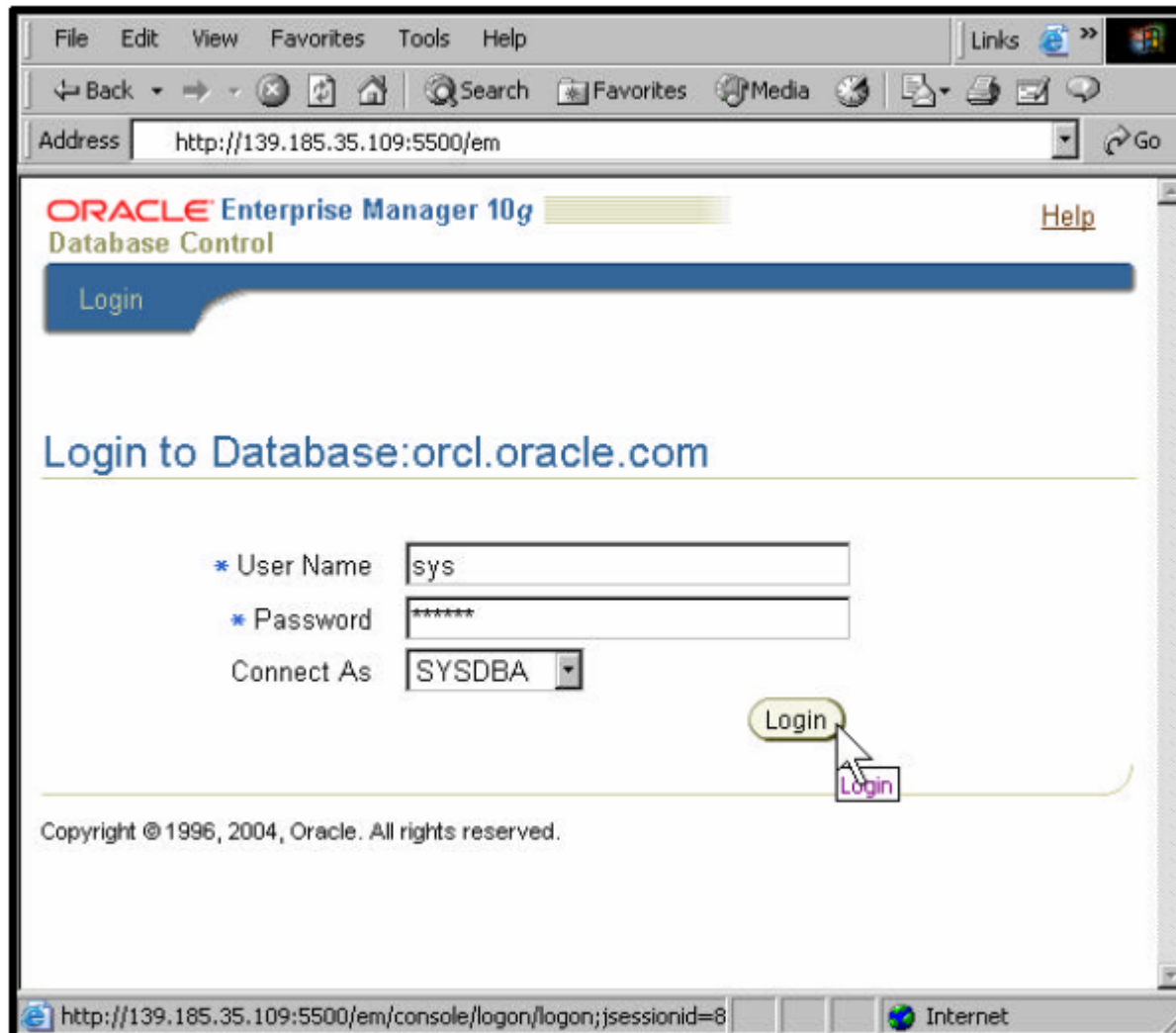


Start dan Stop Database Control

```
$ 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.
```

Mengakses Database Control



SYSOPER dan SYSDBA

Login to Database:orcl.oracle.com

* User Name

* Password

Connect As

Normal
SYSOPER
SYSDBA

Login

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Database Home Page




Merubah Status Listener

Listener: LISTENER_EDRSR9P1

Home Serviced Databases

Page Refreshed Feb 17, 2004 7:08:31 AM


General

 Status **Up**
Availability (%) **99**
(Last 24 Hours)
Alias **LISTENER**
Version **10.1.0.2.0**
Oracle Home **/u01/app/oracle/product/10.1.0/db_1**
Net Address **(ADDRESS=(PROTOCOL=TCP)(HOST=EDRSR9P1)(PORT=1521))**
LISTENER.ORA Location **/u01/app/oracle/product/10.1.0/db_1/network/admin**
Start Time **Feb 11, 2004 10:17:53 AM**
Host **edrsr9p1.us.oracle.com**

State

TNS Ping (ms) **✓ 0**
Established
Connections per minute **Unavailable**
Refused
Connections per minute **Unavailable**

Edit **Stop**



Listener: LISTENER_EDRSR9P1 > Start/Stop: LISTENER

Start/Stop: LISTENER

Current Status **Started**
Operation **Stop**

Cancel **OK**

Cancel **OK**

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

Password

Database Credentials

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

User Name

Password

Role

Note 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

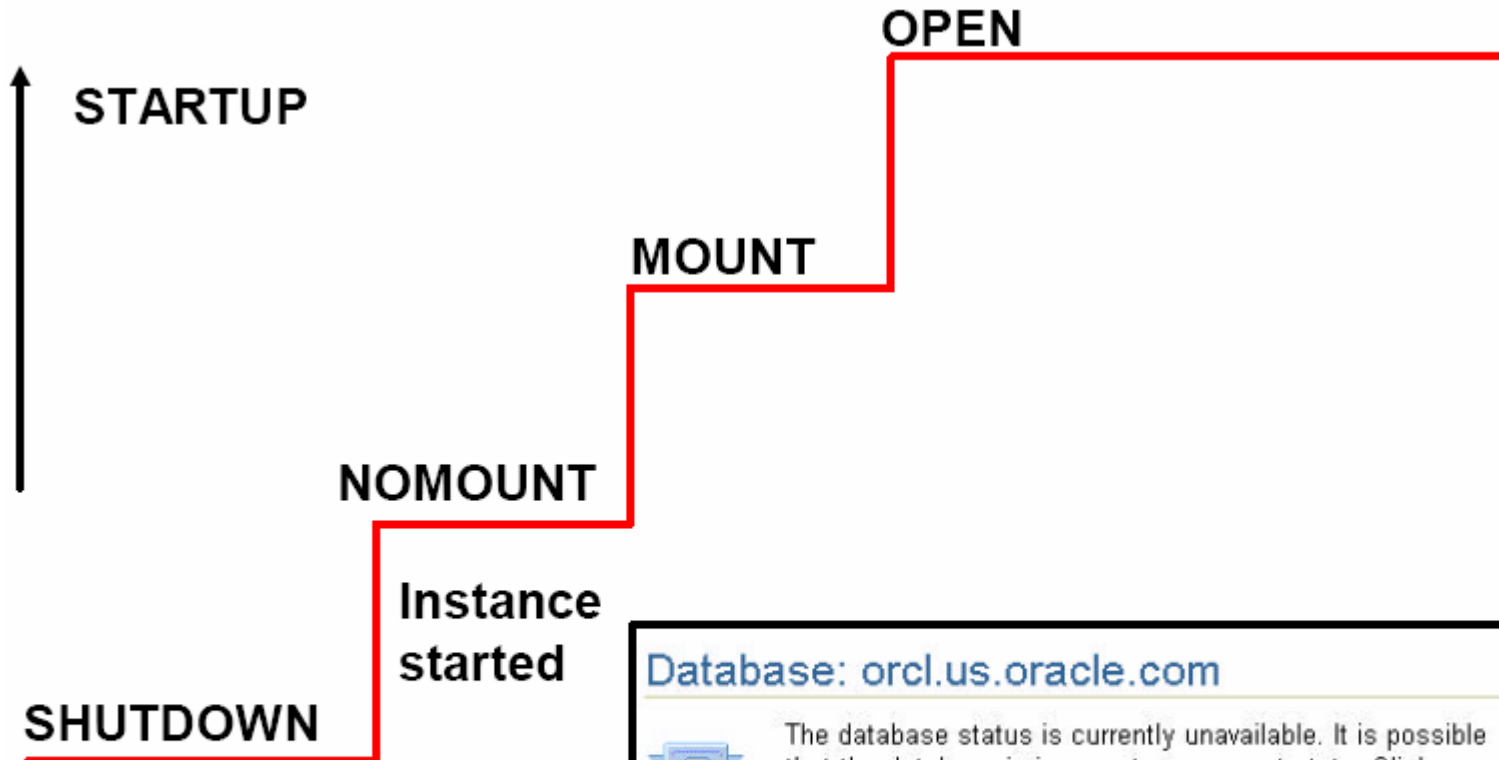
Current Status **open**

Operation **shutdown immediate**

Are you sure you want to perform this operation?

Show SQL Advanced Options No Yes

Start Up Database - NOMOUNT



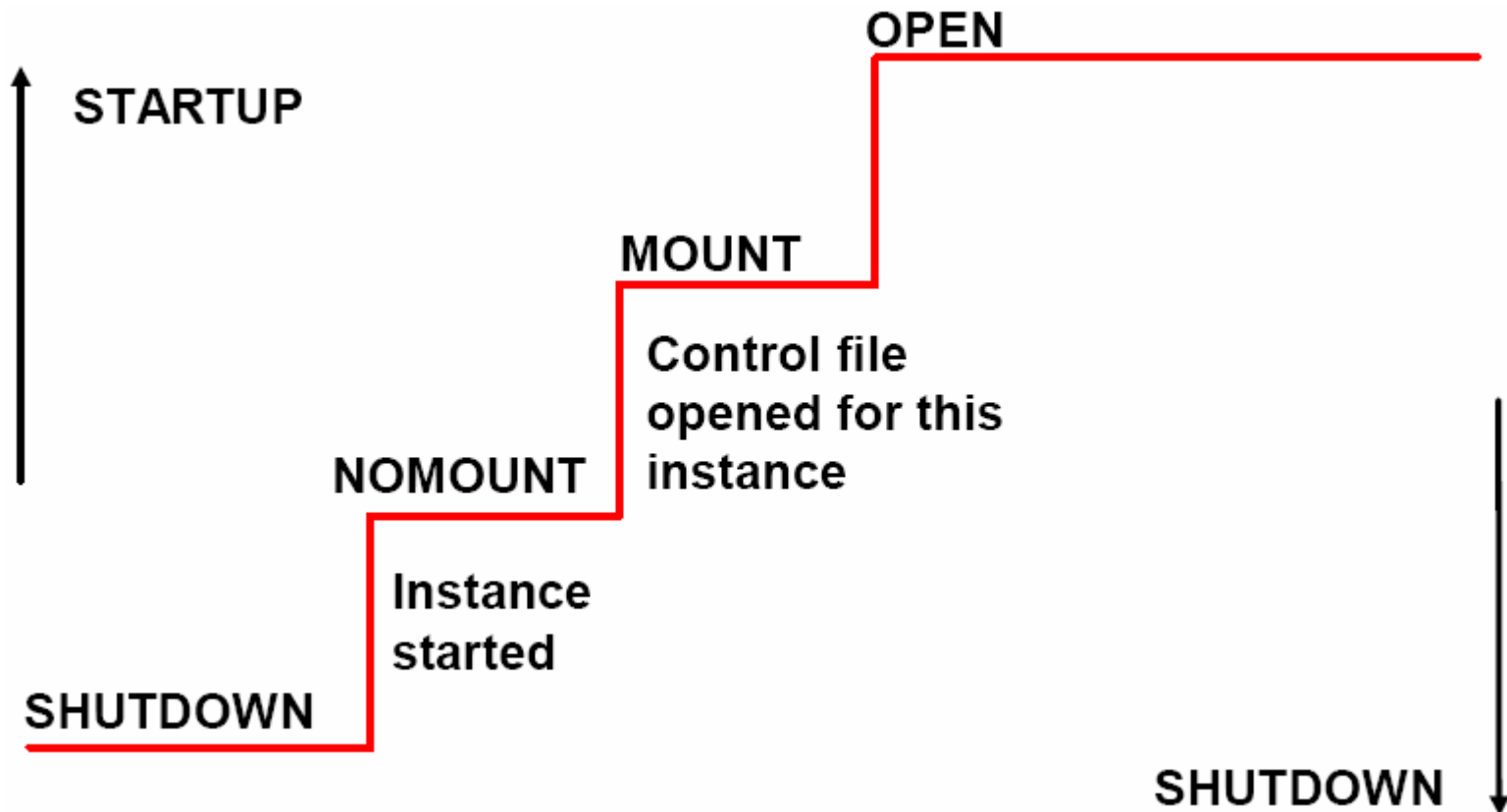
Database: orcl.us.oracle.com



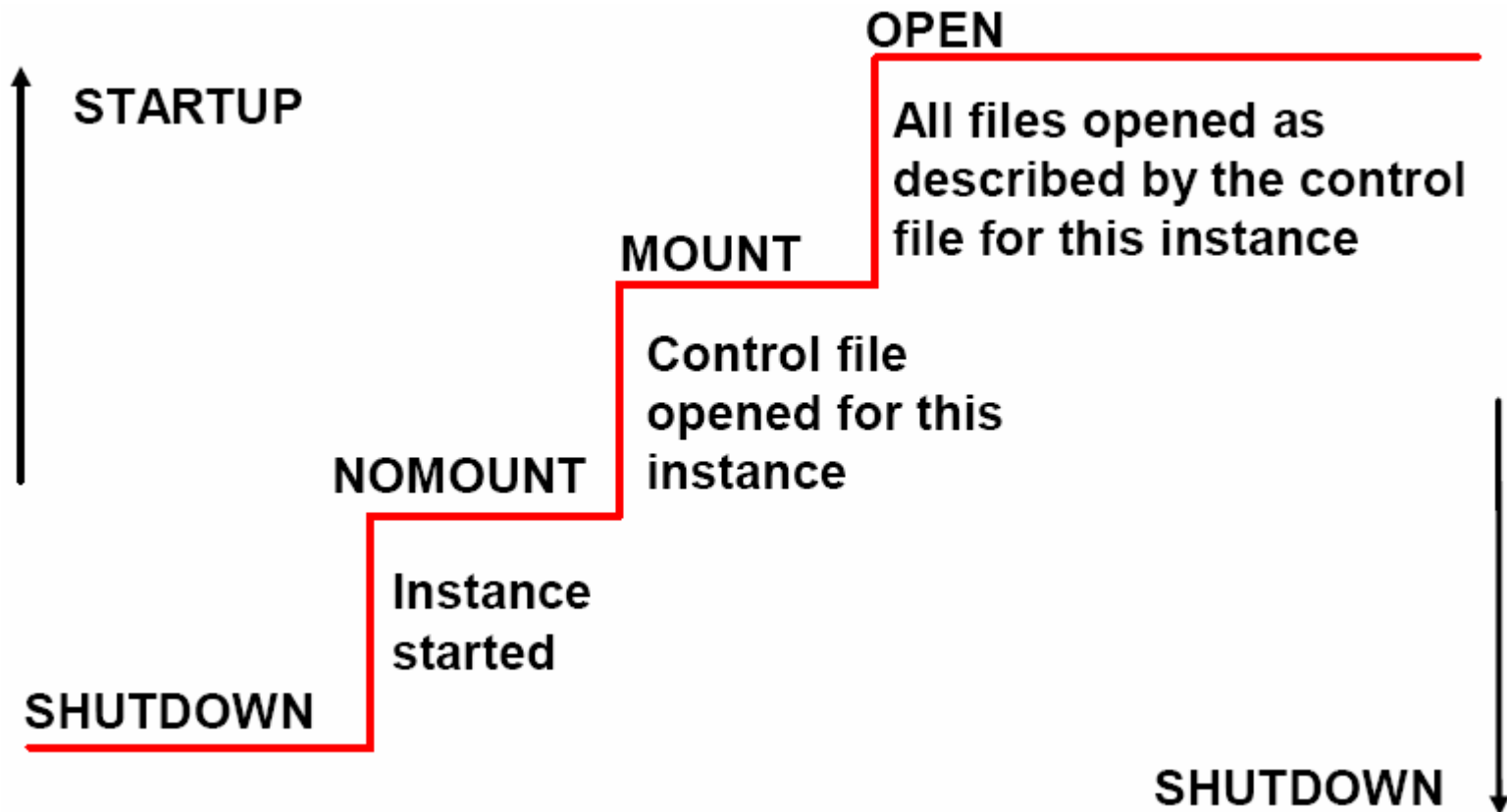
The database status is currently unavailable. It is possible that the database is in mount or nomount state. Click 'Startup' to obtain the current status and open the database. If the database cannot be opened, click 'Perform Recovery' to perform an appropriate recovery operation.

→ [Startup](#) [Perform Recovery](#)

Start Up Database - MOUNT



Start Up Database - OPEN

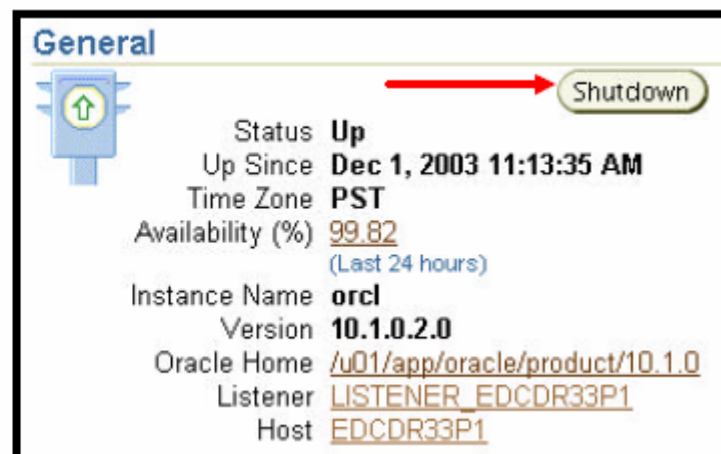


Me-Shutdown di database

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

Shutdown mode:

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



Opsi-opsi Shutdown

Pada proses Down:

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

Ketika:

SHUTDOWN
NORMAL
or
SHUTDOWN
TRANSACTIONAL
or
SHUTDOWN
IMMEDIATE

Pada proses Up:

- Tidak memerlukan *Instance Recovery*

*Consistent database
(clean database)*

Opsi-opsi Shutdown

Pada proses Down:

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

Ketika:

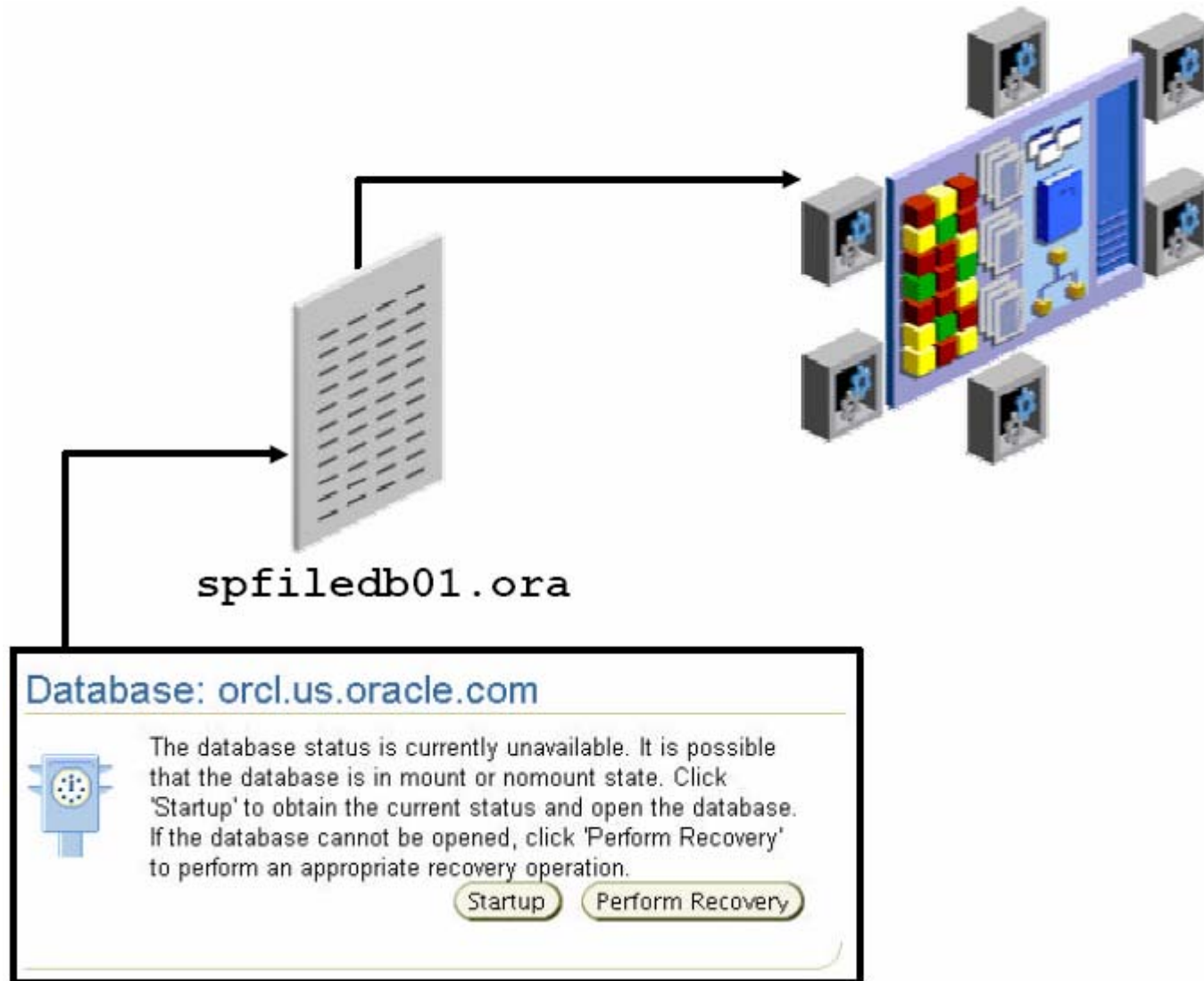
SHUTDOWN
ABORT
or
Instance
Failure
or
STARTUP
FORCE

Pada proses Up:

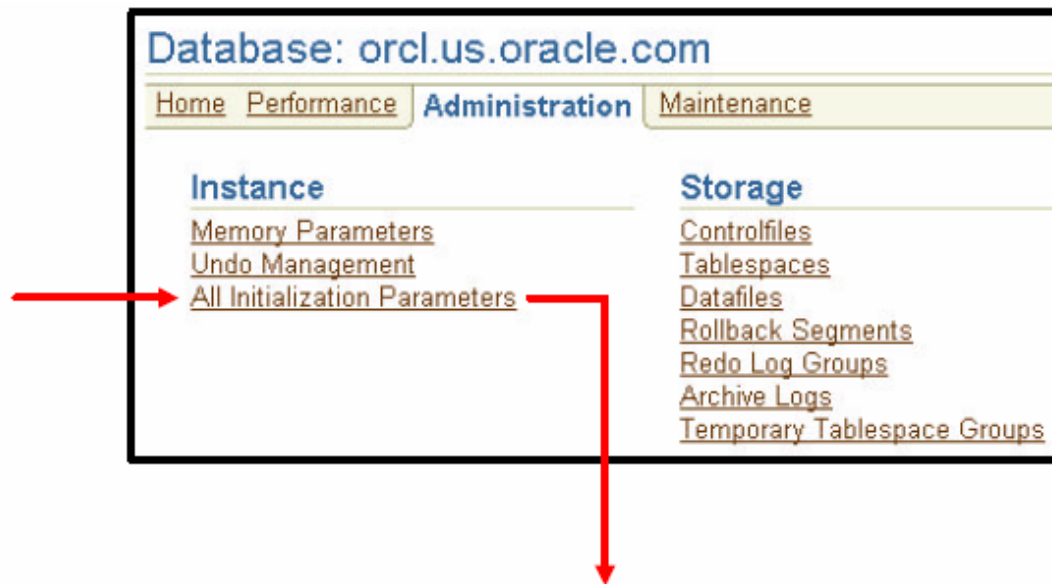
- Online Redo Log Files digunakan untuk me-reapply perubahan2.
- Undo Segments digunakan untuk me-roll back transaksi yang belum commit
- Resources dilepas

*Inconsistent database
(clean database)*

Initialization Parameter Files



Menampilkan Initialization Parameter



Database: orcl.us.oracle.com > Initialization Parameters Logged in As SYS

Initialization Parameters

Show SQL Revert Apply

Current SPFile

The parameter values listed here are currently used by the running instance(s). You can change static parameters in SPFile mode.

Filter: Go Save to File Show All

Previous 1-25 of 258 Next 25

Name	Help	Revisions	Value	Type	Basic	Default	Dynamic	Category
cluster_database	<a>?		FALSE	Boolean	✓	✓		Cluster Database
compatible	<a>?		10.1.0.1.0	String	✓			Miscellaneous
control_files	<a>?		'u01/app/oracle/oradata/orcl/control01.ctl', 'u01/app/oracle/oradata/orcl/control02.ctl', 'u01/app/oracle/oradata/orcl/control03.ctl'	String	✓			File Configuration

Menampilkan Alert Log

Related Links

Advisor Central	Alert History	Alert Log Content
All Metrics	Blackouts	iSQL*Plus
Jobs	Manage Metrics	Metric Collection Errors
Monitoring Configuration	User-Defined Metrics	

Database | [Setup](#) | [Preferences](#) | [Help](#) | [Logout](#)

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[About Oracle Enterprise Manager 10g Database Control](#)

Database: [orcl](#) > Most Recent Alert Log Entries

Most Recent Alert Log Entries

Page Refreshed Jan 5, 2004 12:36:34 PM

This shows the last 100,000 bytes of the alert log. The log is constantly growing, so select the browser's Refresh button to see the most recent log entries.

Number of Lines Displayed **249**

```
alter database rename global_name to "orcl"
Completed: alter database rename global_name to "orcl"
Mon Jan  5 12:16:53 2004
ALTER TABLESPACE TEMP ADD TEMPFILE 'u01/app/oracle/oradata/orcl/temp01.dbf' SIZE 20480K F
Mon Jan  5 12:16:53 2004
Setting default datafile format ID for platform 0
Mon Jan  5 12:16:53 2004
Completed: ALTER TABLESPACE TEMP ADD TEMPFILE 'u01/app/oracl
Mon Jan  5 12:16:53 2004
ALTER DATABASE DEFAULT TABLESPACE "USERS"
```

Ringkasan

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

- Start dan stop di *iSQL*Plus*
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- Start dan stop Oracle Listener
- Start up dan shutdown Oracle Database 10g