

AEBD

Mestrado Integrado em Engenharia Informática

<https://hpeixoto.me/class/aebd>

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AEBD

PL07 - Enterprise Manager Console

Sumário

 Monitorização da Base de Dados

 Oracle EM Database Express

 Oracle SQL Developer

 Ficha de Exercícios

🔍 Monitorização da Base de Dados

O que vai ser monitorizado:

Tablespaces

Datafiles

Utilizadores

Sessões

IO

Memória

CPU

Oracle Enterprise Manager

Como definir as portas de entrada na CDB:

Aceder à ROOT\$CDB:

```
[containerid/ ]$ sqlplus sys/Oradoc_db1 as sysdba
```

```
SQL> show con_name
```

```
SQL> select DBMS_XDB_CONFIG.GETHTTPSPORT() from dual;
```

Caso o resultado devolvido seja 0 deve ser executado:

```
SQL> exec DBMS_XDB_CONFIG.SETHTTPSPORT(5500);
```

Oracle Enterprise Manager

Como definir as portas de entrada nas PDB:

Aceder à ROOT\$CDB:

```
[containerid/ ]$ sqlplus sys/Oradoc_db1 as sysdba
```

Saltar para a PDB:

```
SQL> alter session set container=ORCLPDB1;
```

```
SQL> select DBMS_XDB_CONFIG.GETHTTPSPORT() from dual;
```

Caso o resultado devolvido seja 0 deve ser executado:

```
SQL> exec DBMS_XDB_CONFIG.SETHTTPSPORT(5501);
```

Atenção: Definir diferentes portas na gama 5500-5510 para as diferentes PDB. Alterar o VirtualBox!

Oracle Enterprise Manager

<https://127.0.0.1:5500/em> (CDB)

<https://127.0.0.1:5501/em> (ORCLPDB1)

Oracle Enterprise Manager

Chrome Settings:

Aceder a: `chrome://flags`

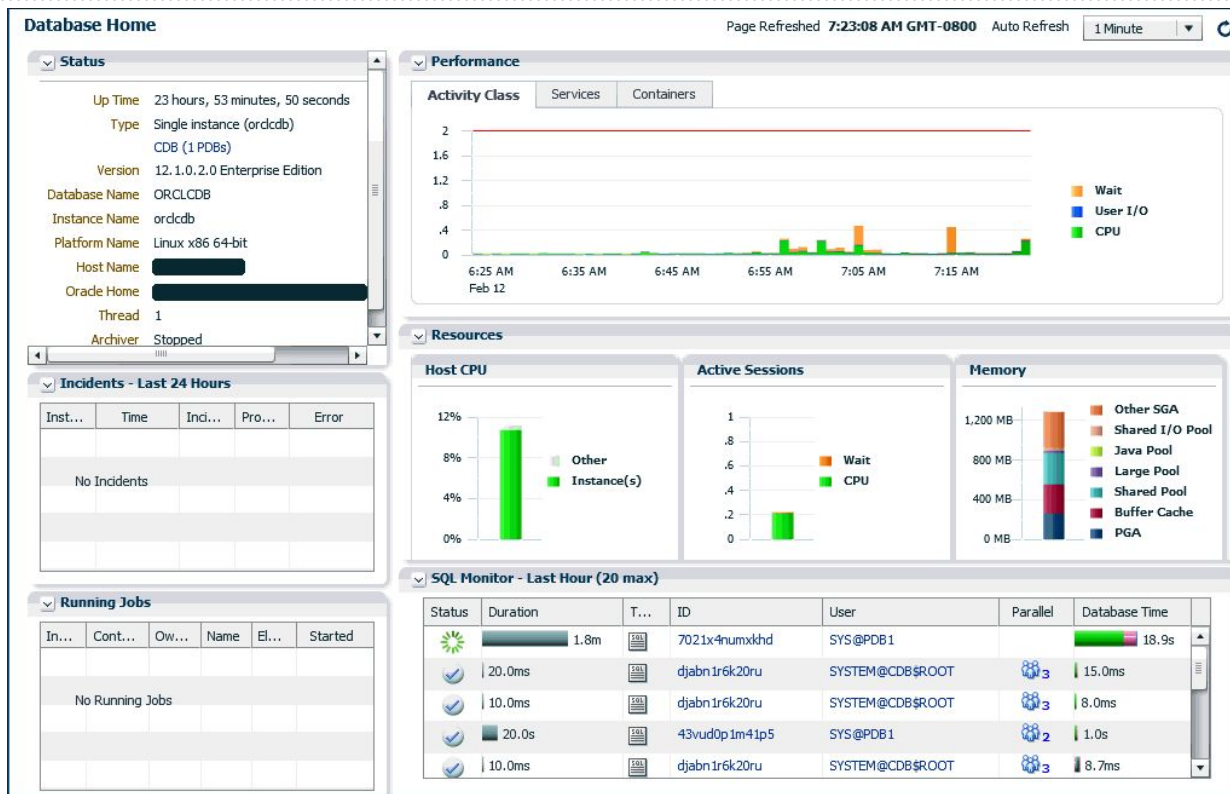
Procurar por SameSite

Desabilitar as seguintes configurações:

- "SameSite by default cookies"

- "Cookies without SameSite must be secure"

Oracle Enterprise Manager

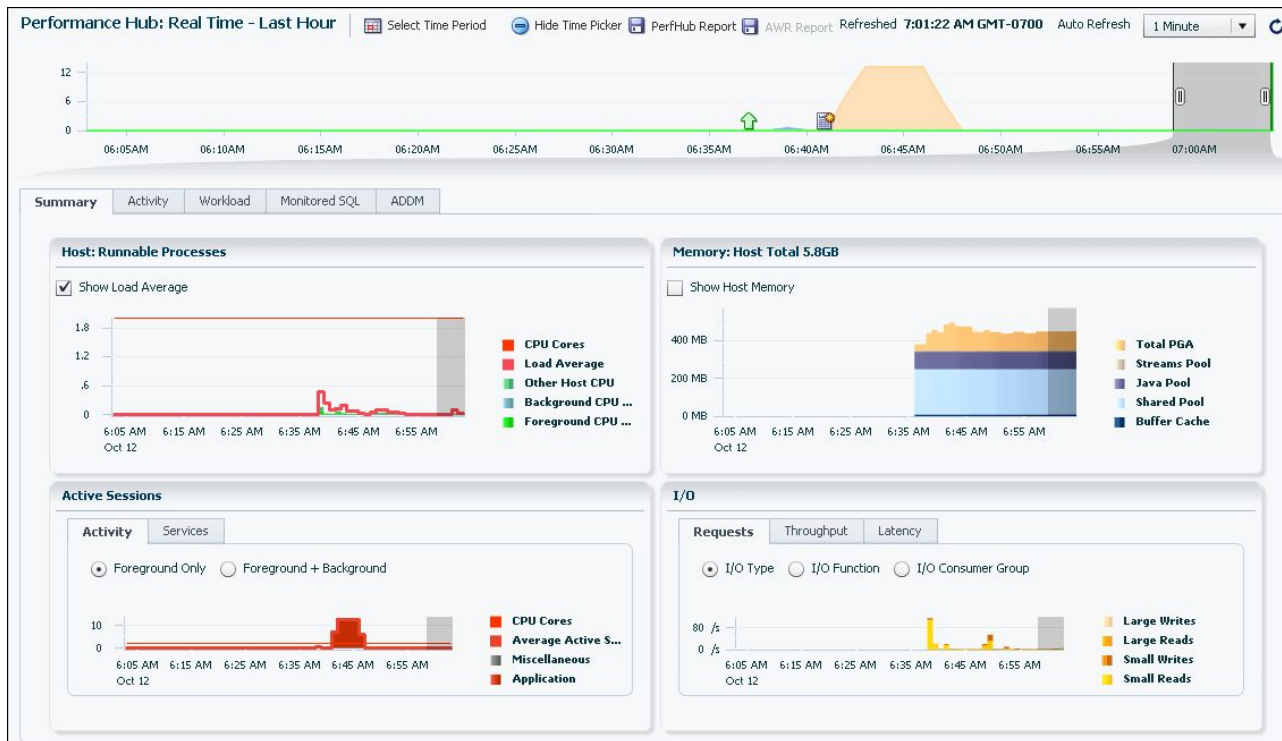




Oracle Enterprise Manager



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Oracle Enterprise Manager



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Oracle Enterprise Manager Database Express 12c

ORCL12C / ORCL (12.2.0.1.0) Configuration Storage Security Performance

Tablespaces
Container: ORCL

Page Refreshed 3:44

Name	Size	Free Space	Used (%)	Auto Ext...	Maximum Size	Status	Type	Group Name	Auto Seg...	Directory
APEX_1941389856444596	8MB	899KB	88.4	✓	25MB	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
EADB_TABLES	500MB	328MB	34.4	✓	500MB	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
EADB_TEMP	300MB	299MB	1.3	✓	300MB	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
SYSAUX	1GB	61MB	94.8	✓	Unlimited	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
SYSTEM	350MB	4MB	99	✓	Unlimited	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
TEMP	64MB	62MB	3.1	✓	Unlimited	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
UNDOTBS1	380MB	281MB	26.2	✓	Unlimited	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/
USERS	76MB	3MB	96.1	✓	Unlimited	●	File		✓	ju01/app/oracle/oradata/orcl12c/orcl/



Oracle Enterprise Manager



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Oracle Enterprise Manager Database Express 12c

ORCL12C / ORCL (12.2.0.1.0) Configuration Storage Security Performance

Users
Container: ORCL

Page Refreshed 4:00:01 PM GMT

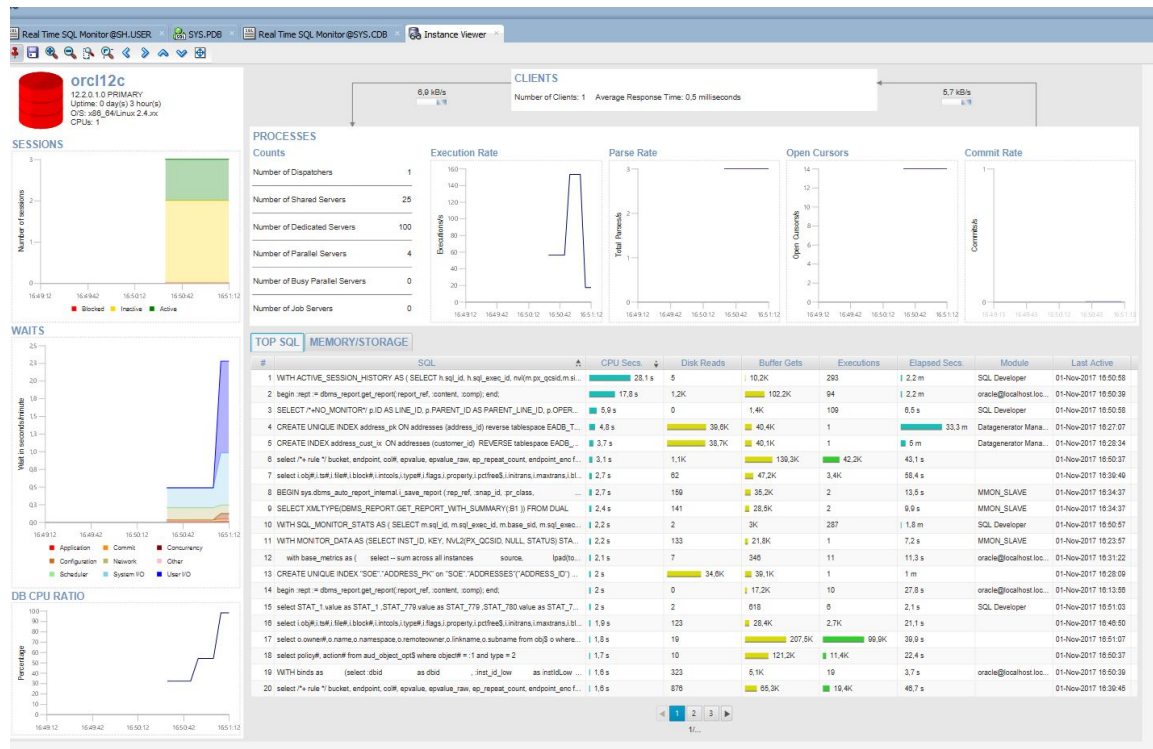
Name	Account Status	Common	Expiration Date	Default Tablespace	Temporary Tablespace	Profile	Created
ANONYMOUS	✓	✓		SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:45:13 PM
APEX_050100	✓			SYSAUX	TEMP	DEFAULT	Mon Jun 12, 2017 3:59:07 PM
APEX_INSTANCE_ADMIN_USER	✓		Mon Jun 12, 2017 4:05:56 PM	USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:05:56 PM
APEX_LISTENER	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:21:31 PM
APEX_PUBLIC_USER	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 3:59:06 PM
APEX_REST_PUBLIC_USER	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:21:31 PM
APPOCSYS	✓	✓	Thu Jan 26, 2017 2:43:31 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:43:31 PM
AUDSYS	✓	✓	Thu Jan 26, 2017 1:53:26 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 1:53:26 PM
CTXSYS	✓	✓	Mon Jun 12, 2017 3:47:49 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:57:01 PM
DBJSDN	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:45:19 PM
DEFPWUSER	✓	✓	Thu Jan 26, 2017 2:32:33 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:32:33 PM
DESNMP	✓	✓	Thu Jan 26, 2017 2:43:30 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:43:30 PM
DIP	✓	✓	Thu Jan 26, 2017 2:31:42 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 2:31:42 PM
DVF	✓	✓	Thu Jan 26, 2017 3:27:29 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 3:26:44 PM
DVSY	✓	✓	Thu Jan 26, 2017 3:27:03 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 3:26:44 PM
EAD6	✓			EAD6_TABLES	EAD6_TEMP	DEFAULT	Sat Oct 21, 2017 11:33:41 AM
FLOWIS_FILES	✓			SYSAUX	TEMP	DEFAULT	Mon Jun 12, 2017 3:59:06 PM
GGSYS	✓	✓	Thu Jan 26, 2017 2:43:42 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:43:42 PM
GSMADMIN_INTERNAL	✓	✓	Thu Jan 26, 2017 2:31:25 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:31:25 PM
GSMCATUSER	✓	✓	Thu Jan 26, 2017 2:43:38 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 2:43:38 PM
GSMUSER	✓	✓	Thu Jan 26, 2017 2:31:25 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 2:31:25 PM
HR	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:48:10 PM
HREEST	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:26:48 PM
LBACSYS	✓	✓	Thu Jan 26, 2017 3:27:29 PM	SYSTEM	TEMP	DEFAULT	Thu Jan 26, 2017 3:25:55 PM
MDDATA	✓	✓	Thu Jan 26, 2017 3:27:29 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 3:19:18 PM
MDSYS	✓	✓	Thu Jan 26, 2017 2:57:49 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:57:49 PM
MYDBA	✓			USERS	TEMP	DEFAULT	Mon Jun 12, 2017 4:27:52 PM
OBE	✓			APEX_1941389856444596	TEMP	DEFAULT	Mon Jun 12, 2017 4:48:14 PM
OJMSYS	✓	✓	Thu Jan 26, 2017 2:52:27 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 2:52:27 PM
OLAPSYS	✓	✓	Thu Jan 26, 2017 3:12:58 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 3:12:58 PM
ORACLE_OCM	✓	✓	Thu Jan 26, 2017 2:34:00 PM	USERS	TEMP	DEFAULT	Thu Jan 26, 2017 2:34:00 PM
ORDATA	✓	✓	Thu Jan 26, 2017 2:57:49 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:57:49 PM
ORDPLUGINS	✓	✓	Thu Jan 26, 2017 2:57:49 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:57:49 PM
ORDSYS	✓	✓	Thu Jan 26, 2017 2:57:49 PM	SYSAUX	TEMP	DEFAULT	Thu Jan 26, 2017 2:57:49 PM
ORDS_METADATA	✓		Mon Jun 12, 2017 4:21:48 PM	SYSAUX	TEMP	DEFAULT	Mon Jun 12, 2017 4:21:48 PM

Oracle SQL Developer









Abrir o separador DBA (View -> DBA)

Ligar usando a conexão system.

Oracle SQL Developer

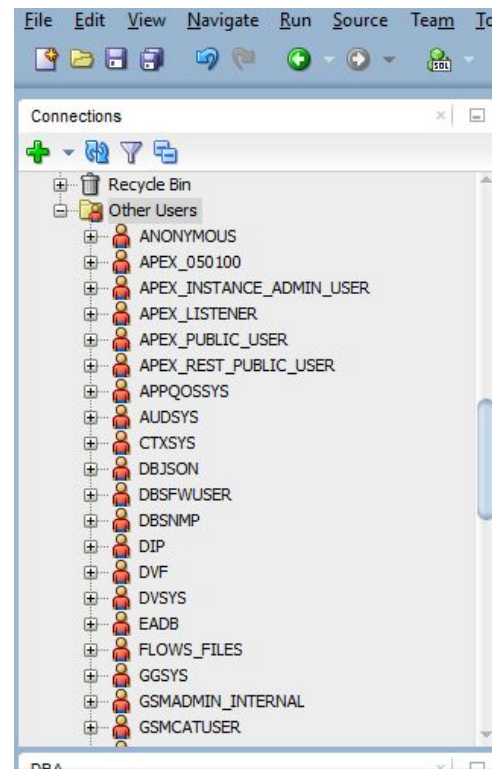


Oracle SQL Developer

File Name	Tablespace	Status	Size (MB)	Used (MB)	Used (Proportion)	Used (%)	Auto Extend
1 /u01/app/oracle/oradata/orcl12c/orcl/aedb_tables_01.dbf	EADB_TABLES	ONLINE	300.000	172.000		57.33	NO
2 /u01/app/oracle/oradata/orcl12c/orcl/aedb_temp_01.dbf	EADB_TEMP	ONLINE	300.000	0.000		0	NO
3 /u01/app/oracle/oradata/orcl12c/orcl/APEX_1941389856444596.dbf	APEX_1941389856444596	ONLINE	7.563	6.688		88.43	YES
4 /u01/app/oracle/oradata/orcl12c/orcl/sysaux01.dbf	SYSAUX	ONLINE	1170.000	1109.125		94.80	YES
5 /u01/app/oracle/oradata/orcl12c/orcl/system01.dbf	SYSTEM	SYSTEM	350.000	346.375		98.96	YES
6 /u01/app/oracle/oradata/orcl12c/orcl/temp01.dbf	TEMP	ONLINE	64.000	2.000		3	YES
7 /u01/app/oracle/oradata/orcl12c/orcl/undotbs01.dbf	UNDOTBS1	ONLINE	380.000	18.188		4.79	YES
8 /u01/app/oracle/oradata/orcl12c/orcl/users01.dbf	USERS	ONLINE	76.250	73.313		96.15	YES

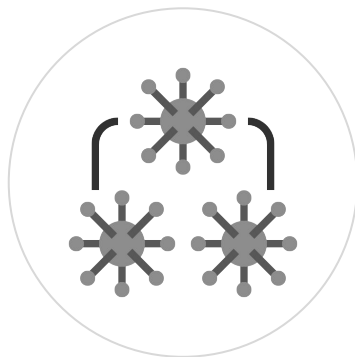
Oracle SQL Developer

USERNAME	USER_ID	CREATED	COMMON	ORACLE_MAINTAINED	INHERITED	DEFAULT_COLLATION	IMPLICIT	ALL_SHARD
1 SYS	0	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
2 AUDSYS	8	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
3 SYSTEM	9	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
4 SYSBACKUP	2147483617	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
5 SYSDG	2147483618	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
6 SYSKM	2147483619	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
7 SYSRAC	2147483620	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
8 OUTLN	13	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
9 XS\$NULL	2147483638	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
10 GSMADMIN_INTERNAL	21	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
11 GSMUSER	22	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
12 DIP	23	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
13 REMOTE_SCHEDULER_AGENT	34	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
14 DBSFUSER	35	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
15 ORACLE_OCM	39	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
16 SYS\$UMF	46	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
17 DBSNMP	54	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
18 APPQOSSYS	55	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
19 GSMCATUSER	59	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
20 GGSYS	60	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
21 XDB	62	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
22 ANONYMOUS	63	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
23 WMSYS	72	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
24 OJVMSYS	81	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
25 CTXSYS	84	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
26 ORDSYS	86	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
27 ORDDATA	87	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
28 ORDPLUGINS	88	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
29 SI_INFORMIN_SCHEMA	89	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
30 MDSYS	90	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
31 OLAPSYS	93	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO
32 MDDATA	96	26-01-2017	YES	Y	YES	USING_NLS_COMP	NO	NO



FE04 - Monitorização da BD

FE04



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