

Documentação da instalação ambiente RAC da AlphaVille.

Autor: Ebert ebertfm@gmail.com

Data: Ago/2015.

Servidores:

Servidores: brspdtc0017c e brspdtc0018c

Senhas dos usuários de S.O.:

ORACLE : oracle

GRID: oracle

Recomendamos a troca destas senhas.

Detalhes dos bancos criados no ambiente RAC

Senha dos usuários de administração dos bancos

SOA: ytresoa

ORAAUTOM: ytreauto

Localização dos *archives*:

+flash

TNSNAMES dos bancos

```
# tnsnames.ora Network Configuration File:
/u01/app/oracle/product/11.2.0/db_1/network/admin/tnsnames.ora
# Generated by Oracle configuration tools.

SOA =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP) (HOST = broradb.alphacorp.local) (PORT = 1521))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = SOA)
    )
  )

ORAAUTOM =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP) (HOST = broradb.alphacorp.local) (PORT = 1521))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = ORAAUTOM)
    )
  )
```

Configuração dos bancos:

```
[oracle@brspdtc0017c ~]$ srvctl config database -d soa
```

Database unique name: SOA

Database name: SOA

Oracle home: /u01/app/oracle/product/11.2.0/db_1

Oracle user: oracle

Spfile: +DATA/SOA/spfileSOA.ora

Domain:

Start options: open

Stop options: immediate

Database role: PRIMARY

Database instances: SOA1,SOA2

Disk Groups: DATA

Mount point paths:

Services:

Type: RAC

Database is administrator managed

```
[oracle@brspdtc0017c ~]$ srvctl config database -d oraautom
```

Database unique name: ORAAUTOM

Database name: ORAAUTOM

Oracle home: /u01/app/oracle/product/11.2.0/db_1

Oracle user: oracle

Spfile: +DATA/ORAAUTOM/spfileORAAUTOM.ora

Domain:

Start options: open

Stop options: immediate

Database role: PRIMARY

Database instances: ORAAUTOM1,ORAAUTOM2

Disk Groups: DATA

Mount point paths:

Services:

Type: RAC

Database is administrator managed

Enterprise manager dos bancos:

SOA:

<https://10.100.0.26:1158/em> (usuário SYSTEM).

The screenshot shows the Oracle Enterprise Manager 11g Database Control interface for a Cluster Database named SOA. The browser window is titled "Oracle Enterprise Manager (SYSTEM) - Cluster Database: SOA - Mozilla Firefox" and the address bar shows "https://10.100.0.26:1158/em/". The interface includes a top navigation bar with tabs for Home, Performance, Availability, Server, Schema, Data Movement, Software and Support, and Topology. The main content area displays various metrics and summaries:

- General:** Status is Up (green arrow icon). Instances: 2 (2 up, 0 down). Availability: 100% (Last 24 hours). Database Name: SOA. Version: 11.2.0.4.0. Cluster: broradb. Buttons: Shutdown, Black Out.
- Host CPU:** A bar chart showing CPU usage for Other (brown) and SOA (green). The load is 0.19.
- Active Sessions:** A bar chart showing session counts for Wait (orange), User I/O (blue), and CPU (green). The maximum CPU is 8.
- Diagnostic Summary:** Interconnect Alerts: 0 (green checkmark). ADDM Findings: No ADDM run available. Active Incidents: 0 (green checkmark). Key SQL Profiles: 0.
- Space Summary:** Database Size (GB): Unavailable. Problem Tablespace: 0. Segment Advisor: 0. Recommendations: 0. Policy Violations: 0 (green checkmark).
- High Availability:** Console: Details. Last Backup: n/a. Flashback Database Logging: Disabled.
- Alerts:** Category: All. Critical: 0. Warnings: 2 (yellow warning icon).

The bottom of the interface shows a table with columns: Severity, Target Name, Target Type, Category, Name, Impact, Message, and Alert Triggered.

ORAAUTOM :

<https://10.100.0.26:1158/em> (usuário SYSTEM).

brspdtc0017c:1 (oracle)

10.100.0.26:5901

Oracle Enterprise Manager (SYSTEM) - Cluster Database: ORAAUTOM - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Oracle Enterprise Manager ... Red Hat |

https://10.100.0.26:5500/em/ Google

Mozilla Firefox is free and open source software from the non-profit Mozilla Foundation. Know your rights

ORACLE Enterprise Manager 11g Database Control Setup Preferences Help Log

Cluster Database

Logged in As SY

Cluster Database: ORAAUTOM

Home Performance Availability Server Schema Data Movement Software and Support Topology

Latest Data Collected From Target Aug 21, 2015 11:28:46 AM BRT Refresh View Data Automatically (60 sec)

General

Shutdown Black Out

Status **Up**

Instances **2** (↑ 2)

Availability (%) **100**
(Last 24 hours)

Database Name **ORAAUTOM**

Version **11.2.0.4.0**

Cluster **broradb**
[View All Properties](#)

Host CPU

100%
75
50
25
0

Other
ORAAUTOM

Load **0.32**

Active Sessions

8
6
4
2
0

Wait
User I/O
CPU

Maximum CPU **8**

Diagnostic Summary

Interconnect Alerts **0**

ADDM Findings **No ADDM run available**

Active Incidents **0**

Key SQL Profiles **0**

Space Summary

Database Size (GB) **Unavailable**

Problem Tablespaces **0**

Segment Advisor **Details**

Recommendations

Policy Violations **0**

High Availability

Console **Details**

Last Backup **n/a**

Flashback Database Logging **Disabled**

Alerts

Category All Critical **0** Warnings **2**

Severity	Target Name	Target Type	Category	Name	Impact	Message	Alert Triggered
----------	-------------	-------------	----------	------	--------	---------	-----------------

Configuração do Cluster:

Configuração geral:

```
[root@brspdtc0017c ~]# crsctl query css votedisk
```

##	STATE	File Universal Id	File Name	Disk group
1.	ONLINE	212f2f792fe34f79bfc9ca953b45eae0	(ORCL:VOL_CL1)	[CL_FILES]
2.	ONLINE	1fbc378563374fb7bf466ab1cf9f2c3c	(ORCL:VOL_CL2)	[CL_FILES]
3.	ONLINE	475ed3c895724f0abfab63d6927afbbf	(ORCL:VOL_CL3)	[CL_FILES]

Located 3 voting disk(s).

```
[root@brspdtc0017c ~]#
```

```
[root@brspdtc0017c ~]# /etc/init.d/oracleasm listdisks
```

VOL_CL1
VOL_CL2
VOL_CL3
VOL_CL4
VOL_DATA01
VOL_DATA02
VOL_DATA03
VOL_DATA04
VOL_DATA05
VOL_DATA06
VOL_DATA07
VOL_DATA08
VOL_DATA09
VOL_FLASH01

```
[root@brspdtc0017c ~]#
```

```
[root@brspdtc0017c ~]# crsctl status res -t
```

NAME	TARGET	STATE	SERVER	STATE_DETAILS
Local Resources				

ora.CL_FILES.dg				
	ONLINE	ONLINE	brspdtc0017c	
	ONLINE	ONLINE	brspdtc0018c	
ora.LISTENER.lsnr				
	ONLINE	ONLINE	brspdtc0017c	
	ONLINE	ONLINE	brspdtc0018c	
ora.asm				
	ONLINE	ONLINE	brspdtc0017c	Started
	ONLINE	ONLINE	brspdtc0018c	Started
ora.gsd				
	OFFLINE	OFFLINE	brspdtc0017c	
	OFFLINE	OFFLINE	brspdtc0018c	
ora.net1.network				
	ONLINE	ONLINE	brspdtc0017c	
	ONLINE	ONLINE	brspdtc0018c	
ora.ons				
	ONLINE	ONLINE	brspdtc0017c	
	ONLINE	ONLINE	brspdtc0018c	
ora.registry.acfs				
	ONLINE	ONLINE	brspdtc0017c	
	ONLINE	ONLINE	brspdtc0018c	
Cluster Resources				

ora.LISTENER_SCAN1.lsnr				
1	ONLINE	ONLINE	brspdtc0018c	
ora.LISTENER_SCAN2.lsnr				
1	ONLINE	ONLINE	brspdtc0017c	
ora.LISTENER_SCAN3.lsnr				
1	ONLINE	ONLINE	brspdtc0017c	
ora.brspdtc0017c.vip				
1	ONLINE	ONLINE	brspdtc0017c	
ora.brspdtc0018c.vip				
1	ONLINE	ONLINE	brspdtc0018c	
ora.cvu				
1	ONLINE	ONLINE	brspdtc0017c	
ora.oc4j				
1	ONLINE	ONLINE	brspdtc0017c	
ora.scan1.vip				
1	ONLINE	ONLINE	brspdtc0018c	
ora.scan2.vip				
1	ONLINE	ONLINE	brspdtc0017c	
ora.scan3.vip				
1	ONLINE	ONLINE	brspdtc0017c	

```
[root@brspdtc0017c ~]#
```

Configuração nó 1:

```
[root@brspdtc0017c ~]# crsctl check crs
```

```
CRS-4638: Oracle High Availability Services is online
```

```
CRS-4537: Cluster Ready Services is online
```

```
CRS-4529: Cluster Synchronization Services is online
```

```
CRS-4533: Event Manager is online
```

```
[root@brspdtc0017c ~]# crsctl check css
```

```
CRS-4529: Cluster Synchronization Services is online
```

```
[root@brspdtc0017c ~]# ocrcheck
```

```
Status of Oracle Cluster Registry is as follows :
```

```
Version                :                3
Total space (kbytes)    :           262120
Used space (kbytes)     :             2676
Available space (kbytes):           259444
ID                      :    1074387062
Device/File Name        :    +CL_FILES
                        Device/File integrity check succeeded

                        Device/File not configured

                        Device/File not configured

                        Device/File not configured

                        Device/File not configured
```

```
Cluster registry integrity check succeeded
```

```
Logical corruption check succeeded
```

```
[root@brspdtc0017c ~]# ocrcheck -local
```

```
Status of Oracle Local Registry is as follows :
```

```
Version                :                3
Total space (kbytes)    :           262120
Used space (kbytes)     :             2528
Available space (kbytes):           259592
ID                      :    1288128078
Device/File Name        :
```

```
/u01/app/grid/product/11.2.0/grid/cdata/brspdtc0017c.olr
```

```
Device/File integrity check succeeded
```

```
Local registry integrity check succeeded
```

```
Logical corruption check succeeded
```

Configuração nó 2:

```
[root@brspdtc0018c ~]# crsctl check crs
```

```
CRS-4638: Oracle High Availability Services is online
```

```
CRS-4537: Cluster Ready Services is online
```

```
CRS-4529: Cluster Synchronization Services is online
```

```
CRS-4533: Event Manager is online
```

```
[root@brspdtc0018c ~]# crsctl check css
```

```
CRS-4529: Cluster Synchronization Services is online
```

```
[root@brspdtc0018c ~]# ocrcheck
```

```
Status of Oracle Cluster Registry is as follows :
```

```
Version                :                3
Total space (kbytes)   :           262120
Used space (kbytes)    :             2676
Available space (kbytes) :          259444
ID                     : 1074387062
Device/File Name       : +CL_FILES
                        Device/File integrity check succeeded

                        Device/File not configured

                        Device/File not configured

                        Device/File not configured

                        Device/File not configured
```

```
Cluster registry integrity check succeeded
```

```
Logical corruption check succeeded
```

```
[root@brspdtc0018c ~]# ocrcheck -local
```

```
Status of Oracle Local Registry is as follows :
```

```
Version                :                3
Total space (kbytes)   :           262120
Used space (kbytes)    :             2536
Available space (kbytes) :          259584
ID                     : 998089646
Device/File Name       :
```

```
/u01/app/grid/product/11.2.0/grid/cdata/brspdtc0018c.olr
```

```
Device/File integrity check succeeded
```

```
Local registry integrity check succeeded
```

```
Logical corruption check succeeded
```