

【OEM】 OEM 安装维护

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1.2 前言部分

1.2.1 导读和注意事项

各位技术爱好者，看完本文后，你可以掌握如下的技能，也可以学到一些其它你所不知道的知识，~O(∩_∩)O~：

- ① oem 安装和维护
- ② OEM 各种错误解决

Tips :

① 若文章代码格式有错乱，推荐使用搜狗、QQ 或 360 浏览器，也可以下载 pdf 格式的文档来查看，pdf 文档下载地址：<http://yunpan.cn/cdEQedhCs2kFz>（提取码：ed9b）

② 本篇 BLOG 中命令的输出部分需要特别关注的地方我都用灰色背景和粉红色字体来表示，比如下边的例子中，thread 1 的最大归档日志号为 33，thread 2 的最大归档日志号为 43 是需要特别关注的地方；而命令一般使用黄色背景和红色字体标注；对代码或代码输出部分的注释一般采用蓝色字体表示。

```
List of Archived Logs in backup set 11
Thrd Seq      Low SCN      Low Time      Next SCN      Next Time
-----
1      32          1621589      2015-05-29 11:09:52 1625242      2015-05-29 11:15:48
1      33          1625242      2015-05-29 11:15:48 1625293      2015-05-29 11:15:58
2      42          1613951      2015-05-29 10:41:18 1625245      2015-05-29 11:15:49
2      43          1625245      2015-05-29 11:15:49 1625253      2015-05-29 11:15:53

[ZFXADB1:root]:/>ls -l
T_XDESK_APP1_vg
rootvg
[ZFXADB1:root]:/>
00:27:22 SQL> alter tablespace idxtbs read write;

====> 2097152*512/1024/1024/1024=1G
```

本文如有错误或不完善的地方请大家多多指正，ITPUB 留言或 QQ 皆可，您的批评指正正是我写作的最大动力。

1.3 OEM 安装维护总结

我安装过几次 EM，出现过很多问题，几经周折，总结了如下的内容，实在不能解决就重新创建吧，重新创建可以解决 99%的问题，这里把需要注意的一些前提列出来：

- 1. 数据库必须使用服务器模式的，不能使用客户端模式的，客户端模式有很多文件不存在（从\$ORACLE_HOME 的 db_1 或者 client_1 也可以识别）
- 2. 数据库服务器的 ip 地址必须是静态的，不能是 dhcp 动态获取，动态获取可能导致 em 运行缓慢，还可能导致服务器 ip 地址改变等问题，也可能导致 em 启动后又自动关闭等问题
- 3. 数据库服务器的 hostname 不能随便修改，修改后 em 肯定不能用了
- 4. 安装过程中出现问题的时候认真查看日志，安装日志路径：\$ORACLE_HOME/cfgtoollogs\emca\
- 5. OEM 运行日志：\$ORACLE_HOME/\$hostname_\$oracle_sid/sysman/log

6. 建议重新创建，在 oracle 用户下：

单机：`emca -config dbcontrol db -repos recreate`

集群：`emca -config dbcontrol db -repos recreate -cluster`

若是集群环境，则在创建之前先在 grid 用户下执行如下代码：

-----sqlplus / as sysasm ASM 实例 GRID 用户下执行

SYS@+ASM1> create user asmsnmp identified by xxx;

SYS@+ASM1> grant sysdba to asmsnmp;

SYS@+ASM1> alter user asmsnmp identified by xxx;

SYS@+ASM1> alter system set remote_listener='(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=ZFXDESKDB-scan)(PORT=1521))))' sid='*';

SYS@+ASM1> alter system register;

7. 启动和关闭维护命令，oracle 用户下：export ORACLE_UNQNAME=\$DB_UNIQUE_NAME ,数据库唯一名，进程：ps -ef | grep em

启动：`emctl stop dbconsole`

关闭：`emctl stop dbconsole`

运行状态：`emctl status dbconsole`

8. Rac 集群环境在其中一个节点上安装，其他节点也可以查询，为 EM Daemon，如：

```
[ZFXDESKDB2:oracle]:/oracle>export ORACLE_UNQNAME=oraESKDB
[ZFXDESKDB2:oracle]:/oracle>emctl status dbconsole
Oracle Enterprise Manager 11g Database Control Release 11.2.0.4.0
Copyright (c) 1996, 2013 Oracle Corporation. All rights reserved.
https://ZFXDESKDB1:1158/em/console/aboutApplication
EM Daemon is running.
-----
Logs are generated in directory /oracle/app/oracle/product/11.2.0/db/zfxdeskb2_oraESKDB/sysman/log
```

1.4 OEM 简介(网络摘抄)

Oracle 10g 企业管理器(Oracle Enterprise Manager)简称 OEM，是一个基于 Java 的框架系统，该系统集成了多个组件，为用户提供了一个功能强大的图形用户界面。

1. OEM 的功能

(1) 管理完整的 Oracle 10g 环境，包括数据库、iAS 服务器、应用程序和服务。

(2) 诊断、修改和优化多个数据库。

- (3) 在多个系统上，按不同的时间间隔调度服务。
- (4) 通过网络管理数据库的约束条件。
- (5) 管理来自不同位置的多个网络节点和服务。
- (6) 和其他管理员共享任务。
- (7) 将相关的服务组合在一起，便于对任务的管理。
- (8) 启动集成的 Oracle10g 第三方工具。

2. OEM 的管理工具

- (1) 例程管理。对数据库执行以下管理操作：
 - ① 查看和编辑实例(Instance)参数值。
 - ② 管理用户会话，查看当前运行的 SQL 及其解释计划。
 - ③ 管理分布式 Internet 计算环境中没有及时解决的事务处理冲突。
 - ④ 监视需要长时间运行的操作。
 - ⑤ 通过资源计划控制处理资源。
 - ⑥ 管理已存储配置。
 - ⑦ 管理占用资源数量最多的锁和会话。

OEM 的管理工具

- (2) 方案管理。使用方案管理器来管理方案对象，如表、索引、视图和触发器等。利用它可以实现下列功能：
 - ① 创建方案对象。
 - ② 修改方案对象。
 - ③ 删除方案对象。
 - ④ 显示方案对象的相关性。
- (3) 安全管理。DBA 使用安全管理器可以完成以下操作：
 - ① 创建用户、角色和概要文件。

② 修改用户、角色和概要文件。

③ 删除用户、角色和概要文件。

④ 向数据库用户授予权限和角色。

2. OEM 的管理工具

(4) 存储管理。使用存储管理器可管理表空间、回滚段、数据文件和重做日

志等存储对象。利用它可以进行以下操作：

① 创建存储对象。

② 将数据文件和回滚段添加到表空间中。

③ 删除存储对象。

④ 将对象脱机或联机。

⑤ 显示对象的相关性。

1.5 OEM 命令(网络摘抄)

创建一个 EM 资料库

```
emca -repos create
```

重建一个 EM 资料库

```
emca -repos recreate
```

删除一个 EM 资料库

```
emca -repos drop
```

配置数据库的 Database Control

```
emca -config dbcontrol db
```

删除数据库的 Database Control 配置

```
emca -deconfig dbcontrol db
```

重新配置 db control 的端口，默认端口在 1158

emca -reconfig ports

emca -reconfig ports -dbcontrol_http_port 1160

emca -reconfig ports -agent_port 3940

注：查看端口号可查如下路径。<oracle_Home/install/portlist.ini>

配置 dbconsole 的步骤

emca -repos create

emca -config dbcontrol db

emctl start dbconsole

重新配置 dbconsole 的步骤

emca -repos drop

emca -repos create

emca -config dbcontrol db

emctl start dbconsole

emctl start dbconsole -----启动控制台服务

emctl stop dbconsole -----关闭控制台服务

emctl status dbconsole -----查看控制台服务状态

命令如下：

emca -config dbcontrol db -repos recreate ---建议重新创建

emca -config dbcontrol db -repos create

emca -repos drop

emca -deconfig dbcontrol db

drop user sysman cascade;

drop role MGMT_USER;

drop user MGMT_VIEW cascade;

1.6 启动 OEM

先设置 ORACLE_SID 环境变量后，停止 EM console 服务

```
emctl stop dbconsole
```

先设置 ORACLE_SID 环境变量后，查看 EM console 服务的状态

```
emctl status dbconsole
```

```
[oracle@rhel_linux_asm ~]$ emctl status dbconsole
```

```
Oracle Enterprise Manager 11g Database Control Release 11.2.0.1.0
```

```
Copyright (c) 1996, 2009 Oracle Corporation. All rights reserved.
```

```
http://192.168.128.131:1158/em/console/aboutApplication
```

```
Oracle Enterprise Manager 11g is not running.
```

```
Logs are generated in directory /u01/app/oracle/product/11.2.0/dbhome_1/192.168.128.131_orclasm/sysman/log
```

```
[oracle@rhel_linux_asm ~]$
```

先设置 ORACLE_SID 环境变量后，启动 EM console 服务

```
emctl start dbconsole
```

```
[oracle@rhel_linux_asm ~]$ emctl start dbconsole
```

```
Oracle Enterprise Manager 11g Database Control Release 11.2.0.1.0
```

```
Copyright (c) 1996, 2009 Oracle Corporation. All rights reserved.
```

```
http://192.168.128.131:1158/em/console/aboutApplication
```

```
Starting Oracle Enterprise Manager 11g Database Control ..... started.
```

```
Logs are generated in directory /u01/app/oracle/product/11.2.0/dbhome_1/192.168.128.131_orclasm/sysman/log
```

```
[oracle@rhel_linux_asm ~]$
```

访问浏览器：<http://192.168.128.131:1158/em/>

数据库实例： orclasm

Enterprise Manager 无法连接到数据库实例。下面列出了组件的状态。

页刷新 2014-4-26 上午10时27分40秒 PDT 刷新

数据库实例

主机 192.168.128.131

端口 1521

SID orclasm

Oracle 主目录 /u01/app/oracle/product/11.2.0/dbhome_1

启动 执行恢复

监听程序

状态 关闭

主机 192.168.128.131

端口 1521

名称 LISTENER

Oracle 主目录 /u01/app/oracle/product/11.2.0/dbhome_1

位置 /u01/app/oracle/product/11.2.0/dbhome_1/network/admin

详细资料 TNS-12541: TNS: 无监听程序

启动监听程序

到实例的代理连接

状态 失败

详细资料 ORA-12541: TNS: 无监听程序 (DBD ERROR: OCIServerAttach)

相关链接

这个说明监听没有启动

1.7 其他问题解决(网络摘抄+个人案例)

1.7.1 Environment variable ORACLE_SID not defined.

1、打开 cmd，输入 **emctl start dbconsole**

将会有错误信息提示，如果没有设置 ORACLE_SID 则提示

Environment variable ORACLE_SID not defined. Please define it.

(设置 ORACLE_SID：打开 cmd，输入 set ORACLE_SID=orcl (实例名)，即可)

1.7.2 oc4j configuration issue--hostname 变动了

解决方案：

1. EM Configuration issue. c:\app\Administrator\product\11.2.0\dbhome_1\lhr_Oracle_unqname not found.

办法：set oracle_unqname=\$oracle_sid

2. OC4JConfigurationissue.c:\app\Administrator\product\11.2.0\dbhome_1\oc4j\j2ee\OC4J_DBCConsole_lhr_Oracle_sid not found.

办法：set oracle_sid=orcl

3. OC4JConfigurationissue.c:\app\Administrator\product\11.2.0\dbhome_1\oc4j\j2ee\OC4J_DBCConsole_mcfg.sandai.net_orcl not found.

4. Environment variable ORACLE_UNQNAME not defined. Please set ORACLE_UNQNAME to database unique name

解决方法：

在启动的时候先设置一下： set oracle_unqname=\$ORACLE_SID

1. 7. 3 OC4J Configuration issue. /u01/app/oracle/product/11.2.0/dbhome_1/oc4j/j2ee/OC4J_DBConsole_192.168.128.134_orclasm not found.

重建 oem 吧，可能你的 oem 根本就没有建立吧。。。。

1. 7. 4 Can't locate CompEMdbconsole.pm in @INC

该问题的意思就是不能加载 CompEMdbconsole.pm 文件，去相应的目录看看有没有，没有的话就到其它地方拷贝文件过来吧。locate 就是 位于，查找。。。。的意思，，，，，英语呀

```
[oracle@lhr_linux ~]$ emctl
Can't locate CompEMdbconsole.pm in @INC (@INC contains: %s_javapOracleHome%/sysman/admin/scripts %s_javapOracleHome%/bin /u01/app/oracle/product/11.2.0/client_1/perl/lib/5.10.0/i686-linux-thread-multi
/u01/app/oracle/product/11.2.0/client_1/perl/lib/5.10.0 /u01/app/oracle/product/11.2.0/client_1/perl/lib /u01/app/oracle/product/11.2.0/client_1/perl/lib/site_perl/5.10.0/i686-linux-thread-multi
/u01/app/oracle/product/11.2.0/client_1/perl/lib/site_perl/5.10.0 /u01/app/oracle/product/11.2.0/client_1/perl/lib/site_perl /u01/app/oracle/product/11.2.0/client_1/perl/libwww-perl/lib
/u01/app/oracle/product/11.2.0/client_1/perl/ext/POSIX /u01/app/oracle/product/11.2.0/client_1/perl/URI /u01/app/oracle/product/11.2.0/client_1/perl/HTML_Parser /u01/app/oracle/product/11.2.0/client_1/perl/HTML-Parser/lib
/u01/app/oracle/product/11.2.0/client_1/sysman/admin/scripts /u01/app/oracle/product/11.2.0/client_1/bin /u01/app/oracle/product/11.2.0/client_1/sysman/admin/scripts/Net-DNS-0.48/lib/
/u01/app/oracle/product/11.2.0/client_1/sysman/admin/scripts/libnet-1.19/ .) at /u01/app/oracle/product/11.2.0/client_1/bin/EmctlCommon.pm line 638.
```

1. Can't locate CompEMdbconsole.pm in @INC 造成的问题

Set the environment correctly for the Database ORACLE_HOME:

Unix:

```
export ORACLE_HOME=
export ORACLE_SID=
export PATH=$ORACLE_HOME/bin:$PATH
```

\$ORACLE_HOME/bin: emctl start dbconsole

Windows:

```
set ORACLE_HOME=
set ORACLE_SID=
set PATH=$ORACLE_HOME\bin:$PATH
```

\$ORACLE_HOME\bin: emctl start dbconsole

我看了下目录\$ORACLE_HOME\bin 文件 perl 模块没有，可能解压出问题，由于 perl 是跨平台的语言，直接找个相应的版本复制一下，把 comp 和 db 开头的 pm 复制到\$ORACLE_HOME\bin 下，大约9个文件吧，或者把 pm 文件全部拷贝过去吧，大约34个文件

1. 7. 5 **EM Configuration issue. /opt/oracle/product/11.2.0/db_1/localhost.localdomain_ocmdb not found.**

2.由于 ip 地址改动的问题 EM 报

```
[oracle@localhost bin]$ emctl status
EM Configuration issue. /opt/oracle/product/11.2.0/db_1/localhost.localdomain_ocmdb not found.
```

1. 7. 6 **SEVERE: Listener is not up or database service is not registered with it**

问题表现如下：

```
[oracle@xbfye7l01 db_home]$ emca -config dbcontrol db

.....

-----

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 15, 2012 9:45:48 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_15_09_45_23.log.

Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.EMConfig perform

SEVERE: Listener is not up or database service is not registered with it. Start the Listener and register database service and run EM Configuration Assistant again .

Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_15_09_45_23.log for more details.

Could not complete the configuration. Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_15_09_45_23.log for more details.

[oracle@xbfye7l01 db_home]$
```

查看日志：

```
[oracle@xbfye7l01 db_home]$ tail -100 /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_15_09_45_23.log
```

```
Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineLocally
```

```
CONFIG: SQLEngine created successfully and connected
```

```
Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.ParamsManager checkListenerStatusForDBControl
```

```
CONFIG: ORA-12541: TNS:no listener
```

```
oracle.sysman.assistants.util.sqlEngine.SQLFatalErrorException: ORA-12541: TNS:no listener
```

```
at oracle.sysman.assistants.util.sqlEngine.SQLEngine.executeImpl(SQLEngine.java:1650)
```

```
at oracle.sysman.assistants.util.sqlEngine.SQLEngine.executeSql(SQLEngine.java:1898)
```

```
at oracle.sysman.emcp.ParamsManager.checkListenerStatusForDBControl(ParamsManager.java:3230)
```

```
at oracle.sysman.emcp.EMReposConfig.unlockMGMTAccount(EMReposConfig.java:1000)
```

```
at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:345)
```

```
at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:157)
```

```
at oracle.sysman.emcp.EMConfig.perform(EMConfig.java:253)
```

```
at oracle.sysman.emcp.EMConfigAssistant.invokeEMCA(EMConfigAssistant.java:589)
```

```
at oracle.sysman.emcp.EMConfigAssistant.performConfiguration(EMConfigAssistant.java:1448)
```

```
at oracle.sysman.emcp.EMConfigAssistant.statusMain(EMConfigAssistant.java:573)
```

```
at oracle.sysman.emcp.EMConfigAssistant.main(EMConfigAssistant.java:521)
```

```
Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.EMConfig perform
```

```
SEVERE: Listener is not up or database service is not registered with it. Start the Listener and register database service and run EM Configuration Assistant again .
```

```
Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_15_09_45_23.log for more details.
```

Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.EMConfig perform

CONFIG: Stack Trace:

oracle.sysman.emcp.exception.EMConfigException: Listener is not up or database service is not registered with it. Start the Listener and register database service and run EM Configuration Assistant again .

```
at oracle.sysman.emcp.ParamsManager.checkListenerStatusForDBControl(ParamsManager.java:3245)

at oracle.sysman.emcp.EMReposConfig.unlockMGMTAccount(EMReposConfig.java:1000)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:345)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:157)

at oracle.sysman.emcp.EMConfig.perform(EMConfig.java:253)

at oracle.sysman.emcp.EMConfigAssistant.invokeEMCA(EMConfigAssistant.java:589)

at oracle.sysman.emcp.EMConfigAssistant.performConfiguration(EMConfigAssistant.java:1448)

at oracle.sysman.emcp.EMConfigAssistant.statusMain(EMConfigAssistant.java:573)

at oracle.sysman.emcp.EMConfigAssistant.main(EMConfigAssistant.java:521)
```

Aug 15, 2012 9:45:49 AM oracle.sysman.emcp.EMConfig restoreOuiLoc

CONFIG: Restoring oracle.installer.oui_loc to /apps/product/11.2.0/db_home/oui

解决办法：

最后检查是因为修改 Hostname，但 hosts 文件以及监听未及时修改所致，于是调整完各个参数，保持一至后，发现仍然报同样的错误，又检查发现数据库 V\$session 中的机器名还是原来的 hostname，所以重启数据库，机器后一样，但总的问题没有解决。于是重启了机器，该问题解决。但出现了第二个问题，在下面将进行解决。

1. 7. 7 SEVERE: Failed to unlock all EM-related accounts

问题表现1：

```
[oracle@xbfye7l01 ~]$ emca -config dbcontrol db
```

```
Do you wish to continue? [yes(Y)/no(N)]: Y
```

```
Aug 16, 2012 9:06:21 AM oracle.sysman.emcp.EMConfig perform
```

```
INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_06_08.log.
```

```
Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMReposConfig invoke
```

```
SEVERE: Failed to unlock all EM-related accounts
```

```
Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMConfig perform
```

```
SEVERE: Failed to unlock all EM-related accounts
```

```
Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_06_08.log for more details.
```

```
Could not complete the configuration. Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_06_08.log for more details.
```

```
[oracle@xbfye7l01 ~]$
```

查看日志：

```
[root@xbfye7l01 ~]# tail -100 /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_06_08.log
```

```
.....
```

```
CONFIG: Couldn't execute statement: ORA-01403: no data found
```

```
ORA-06512: at "SYSMAN.MGMT_VIEW_PRIV", line 41
```

```
ORA-06512: at line 1 (DBD NO_DATA: OCISmtExecute) at /apps/product/11.2.0/db_home/sysman/admin/scripts/emca/emcaDbUtil.pl line 129, <STDIN> line 2.
```

```
Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.util.PlatformInterface executeCommand
```

```
CONFIG: Error executing /apps/product/11.2.0/db_home/sysman/admin/scripts/emca/emcaDbUtil
```

```
/apps/product/11.2.0/db_home/perl/lib:/apps/product/11.2.0/db_home/perl/lib/site_perl:/apps/product/11.2.0/db_home/sysman/admin/scripts:/apps/product/11.2.0/db_home/bin:
```

```
/apps/product/11.2.0/db_home/perl/bin/perl /apps/product/11.2.0/db_home/sysman/admin/scripts/emca/emcaDbUtil.pl /apps/product/11.2.0/db_home
```

```
(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=xbfye7l01)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=E7DEV))) SYS SYSDBA declare repos_pwd varchar2(30); view_user varchar2(30);
```

```
view_user_pwd varchar2(30); view_user_acc_status varchar2(30); begin repos_pwd := ?; sysman.mgmt_view_priv.get_view_user(view_user); select account_status into view_user_acc_status from sys.dba_users where
```

```
upper(username) = upper ( view_user ); IF view_user_acc_status like '%LOCKED%' THEN execute immediate 'alter user ' || view_user || ' account unlock'; END IF; IF view_user_acc_status like '%EXPIRED%' THEN  
sysman.mgmt_view_priv.set_view_user_creds ( repos_pwd ); sysman.mgmt_view_priv.GET_VIEW_USER_CREDTS ( view_user,view_user_pwd ); execute immediate 'alter user ' || view_user || ' identified by ' ||  
view_user_pwd || "; END IF; end; E7DEV 1 SYSMAN_PWD
```

Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMReposConfig unlockMGMTAccount

CONFIG: Failed to unlock mgmt_view account

Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMReposConfig invoke

SEVERE: Failed to unlock all EM-related accounts

Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMConfig perform

SEVERE: Failed to unlock all EM-related accounts

Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_06_08.log for more details.

Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMConfig perform

CONFIG: Stack Trace:

oracle.sysman.emcp.exception.EMConfigException: Failed to unlock all EM-related accounts

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:348)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:157)

at oracle.sysman.emcp.EMConfig.perform(EMConfig.java:253)

at oracle.sysman.emcp.EMConfigAssistant.invokeEMCA(EMConfigAssistant.java:589)

at oracle.sysman.emcp.EMConfigAssistant.performConfiguration(EMConfigAssistant.java:1448)

at oracle.sysman.emcp.EMConfigAssistant.statusMain(EMConfigAssistant.java:573)

at oracle.sysman.emcp.EMConfigAssistant.main(EMConfigAssistant.java:521)

Aug 16, 2012 9:06:23 AM oracle.sysman.emcp.EMConfig restoreOuiLoc

CONFIG: Restoring oracle.installer.oui_loc to /apps/product/11.2.0/db_home/oui

[root@xbfye7l01 ~]#

1. 7. 8 SEVERE: Error creating the repository

```
[oracle@xbfye7l01 ~]$ emca -config dbcontrol db -repos create
```

```
Do you wish to continue? [yes(Y)/no(N)]: Y
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMConfig perform
```

```
INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_12_41.log.
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig createRepository
```

```
INFO: Creating the EM repository (this may take a while) ...
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig invoke
```

```
SEVERE: Error creating the repository
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig invoke
```

```
INFO: Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_repos_create_<date>.log for more details.
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMConfig perform
```

```
SEVERE: Error creating the repository
```

```
Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_12_41.log for more details.
```

```
Could not complete the configuration. Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_12_41.log for more details.
```

```
[oracle@xbfye7l01 ~]$
```

查看日志：

```
[root@xbfye7l01 ~]# tail -50 /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_12_41.log
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.util.GeneralUtil isLocalConnectionRequired
```

```
CONFIG: isLocalConnectionRequired: true
```

```
Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngine
```


CONFIG: isLocalConnectionRequired: true. Connecting to database instance locally.

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineLocally

CONFIG: SQLEngine connecting with SID: E7DEV, oracleHome: /apps/product/11.2.0/db_home, and user: SYS

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineLocally

CONFIG: SQLEngine created successfully and connected

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig createRepository

CONFIG: Spooling to /apps/cfgtoollogs/emca/E7DEV/emca_repos_create_2012_08_16_09_12_57.log

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig createRepository

INFO: Creating the EM repository (this may take a while) ...

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig createRepository

CONFIG: ORA-20001: SYSMAN already exists..

ORA-06512: at line 17

oracle.sysman.assistants.util.sqlEngine.SQLErrorException: **ORA-20001: SYSMAN already exists..**

ORA-06512: at line 17

at oracle.sysman.assistants.util.sqlEngine.SQLEngine.executeImpl(SQLEngine.java:1650)

at oracle.sysman.assistants.util.sqlEngine.SQLEngine.executeScript(SQLEngine.java:1000)

at oracle.sysman.assistants.util.sqlEngine.SQLPlusEngine.executeScript(SQLPlusEngine.java:339)

at oracle.sysman.assistants.util.sqlEngine.SQLPlusEngine.executeScript(SQLPlusEngine.java:380)

at oracle.sysman.emcp.EMReposConfig.createRepository(EMReposConfig.java:510)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:228)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:157)

```
at oracle.sysman.emcp.EMConfig.perform(EMConfig.java:253)

at oracle.sysman.emcp.EMConfigAssistant.invokeEMCA(EMConfigAssistant.java:589)

at oracle.sysman.emcp.EMConfigAssistant.performConfiguration(EMConfigAssistant.java:1448)

at oracle.sysman.emcp.EMConfigAssistant.statusMain(EMConfigAssistant.java:573)

at oracle.sysman.emcp.EMConfigAssistant.main(EMConfigAssistant.java:521)
```

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig invoke

SEVERE: Error creating the repository

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_repos_create_<date>.log for more details.

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMConfig perform

SEVERE: Error creating the repository

Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_12_41.log for more details.

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMConfig perform

CONFIG: Stack Trace:

oracle.sysman.emcp.exception.EMConfigException: Error creating the repository

```
at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:240)

at oracle.sysman.emcp.EMReposConfig.invoke(EMReposConfig.java:157)

at oracle.sysman.emcp.EMConfig.perform(EMConfig.java:253)

at oracle.sysman.emcp.EMConfigAssistant.invokeEMCA(EMConfigAssistant.java:589)

at oracle.sysman.emcp.EMConfigAssistant.performConfiguration(EMConfigAssistant.java:1448)

at oracle.sysman.emcp.EMConfigAssistant.statusMain(EMConfigAssistant.java:573)

at oracle.sysman.emcp.EMConfigAssistant.main(EMConfigAssistant.java:521)
```

Aug 16, 2012 9:12:57 AM oracle.sysman.emcp.EMConfig restoreOuiLoc

CONFIG: Restoring oracle.installer.oui_loc to /apps/product/11.2.0/db_home/oui

[root@xbfy7l01 ~]#

再次尝试：

[oracle@xbfy7l01 ~]\$ **emca -repos create**

STARTED EMCA at Aug 16, 2012 9:23:21 AM

EM Configuration Assistant, Version 11.2.0.0.2 Production

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:

Database SID: E7DEV

Listener port number: 1521

Password for SYS user:

Password for SYSMAN user:

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 16, 2012 9:23:36 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_23_21.log.

Aug 16, 2012 9:23:36 AM oracle.sysman.emcp.EMReposConfig createRepository

INFO: Creating the EM repository (this may take a while) ...

Aug 16, 2012 9:23:36 AM oracle.sysman.emcp.EMReposConfig invoke

SEVERE: Error creating the repository

Aug 16, 2012 9:23:36 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_repos_create_<date>.log for more details.

Aug 16, 2012 9:23:36 AM oracle.sysman.emcp.EMConfig perform

SEVERE: Error creating the repository

Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_23_21.log for more details.

Could not complete the configuration. Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_23_21.log for more details.

[oracle@xbfye7l01 ~]\$

1. 7. 8. 1 解决过程

1.执行下面的一系统删除命令：

这里其实可以用重建的命令，**emca -config dbcontrol db -repos recreate** ---建议重新创建，

这样就不会报这种错误了

由于之前操作过一次，所以部分报不存在，第一次删除时均正常

```
SQL> drop user sysman cascade;
```

```
        User dropped.
```

```
SQL> drop role MGMT_USER;
```

```
Role dropped.
```

```
SQL>  drop user MGMT_VIEW cascade;
```

```
drop user MGMT_VIEW cascade
```

```
        *
```

```
ERROR at line 1:
```

ORA-01918: user 'MGMT_VIEW' does not exist

SQL> drop public synonym MGMT_TARGET_BLACKOUTS;

Synonym dropped.

SQL> drop public synonym SETEMVIEWUSERCONTEXT;

drop public synonym SETEMVIEWUSERCONTEXT

*

ERROR at line 1:

ORA-01432: public synonym to be dropped does not exist

2. 重建测试，问题依然存在。

[oracle@xbfye7l01 ~]\$ **emca -repos create**

STARTED EMCA at Aug 16, 2012 9:30:15 AM

EM Configuration Assistant, Version 11.2.0.0.2 Production

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:

Database SID: E7DEV

Listener port number: 1521

Password for SYS user:

Password for SYSMAN user:

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 16, 2012 9:30:24 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_30_15.log.

Aug 16, 2012 9:30:24 AM oracle.sysman.emcp.EMReposConfig createRepository

INFO: Creating the EM repository (this may take a while) ...

Aug 16, 2012 9:31:37 AM oracle.sysman.emcp.EMReposConfig invoke

SEVERE: Error creating the repository

Aug 16, 2012 9:31:37 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_repos_create_<date>.log for more details.

Aug 16, 2012 9:31:37 AM oracle.sysman.emcp.EMConfig perform

SEVERE: Error creating the repository

Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_30_15.log for more details.

Could not complete the configuration. Refer to the log file at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_30_15.log for more details.

[oracle@xbfye7l01 ~]\$

3. 删除数据库的 Database Control 配置

[oracle@xbfye7l01 ~]\$ **emca -deconfig dbcontrol db**

STARTED EMCA at Aug 16, 2012 9:46:37 AM

EM Configuration Assistant, Version 11.2.0.0.2 Production

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:

Database SID: E7DEV

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 16, 2012 9:46:42 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_46_36.log.

Aug 16, 2012 9:46:42 AM oracle.sysman.emcp.EMDBPreConfig performDeconfiguration

WARNING: EM is not configured for this database. No EM-specific actions can be performed.

Enterprise Manager configuration completed successfully

FINISHED EMCA at Aug 16, 2012 9:46:42 AM

[oracle@xbfye7l01 ~]\$

4. 删除 EM 资料库

[oracle@xbfye7l01 ~]\$ **emca -repos drop**

STARTED EMCA at Aug 16, 2012 9:47:09 AM

EM Configuration Assistant, Version 11.2.0.0.2 Production

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:

Database SID: E7DEV

Listener port number: 1521

Password for SYS user:


```
Password for SYSMAN user:

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 16, 2012 9:47:18 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_47_09.log.

Aug 16, 2012 9:47:18 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Dropping the EM repository (this may take a while) ...

Aug 16, 2012 9:47:56 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Repository successfully dropped

Enterprise Manager configuration completed successfully

FINISHED EMCA at Aug 16, 2012 9:47:56 AM

[oracle@xbfye7l01 ~]$
```

5.对 EM 资料库和 Database Control 重新创建。

```
[oracle@xbfye7l01 ~]$ emca -config dbcontrol db -repos create

STARTED EMCA at Aug 16, 2012 9:48:35 AM

EM Configuration Assistant, Version 11.2.0.0.2 Production

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:
```

Database SID: E7DEV

Listener port number: 1521

Listener ORACLE_HOME [/apps/product/11.2.0/db_home]:

Password for SYS user:

Password for DBSNMP user:

Password for SYSMAN user:

Email address for notifications (optional):

Outgoing Mail (SMTP) server for notifications (optional):

You have specified the following settings

Database ORACLE_HOME /apps/product/11.2.0/db_home

Local hostname xbfye7l01

Listener ORACLE_HOME /apps/product/11.2.0/db_home

Listener port number 1521

Database SID E7DEV

Email address for notifications

Outgoing Mail (SMTP) server for notifications

Do you wish to continue? [yes(Y)/no(N)]: Y

Aug 16, 2012 9:48:54 AM oracle.sysman.emcp.EMConfig perform

INFO: This operation is being logged at /apps/cfgtoollogs/emca/E7DEV/emca_2012_08_16_09_48_35.log.

Aug 16, 2012 9:48:54 AM oracle.sysman.emcp.EMReposConfig createRepository

INFO: Creating the EM repository (this may take a while) ...

Aug 16, 2012 9:51:56 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Repository successfully created

Aug 16, 2012 9:51:58 AM oracle.sysman.emcp.EMReposConfig uploadConfigDataToRepository

INFO: Uploading configuration data to EM repository (this may take a while) ...

Aug 16, 2012 9:52:26 AM oracle.sysman.emcp.EMReposConfig invoke

INFO: Uploaded configuration data successfully

Aug 16, 2012 9:52:29 AM oracle.sysman.emcp.util.DBControlUtil configureSoftwareLib

INFO: Software library configured successfully.

Aug 16, 2012 9:52:29 AM oracle.sysman.emcp.EMDBPostConfig configureSoftwareLibrary

INFO: Deploying Provisioning archives ...

Aug 16, 2012 9:52:47 AM oracle.sysman.emcp.EMDBPostConfig configureSoftwareLibrary

INFO: Provisioning archives deployed successfully.

Aug 16, 2012 9:52:47 AM oracle.sysman.emcp.util.DBControlUtil secureDBConsole

INFO: Securing Database Control (this may take a while) ...

Aug 16, 2012 9:54:05 AM oracle.sysman.emcp.util.DBControlUtil secureDBConsole

INFO: Database Control secured successfully.

Aug 16, 2012 9:54:05 AM oracle.sysman.emcp.util.DBControlUtil startOMS

INFO: Starting Database Control (this may take a while) ...

Aug 16, 2012 9:54:26 AM oracle.sysman.emcp.EMDBPostConfig performConfiguration

```
INFO: Database Control started successfully

Aug 16, 2012 9:54:26 AM oracle.sysman.emcp.EMDBPostConfig performConfiguration

INFO: >>>>>>>>>> The Database Control URL is https://xbfye7l01:1158/em <<<<<<<<<<<

Aug 16, 2012 9:54:28 AM oracle.sysman.emcp.EMDBPostConfig invoke

WARNING:

***** WARNING *****

Management Repository has been placed in secure mode wherein Enterprise Manager data will be encrypted. The encryption key has been placed in the file:
/apps/product/11.2.0/db_home/xbfye7l01_E7DEV/sysman/config/emkey.ora. Please ensure this file is backed up as the encrypted data will become unusable if this file is lost.

*****

Enterprise Manager configuration completed successfully

FINISHED EMCA at Aug 16, 2012 9:54:28 AM

[oracle@xbfye7l01 ~]$

此次操作成功，问题得到解决，经测试 https://xbfye7l01:1158/em 登陆正常。
```

1. 7. 9 shell-init: error retrieving current directory

shell-init: error retrieving current directory: getcwd: cannot access parent directories: No such file or directory
OC4J Configuration issue. /u01/app/oracle/product/11.2.0/client_1/oc4j/j2ee/OC4J_DBConsole_Error occurred during initialization of VM
java.lang.Error: Properties init: Could not determine current working directory. _orcllinux not found.

当前的操作目录已经不存在了或者已经删掉重建了，所以切换到任意一个存在的目录即可。。。。

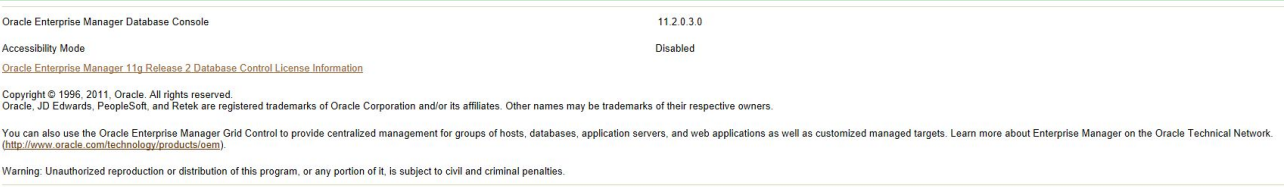
1. 7. 10 Asm+11g+em

一次安装过程中我杀掉了进程后使用命令重建就报错了，这个时候手动清理一下相关用户和下边对象重建就可以了。

```
drop user sysman cascade;
drop role MGMT_USER;
drop user MGMT_VIEW cascade;
```

1. 7. 11 Accessibility Mode disable

OEM 不能正常访问：



解决方案：

1. 修改\$ORACLE_HOME/oc4j/j2ee/oc4j_applications/applications/em/em/WEB-INF/uix-config.xml 文件，将 inaccessible 改成 accessible

2. 然后重启 EM 就可以了；



```
[oracle@rhel6_lhr WEB-INF]$ more uix-config.xml
<?xml version="1.0" encoding="ISO-8859-1"?>
  <configurations xmlns="http://xmlns.oracle.com/uix/config">

    <!-- if false, no tracing messages will be written -->
    <application-configuration debug="false">
      <debug-indent-output>false</debug-indent-output>
      <ui-extensions>
        <extension-class>oracle.sysman.eml.license.LicenseCheckUIExtension</extension-clas
        <extension-class>oracle.sysman.emSDK.chart.EmChartUIExtension</extension-class>
      </ui-extensions>
    </application-configuration>

    <!-- An alternate configuration that disables accessibility features -->
    <default-configuration>
      <accessibility-mode>inaccessible</accessibility-mode>
      <enable-auto-table-ctrl-labels>true</enable-auto-table-ctrl-labels>

      <supported-locales>
        <default-locale>en</default-locale>
        <supported-locale>de</supported-locale>
        <supported-locale>es</supported-locale>
        <supported-locale>fr</supported-locale>
        <supported-locale>it</supported-locale>
        <supported-locale>ja</supported-locale>
        <supported-locale>ko</supported-locale>
        <supported-locale>pt-BR</supported-locale>
        <supported-locale>zh-CN</supported-locale>
        <supported-locale>zh-TW</supported-locale>
      </supported-locales>

    </default-configuration>

    <configuration name="dashboardConfig">
      <style-sheet>dashBoard.xss</style-sheet>
    </configuration>
  </configurations>
[oracle@rhel6_lhr WEB-INF]$
```



1.8 浏览器出现 此网站的安全证书有问题

网上有很多解决办法的，或者使用火狐浏览器就可以了。




此网站的安全证书存在问题。

此网站出具的安全证书不是由受信任的证书颁发机构颁发的。
此网站出具的安全证书是为其他网站地址颁发的。

安全证书问题可能显示试图欺骗你或截获你向服务器发送的数据。

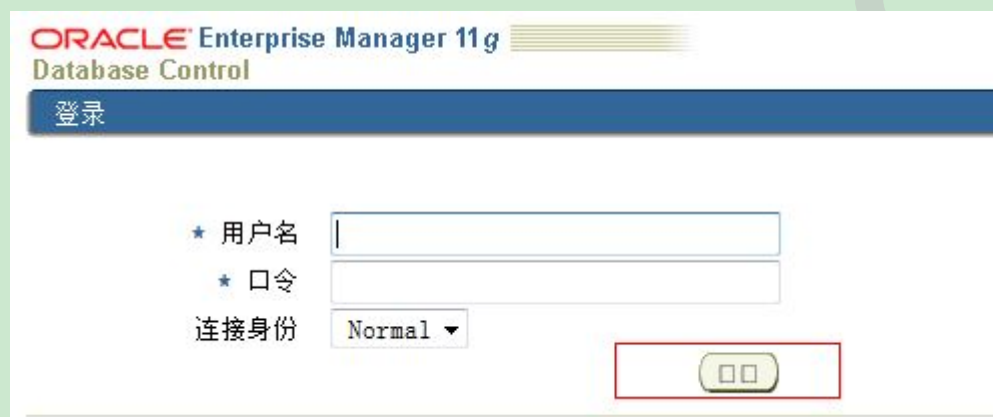
建议关闭此网页，并且不要继续浏览该网站。

 单击此处关闭该网页。

 继续浏览此网站(不推荐)。

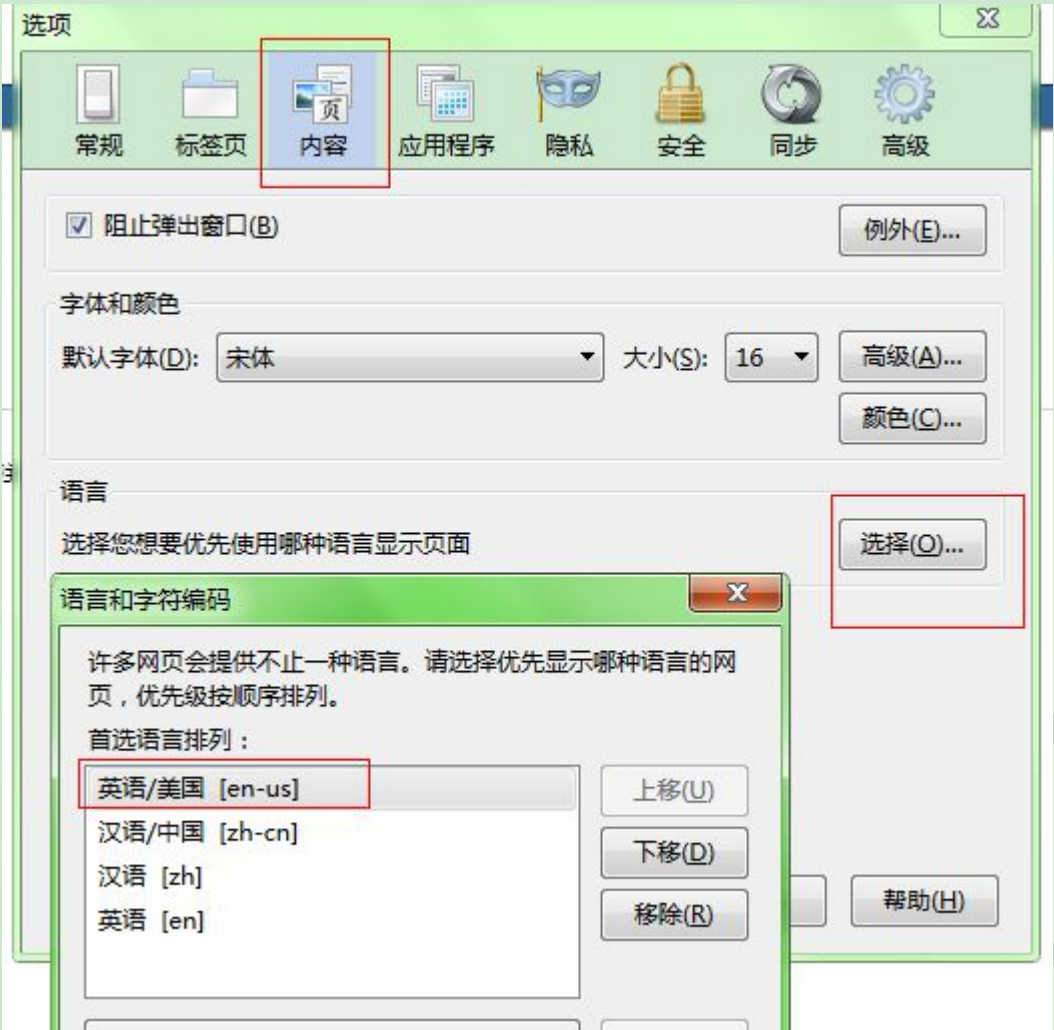
 详细信息

1.9 浏览器界面乱码

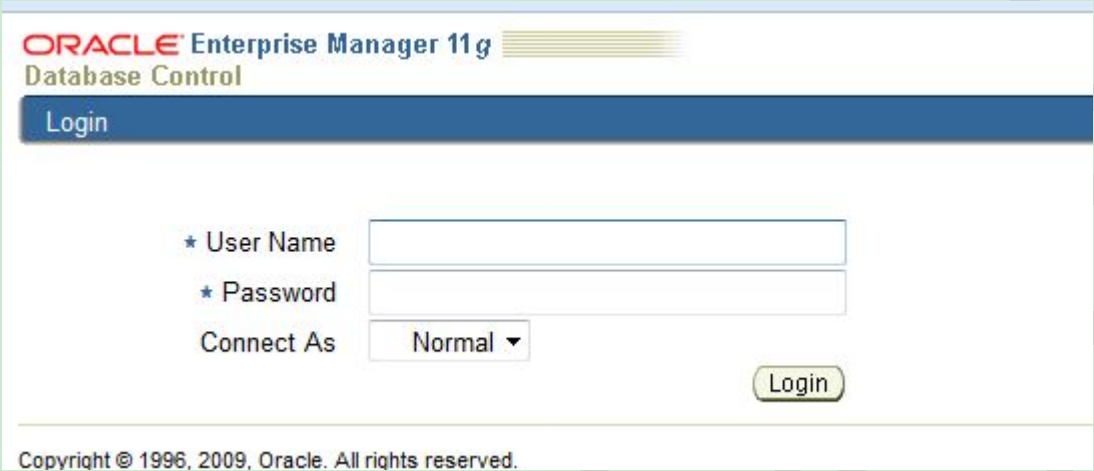


1.9.1 修改为英文

Internet-->常规-->语言，添加“英语（美国）[en_us]”，并将其移动到第一个，再访问 em 登陆界面，即可正常（英文）。



修改后：



1.9.2 让 EM 界面显示为英文

在实践过程中，发现 oracle em 控制台原先是中文的，菜单翻译的并不准确，不如英文的好对应管理，因此，需要修改 linux 系统的语言配置，将菜单改为英文，查到的参考网文如下：

<http://www.blogjava.net/parable-myth/archive/2006/09/27/72331.html>

<http://www.linuxidc.com/Linux/2008-04/12265.htm>
<http://www.linuxsky.org/doc/newbie/200707/84.html>
<http://lavasoft.blog.51cto.com/62575/155329>

实际的配置过程比较简单，为了减少对系统其他用户的影响，将/etc/sysconfig 下面的 i18n 配置文件，拷贝到 root 用户目录下，命令是：`cp /etc/sysconfig/i18n $root/.i18n`

修改此文件，`LANG="en_US.UTF-8"`，xwindow 会显示英文界面，

经过此修改后，再重启系统，root 用户的默认语言即为英语，打开 em 控制台也变成英文界面了。

1.9.3 修改字体

1.9.3.1 我试过了不行

em 的乱码是由 java 引起的, em 的按钮是由 java 生成的图, oracle 11g 使用的是 jdk1.5, jdk1.5 以后有了一个简便方法来解决这个问题。

```
$ mkdir $ORACLE_HOME/jdk/jre/lib/fonts/fallback
```

把 windows 下的字体文件 `simsun.ttc` 复制到 `$ORACLE_HOME/jdk/jre/lib/fonts/fallback` 目录下 并改名 `simsun.ttf` (注意 ms 的 `simsun` 字体是有版权的，所以商用换其他字体)，

相应的权限改为 oracle 用户可用。

之后需要清理一下 Cache, 重启 EM 即可：

```
$ rm $ORACLE_HOME/oc4j/j2ee/oc4j_applications/applications/em/em/cabo/images/cache/zhs/*.gif
```

```
$ emctl stop dbconsole
```

```
$ emctl start dbconsole
```

登陆 Web 页面查看, EM 显示就可以正常显示中文了

1.9.3.2 第二种

第一步和第二步我没找见相关的字体，但是后边的我做完后重启后就可以正常显示字体了。。。

1 修改 jdk 下面的字体

```
[oracle@dbserver db_1]$ cd $ORACLE_HOME/jdk/jre/lib/
```

```
[oracle@dbserver lib]$ mv font.properties font.properties_bak
```

```
[oracle@racdbserver lib]$
```

```
[oracle@dbserver lib]$ cp font.properties.zh_CN.Redhat font.properties
```

```
[oracle@dbserver lib]$
```

2 修改 jre 下面的字体

```
[oracle@dbserver lib]$ cd $ORACLE_HOME/jre/1.4.2/lib
```

```
[oracle@dbserver lib]$ mv font.properties font.properties_bak
```

```
[oracle@dbserver lib]$ cp font.properties.zh_CN.Redhat font.properties
```

3 添加简体中文字体库

在/usr/share/fonts 目录下创建 zh_CN/TrueType 目录（如果目录不存在时），并将 zysong.ttf 文件复制到新目录下

```
[oracle@dbserver lib]$ cd /usr/share/fonts;
```

```
[oracle@dbserver lib]$ mkdir -p zh_CN/TrueType;
```

```
[oracle@dbserver lib]$ cp /opt/zysong.ttf /usr/share/fonts/zh_CN/TrueType;
```

没有这个文件的话，可以到 http://download.csdn.net/download/luohu_aisspace/2640175 [下载](#)。将 zysong.ttf 文件属主授权给 oracle 用户和 oinstall 用户组

```
[oracle@dbserver lib]$ chown -R oracle:oinstall zysong.ttf;
```

4 清除 em 的 cache

```
[oracle@dbserver lib]$ cd $ORACLE_HOME/oc4j/j2ee/oc4j_applications/applications/em/em/cabo/images/cache/zhs
```

```
[oracle@dbserver zhs]$ rm *.gif
```

5 重新启动 em

```
[oracle@dbserver bin]$ cd $ORACLE_HOME/bin
```

```
[oracle@dbserver bin]$ emctl stop dbconsole
```

```
[oracle@dbserver bin]$ emctl start dbconsole
```

1.10 Linux 的 ip 地址修改后如何继续使用 EM

将 192.168.128.134 修改为：192.168.59.130

注意：

- ① 修改 ip 地址之后，还应该把/etc/hosts 文件中的地址也修改了
- ② 重新启动 linux

```
[oracle@rhel6_lhr ~]$ emctl status dbconsole
EM Configuration issue. /u01/app/oracle/product/11.2.0/dbhome_1/192.168.59.130_orclasm not found.
OC4J Configuration issue. /u01/app/oracle/product/11.2.0/dbhome_1/oc4j/j2ee/OC4J_DBCConsole_192.168.59.130_orclasm not found.
```

解决办法：

第一步：

重新配置之前需要把正在运行的 OEM 停掉，执行 `emctl stop dbconsole`，如果报错，就设置下环境变量：`export ORACLE_HOSTNAME=192.168.128.134`，这里的 ip 就是配置之前的老的 ip 地址。

第二步，执行：

```
mv /u01/app/oracle/product/11.2.0/dbhome_1/192.168.128.134_orclasm /u01/app/oracle/product/11.2.0/dbhome_1/192.168.59.130_orclasm
mv /u01/app/oracle/product/11.2.0/dbhome_1/oc4j/j2ee/OC4J_DBCConsole_192.168.128.134_orclasm /u01/app/oracle/product/11.2.0/dbhome_1/oc4j/j2ee/OC4J_DBCConsole_192.168.59.130_orclasm
```

最后还是没有解决，还是删掉重建吧：`emca -config dbcontrol db -repos recreate`

1.11 其他错误

1.11.1 ORA-28001: the password has expired (DBD ERROR: OCISessionBegin) EM 无法登录

今天打开 EM 发现提示

ORA-28001: the password has expired (DBD ERROR: OCISessionBegin)



于是查找了一下资料，密码过期导致 EM 无法登录。ORACLE11G 默认的口令期限是 180 天，为了永久解决这个问题只能修改配置文件。

1、查看目前数据库中的口令期限

```
SYS@ orcl>select * from dba_profiles where profile='DEFAULT'
2 and resource_name='PASSWORD_LIFE_TIME';
```

PROFILE	RESOURCE_NAME	RESOURCE	LIMIT
DEFAULT	PASSWORD_LIFE_TIME	PASSWORD	180

2、修改成无限制的

```
SYS@ orcl>alter profile default limit password_life_time unlimited;
```

3、查看 em 的两个账号状态 sysman 和 dbsnmp

```
SYS@ orcl>select username,account_status from dba_users;
```

USERNAME	ACCOUNT_STATUS
TEST	OPEN
TEST2	OPEN
SCOTT	OPEN
HR	OPEN
ORACLE_OCM	EXPIRED & LOCKED
XS\$NULL	EXPIRED & LOCKED
BI	EXPIRED & LOCKED
PM	EXPIRED & LOCKED
MDDATA	EXPIRED & LOCKED
IX	EXPIRED & LOCKED
SH	EXPIRED & LOCKED
USERNAME	ACCOUNT_STATUS
DIP	EXPIRED & LOCKED
OE	EXPIRED & LOCKED

APEX_PUBLIC_USER	EXPIRED & LOCKED	
SPATIAL_CSW_ADMIN_USR	EXPIRED & LOCKED	
SPATIAL_WFS_ADMIN_USR	EXPIRED & LOCKED	
DBSNMP		EXPIRED
SYSMAN		EXPIRED

4、2 个账号都过期，于是修改密码

```
SYS@ orcl>alter user dbsnmp identified by oracle;
User altered.
SYS@ orcl>alter user sysman identified by oracle;
User altered.
```

5、再重新打开 EM，能够正常使用了。在修改密码前我重新启动过数据库和 EM

1.12 重建例子

1.12.1 Windows 下重建

命令如下：

```
emca -config dbcontrol db -repos recreate  ---建议重新创建
emca -config dbcontrol db -repos create
```

然后会出现以下信息：

```
C:\Users\Administrator>emctl start dbconsole
Environment variable ORACLE_UNQNAME not defined. Please set ORACLE_UNQNAME to da
tabase unique name.

C:\Users\Administrator>emca -config dbcontrol db -repos recreate
```

EMCA 开始于 2012-3-12 16:28:39

EM Configuration Assistant, 11.2.0.0.2 正式版

版权所有 (c) 2003, 2005, Oracle。保留所有权利。

输入以下信息:

数据库 SID: orcl

监听程序端口号: 1521

监听程序 ORACLE_HOME [c:\app\Administrator\product\11.2.0\dbhome_1]:

SYS 用户的口令:

DBSNMP 用户的口令:

SYSMAN 用户的口令:

SYSMAN 用户的口令: 通知的电子邮件地址 (可选):

通知的发件 (SMTP) 服务器 (可选):

已指定以下设置

数据库 ORACLE_HOME c:\app\Administrator\product\11.2.0\dbhome_1

本地主机名 lhr

监听程序 ORACLE_HOME c:\app\Administrator\product\11.2.0\dbhome_1

监听程序端口号 1521

数据库 SID orcl

通知的电子邮件地址

通知的发件 (SMTP) 服务器

是否继续? [是(Y)/否(N)]: y

2012-3-12 16:31:41 oracle.sysman.emcp.EMConfig perform

信息: 正在将此操作记录到 c:\app\Administrator\cfgtoollogs\emca\orcl\emca_2012_03

_12_16_28_39.log。

2012-3-12 16:31:44 oracle.sysman.emcp.EMReposConfig invoke

信息: 正在删除 EM 资料档案库 (此操作可能需要一段时间)...

2012-3-12 16:35:22 oracle.sysman.emcp.EMReposConfig invoke

信息: 已成功删除资料档案库

2012-3-12 16:35:23 oracle.sysman.emcp.EMReposConfig createRepository

信息: 正在创建 EM 资料档案库 (此操作可能需要一段时间)...

2012-3-12 16:42:47 oracle.sysman.emcp.EMReposConfig invoke

信息: 已成功创建资料档案库

2012-3-12 16:42:58 oracle.sysman.emcp.EMReposConfig uploadConfigDataToRepository

信息: 正在将配置数据上载到 EM 资料档案库 (此操作可能需要一段时间)...

2012-3-12 16:45:05 oracle.sysman.emcp.EMReposConfig invoke

信息: 已成功上载配置数据

2012-3-12 16:45:25 oracle.sysman.emcp.util.DBControlUtil configureSoftwareLib

信息: 软件库已配置成功。

2012-3-12 16:45:25 oracle.sysman.emcp.EMDBPostConfig configureSoftwareLibrary

信息: 正在部署预配档案...

2012-3-12 16:46:42 oracle.sysman.emcp.EMDBPostConfig configureSoftwareLibrary

信息: 预配档案部署成功。

2012-3-12 16:46:42 oracle.sysman.emcp.util.DBControlUtil secureDBConsole

信息: 正在保护 Database Control (此操作可能需要一段时间)...

2012-3-12 16:46:56 oracle.sysman.emcp.util.DBControlUtil secureDBConsole

信息: 已成功保护 Database Control。

2012-3-12 16:46:56 oracle.sysman.emcp.util.DBControlUtil startOMS

信息: 正在启动 Database Control (此操作可能需要一段时间)...

2012-3-12 16:50:05 oracle.sysman.emcp.EMDBPostConfig performConfiguration

信息: 已成功启动 Database Control

2012-3-12 16:50:06 oracle.sysman.emcp.EMDBPostConfig performConfiguration

信息: >>>>>>>>> Database Control URL 为 https://lhr:5501/em <<<<<<<<<<

2012-3-12 16:50:24 oracle.sysman.emcp.EMDBPostConfig invoke

警告:

***** WARNING *****

管理资料档案库已置于安全模式下, 在此模式下将对 Enterprise Manager 数据进行加密。

加密密钥已放置在文件 c:/app/Administrator/product/11.2.0/dbhome_1/lhr_orcl/sysma

n/config/emkey.ora 中。请务必备份此文件, 因为如果此文件丢失, 则加密数据将不可用

。

已成功完成 Enterprise Manager 的配置

EMCA 结束于 2012-3-12 16:50:24

C:\Users\Administrator>

方法二是自己实验出来的, 并不是一个正式的方法, 但是比上一种方法简单, 易于操作。

信息提示里找不到一个目录 D:\oracle\product\10.1.0\db_1\oc4j\j2ee\OC4J_DBConsole_localhost_java, 到这个信息提示的上一层目录里一看, 可以看到有个类似的目录, 形如 OC4J_DBConsole_janes_java, 这里 janex 是我的机器名, 把这个目录 copy 到当前目录下, 改成信息提示里没有找到的目录名, 比如 我这里就改成 D:\oracle\product\10.1.0\db_1\oc4j\j2ee\OC4J_DBConsole_localhost_java

同时来到 D:\oracle\product\10.1.0\db_1 目录下, 可以找到一个名字形如 janex_ORCL 的目录,

注意 janex_ORCL, 这里的 janex 是我的机器名, ORCL 是我这里 ORacle 的 SID, 你可以根据你的具体情况, 来找到类似的目录, 同样在当前 copy 到当前目录, 并改名为 localhost_ORCL.

还有第三方法, 不过没有试过

有出现这样问题的帮着试试

```
set ORACLE_HOSTNAME=localhost
export ORACLE_HOSTNAME=192.168.225.130
```

然后通过 emctl start dbconsole 或者服务里的 ORacleDBConsoleXXXX 的服务就可以启动了。

在 cmd 里输入 emctl start dbconsole 后出现：

```
C:\Documents and Settings\Administrator>emctl start dbconsole
Oracle Enterprise Manager 10g Database Control Release 10.2.0.1.0
Copyright (c) 1996, 2005 Oracle Corporation. All rights reserved.
http://hexun1:1158/em/console/aboutApplication
Starting Oracle Enterprise Manager 10g Database Control ...OracleDBConsoleorcl

服务正在启动 .....
```

OracleDBConsoleorcl 服务已经启动成功。

复制上面红色标记的网址就可以通过浏览器访问了。

如果还出现上述的错误：删除 dbconsole 重新配置

emca -deconfig dbconsole db -repos drop

如果删除失败，进入数据库删除 dbconsole 以前的用户，并且修改 DBSNMP 密码

```
sql>alter user dbsnmp identified by orcl;
```

删除早期 DBCONSOLE 创建的用户：

```
sql>drop role MGMT_USER;
sql>drop user MGMT_VIEW cascade;
sql>drop user sysman cascade;
```

删除早期 DBCONSOLE 创建的对象：

```
sql>drop PUBLIC SYNONYM MGMT_TARGET_BLACKOUTS;
sql>drop public synonym SETEMVIEWUSERCONTEXT;
```

重新创建 DBCONSOLE：（如果是在 windows 下，要先到注册表删除 DBCONSOLE 的服务，重启电脑）

```
emca -config dbcontrol db -repos create
```

根据提示，先输入 SID，再输入 Y 继续；

输入端口 1521，输入 SYS 密码，输入 DBSNMP 密码，输入 SYSMAN 密码，输入 Y 继续完成。

检查状态 emctl status dbconsole

```
emca -repos recreate
```

```
[oracle@lhr_linux orcllinux]$ emca -repos recreate

STARTED EMCA at Jan 11, 2014 10:52:21 PM
EM Configuration Assistant, Version 11.2.0.0.2 Production
Copyright (c) 2003, 2005, Oracle. All rights reserved.

Enter the following information:
Database SID: orcllinux
Listener port number: 1521
Password for SYS user:
Password for SYSMAN user:

Do you wish to continue? [yes(Y)/no(N)]: y
Jan 11, 2014 10:52:33 PM oracle.sysman.emcp.EMConfig perform
INFO: This operation is being logged at /u01/app/oracle/cfgtoollogs/emca/orcllinux/emca_2014_01_11_22_52_21.log.
Jan 11, 2014 10:52:33 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Dropping the EM repository (this may take a while) ...
Jan 11, 2014 10:52:35 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Repository successfully dropped
Jan 11, 2014 10:52:35 PM oracle.sysman.emcp.EMReposConfig createRepository
INFO: Creating the EM repository (this may take a while) ...
Jan 11, 2014 11:03:38 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Repository successfully created
Enterprise Manager configuration completed successfully
FINISHED EMCA at Jan 11, 2014 11:03:38 PM
[oracle@lhr_linux orcllinux]$
```

1.12.2 Rac 下重建

```
[ZFXDESKDB1:oracle]:/oracle>emca -config dbcontrol db -repos recreate -cluster

STARTED EMCA at Mar 2, 2016 3:51:52 PM
EM Configuration Assistant, Version 11.2.0.3.0 Production
Copyright (c) 2003, 2011, Oracle. All rights reserved.

Enter the following information:
Database unique name: oraESKDB
Service name: oraESKDB
Listener port number: 1521
Listener ORACLE_HOME [ /oracle/app/11.2.0/grid ]:
Password for SYS user:
Password for DBSNMP user:
Password for SYSMAN user:
Cluster name: ZFXDESKDB-cluster  ====》任意输入一个名称
Email address for notifications (optional):
Outgoing Mail (SMTP) server for notifications (optional):
ASM ORACLE_HOME [ /oracle/app/11.2.0/grid ]:
ASM port [ 1521 ]:
ASM username [ ASMSNMP ]:
ASM user password:
-----

You have specified the following settings

Database ORACLE_HOME ..... /oracle/app/oracle/product/11.2.0/db
```

```
Database instance hostname ..... Listener ORACLE_HOME ..... /oracle/app/11.2.0/grid
Listener port number ..... 1521
Cluster name ..... ZFXDESKDB-cluster
Database unique name ..... oraESKDB
Email address for notifications .....
Outgoing Mail (SMTP) server for notifications .....
ASM ORACLE_HOME ..... /oracle/app/11.2.0/grid
ASM port ..... 1521
ASM user role ..... SYSDBA
ASM username ..... ASMSNMP

-----
-----
WARNING : While repository is dropped the database will be put in quiesce mode.
-----
Do you wish to continue? [yes(Y)/no(N)]: Y
Mar 2, 2016 3:53:22 PM oracle.sysman.emcp.EMConfig perform
INFO: This operation is being logged at /oracle/app/oracle/cfgtoollogs/emca/oraESKDB/emca_2016_03_02_15_51_52.log.
Mar 2, 2016 3:53:26 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Dropping the EM repository (this may take a while) ...
Mar 2, 2016 3:56:23 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Repository successfully dropped
Mar 2, 2016 3:56:24 PM oracle.sysman.emcp.EMReposConfig createRepository
INFO: Creating the EM repository (this may take a while) ...
Mar 2, 2016 4:03:05 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Repository successfully created
Mar 2, 2016 4:03:13 PM oracle.sysman.emcp.EMReposConfig uploadConfigDataToRepository
INFO: Uploading configuration data to EM repository (this may take a while) ...
Mar 2, 2016 4:04:37 PM oracle.sysman.emcp.EMReposConfig invoke
INFO: Uploaded configuration data successfully
Mar 2, 2016 4:04:38 PM oracle.sysman.emcp.EMDBCCConfig instantiateOC4JConfigFiles
INFO: Propagating /oracle/app/oracle/product/11.2.0/db/oc4j/j2ee/OC4J_DBConsole_zfxdeskd1_oraESKDB to remote nodes ...
Mar 2, 2016 4:04:44 PM oracle.sysman.emcp.EMDBCCConfig instantiateOC4JConfigFiles
INFO: Propagating /oracle/app/oracle/product/11.2.0/db/oc4j/j2ee/OC4J_DBConsole_zfxdeskd2_oraESKDB to remote nodes ...
Mar 2, 2016 4:04:53 PM oracle.sysman.emcp.EMAgentConfig deployStateDirs
INFO: Propagating /oracle/app/oracle/product/11.2.0/db/zfxdeskd1_oraESKDB to remote nodes ...
Mar 2, 2016 4:04:57 PM oracle.sysman.emcp.EMAgentConfig deployStateDirs
INFO: Propagating /oracle/app/oracle/product/11.2.0/db/zfxdeskd2_oraESKDB to remote nodes ...
Mar 2, 2016 4:05:02 PM oracle.sysman.emcp.util.DBControlUtil secureDBConsole
INFO: Securing Database Control (this may take a while) ...
Mar 2, 2016 4:05:27 PM oracle.sysman.emcp.util.DBControlUtil startOMS
INFO: Starting Database Control (this may take a while) ...
Mar 2, 2016 4:06:29 PM oracle.sysman.emcp.EMDBPostConfig performConfiguration
INFO: Database Control started successfully
Mar 2, 2016 4:06:29 PM oracle.sysman.emcp.EMDBPostConfig performConfiguration
INFO: >>>>>>>>> The Database Control URL is https://ZFXDESKDB1:1158/em <<<<<<<<<<
Mar 2, 2016 4:06:33 PM oracle.sysman.emcp.EMDBPostConfig showClusterDBCAGENTMessage
INFO:
***** Current Configuration *****
  INSTANCE          NODE          DBCONTROL_UPLOAD_HOST
-----
oraESKDB            zfxdeskd1          ZFXDESKDB1
oraESKDB            zfxdeskd2          ZFXDESKDB1

Mar 2, 2016 4:06:33 PM oracle.sysman.emcp.EMDBPostConfig invoke
WARNING:
***** WARNING *****

Management Repository has been placed in secure mode wherein Enterprise Manager data will be encrypted. The encryption key has been placed in the file:
/oracle/app/oracle/product/11.2.0/db/zfxdeskd1_oraESKDB/sysman/config/emkey.ora. Ensure this file is backed up as the encrypted data will become unusable if this file is lost.

*****
Enterprise Manager configuration completed successfully
FINISHED EMCA at Mar 2, 2016 4:06:33 PM
[ZFXDESKDB1:oracle]:/oracle>emctl status dbconsole
Environment variable ORACLE_UNQNAME not defined. Please set ORACLE_UNQNAME to database unique name.
```

```
[ZFXDESKDB1:oracle]:/oracle>export ORACLE_UNQNAME=oraESKDB
[ZFXDESKDB1:oracle]:/oracle>emctl status dbconsole
Oracle Enterprise Manager 11g Database Control Release 11.2.0.4.0
Copyright (c) 1996, 2013 Oracle Corporation. All rights reserved.
https://ZFXDESKDB1:1158/em/console/aboutApplication
Oracle Enterprise Manager 11g is running.
```

```
-----
Logs are generated in directory /oracle/app/oracle/product/11.2.0/db/zfxdeskdb1_oraESKDB/sysman/log
```

1.12.2.1 Rac 下建立 EM 的 2 个问题

一、 监听问题

Rac 下必须配置 asm 的 scan-listener , 否则配置的时候报错 :

```
Mar 2, 2016 11:10:11 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: Error during db connection : ORA-12514: TNS:listener does not currently know of service requested in connect descriptor
```

```
Mar 2, 2016 11:10:16 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: ORA-12541: TNS:no listener
```

```
Mar 2, 2016 11:10:17 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: Error during db connection : ORA-12514: TNS:listener does not currently know of service requested in connect descriptor
```

```
Mar 2, 2016 11:10:22 AM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: ORA-12541: TNS:no listener
```

Password validation failed. Some of the possible reasons may be:

- 1) Invalid username/password.
- 2) Database is not up.
- 3) Scan listener not up.
- 4) Database service is not registered with scan listener.
- 5) Password file may be missing or configured incorrectly.

解决方案 :

```
SYS@+ASM1> alter system set remote_listener='(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=ZFXDESKDB-scan)(PORT=1521))))' sid='*';
```

System altered.

```
SYS@+ASM1>
SYS@+ASM1>
SYS@+ASM1> alter system register;
```


二、 Asmsnmp 用户密码不对

```
Mar 2, 2016 3:41:53 PM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: ORA-01017: invalid username/password; logon denied

Password validation failed. Some of the possible reasons may be:

1) Invalid username/password.
2) Database is not up.
3) Scan listener not up.
4) Database service is not registered with scan listener.
5) Password file may be missing or configured incorrectly.

ASM user password:
Mar 2, 2016 3:44:08 PM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: Error during db connection : ORA-01017: invalid username/password; logon denied

Mar 2, 2016 3:44:18 PM oracle.sysman.emcp.util.GeneralUtil initSQLEngineRemotely
WARNING: ORA-01017: invalid username/password; logon denied

null [ORA-01219: database not open: queries allowed on fixed tables/views only]
ASM user password:
```

```
[ZFXDESKDB2:grid]:/home/grid>asmcmd
ASMCMD> lsdg
State      Type      Rebal  Sector  Block      AU   Total_MB  Free_MB  Req_mir_free_MB  Usable_file_MB  Offline_disks  Voting_files  Name
MOUNTED   EXTERN   N             512    4096   1048576    131100    72444           0             72444              0              Y  DATA/

ASMCMD> passwd sys
Enter old password (optional):
Enter new password: *****
```

----集群环境下修改

```
ASMCMD> orapwusr --modify --password sys
Enter password: *****
ASMCMD>
```

----解决方案：

```
[ZFXDESKDB2:grid]:/oracle/app/11.2.0/grid/dbs>sqlplus / as sysasm

SQL*Plus: Release 11.2.0.4.0 Production on Wed Mar 2 15:46:27 2016

Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Real Application Clusters and Automatic Storage Management options

SQL> create user asmsnmp identified by dulala;
create user asmsnmp identified by dulala
*
ERROR at line 1:
ORA-15306: ASM password file update failed on at least one node
```

```
SQL> grant sysdba to asmsnmp;  
  
Grant succeeded.  
  
SQL> alter user asmsnmp identified by dulala;  
  
User altered.  
  
SQL>
```

About Me

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