EBS 12.2已经释放快一年时间了，对于12.2的clone与之前的12.1及11i有很大区别，在此记录一下，供小伙伴们参考。。。。

环境信息：

EBS: 12.2.3

DB: 11.2.0.3

OS: Linux 6.3

1、服务器准备工作

1) 建立用户  
groupadd  dba   
useradd  -g dba -d /home/oratest -m oratest  
useradd  -g dba -d /home/appltest -m appltest

# id oratest  
uid=500(oratest) gid=500(dba) groups=500(dba)  
# id appltest  
uid=501(appltest) gid=500(dba) groups=500(dba)

2) 检查Linux版本和Kernel信息  
[root@HBCOREAPP6 ~]# cat /etc/issue  
Red Hat Enterprise Linux Server release 6.3 (Santiago)  
Kernel \r on an \m   
3) 检查RPM包  
Linux6下需要安装的rpm包如下列:  
 以下软件包（或软件包的版本）不属于操作系统分发介质的一部分，需要为Oracle Linux 6 和 RHEL 6分别下载并手工安装在应用层(from <http://oss.oracle.com/projects/compat-oracle/files/Enterprise_Linux/>)  
   
 openmotif21-2.1.30-11.EL6.i686 (32-bit)1  
 xorg-x11-libs-compat-6.8.2-1.EL.33.0.1.i386 (32-bit)  
 以下软件包必须在应用层和数据库层上通过Oracle Linux 6 或者 RHEL 6 安装介质上安装:  
binutils-2.20.51.0.2-5.20.el6.x86\_64   
compat-libstdc++-296-2.96-144.el6.i686   
compat-libstdc++33-3.2.3-69.el6.i686   
gcc-4.4.5-6.el6.x86\_64   
gcc-c++-4.4.5-6.el16.x86\_64   
glibc-2.12-1.7.el6.i686 (32-bit)   
glibc-2.12-1.7.el6.x86\_64   
glibc-common-2.12-1.7.el6.x86\_64   
glibc-devel-2.12-1.7.el6.i686 (32-bit)   
glibc-devel-2.12-1.7.el6.x86\_64   
libgcc-4.4.4-13.el6.i686   
libgcc-4.4.4-13.el6.x86\_64   
libstdc++-devel-4.4.4-13.el6.i686   
libstdc++-devel-4.4.4-13.el6.x86\_64   
libstdc++-4.4.4-13.el6.i686   
libstdc++-4.4.4-13.el6.x86\_64   
libXi-1.3-3.el6.i686   
libXp-1.0.0-15.1.el6.i686   
libXp-1.0.0-15.1.el6.x86\_64   
libaio-0.3.107-10.el6.i686   
libaio-0.3.107-10.el6.x86\_64   
libgomp-4.4.4-13.el6.x86\_64   
make-3.81-19.el6.x86\_64   
gdbm-1.8.0-36.el6.i686   
gdbm-1.8.0-36.el6.x86\_64   
sysstat-9.0.4-11.el6.x86\_64   
util-linux-ng-2.17.2-6.el6.x86\_64   
compat-glibc-2.5-46.2.x86\_64                 
compat-glibc-headers-2.5-46.2.x86\_64  
 此外，对于运行11gR2的数据库层，如下RPMs被需要安装在数据库层:  
compat-libcap1-1.10-1.x86\_64   
compat-libstdc++-33-3.2.3-69.el6.x86\_64   
elfutils-libelf-devel-0.148.1-el6.x86\_64   
libaio-devel-0.3.107-10.el6.i686   
libaio-devel-0.3.107-10.el6.x86\_64   
unixODBC-2.2.14-11.el6.i686   
unixODBC-devel-2.2.14-11.el6.i686   
xorg-x11-utils-7.4-8  
或者在数据库节点，我们可以安装如下软件包，软件包从[http://linux.oracle.com](http://linux.oracle.com/)或者[http://public-yum.oracle.com](http://public-yum.oracle.com/)下载  
oracle-rdbms-server-11gR2-preinstall.x86\_64  
所有的rpm包安装完成后执行命令：  
ldconfig –v  
4) 系统软件需求  
以下工具应该在运行Rapid Install的用户root、数据库层用户oratest和应用层用户appltest的PATH环境变量中：  
ar, gcc, g++, ld, ksh, make,linux32, X Display Server  
用which命令来检查ar, gcc, g++, ld, ksh, make是否在PATH中：  
# which ar gcc g++ ld ksh make linux32  
5) 修改内核设置/etc/sysctl.conf  
/etc/sysctl.conf中添加如下内容  
fs.aio-max-nr = 1048576  
fs.file-max = 6815744  
#kernel.shmall = 2097152  
#kernel.shmmax = 536870912  
kernel.shmmni = 4096  
kernel.sem = 256 32000 100 142  
net.ipv4.ip\_local\_port\_range = 9000 65500  
net.core.rmem\_default = 262144  
net.core.rmem\_max = 4194304  
net.core.wmem\_default = 262144  
net.core.wmem\_max = 1048586  
修改完后运行命令：  
sysctl -p  
6) 修改DNS解析参数  
 /etc/resolv.conf 加入：  
options attempts:5  
options timeout:15  
7) 确认主机名  
/etc/hosts  
192.168.2.6        hbcoreapp6.hbins.com  hbcoreapp6  
注：hosts文件内容格式如下：  
[ip\_address] [node\_name].[domain\_name] [node\_name]  
8) 修改/etc/security/limits.conf  
/etc/security/limits.conf添加如下内容：  
@dba       soft    nproc   2047  
@dba       hard    nproc   16384  
@dba       soft    nofile  4096  
@dba       hard    nofile  65536  
@dba       hard    stack   16384  
@dba       soft    stack   10240

9) patch 6078836(linux5和linux6)  
此patch在/rpm目录下  
cd /app/rpm/6078836  
mv /usr/lib/libdb.so.2 /usr/lib/libdb.so.2.6078836   
cp libdb.so.2 /usr/lib

10) libXtst.so.6(linux5和linux6)  
# unlink /usr/lib/libXtst.so.6  
# ln -s /usr/X11R6/lib/libXtst.so.6.1 /usr/lib/libXtst.so.6

11) selinux

/etc/selinux/config  
--> SELINUX=disabled

service iptables status  
防火墙已停  
12) swap检查  
一般swap设置为内存的一到两倍，如果内存较大，则至少swap要设置为16G  
top - 15:07:50 up 7 days,  1:24,  5 users,  load average: 1.30, 1.27, 1.13  
Tasks: 733 total,   2 running, 730 sleeping,   1 stopped,   0 zombie  
Cpu(s):  2.2%us,  1.0%sy,  0.0%ni, 96.5%id,  0.3%wa,  0.0%hi,  0.0%si,  0.0%st  
Mem:  33007244k total, 20963068k used, 12044176k free,   411684k buffers  
Swap: 33554424k total,   390624k used, 33163800k free,  5422140k cached  
当前swap符合条件  
13) 检查Linux线程模式  
Linux 线程模式必须是NPTL  
# getconf GNU\_LIBPTHREAD\_VERSION  
NPTL 2.21.4  
14) reboot linux  
重启linux  
reboot

2、克隆EBS测试环境

通过克隆的方式进行EBS测试环境的搭建。  
上传解压此处省略  
1) 将解压出来的EBSapps放到/app/12.2.3/apps/fs1中  
#mv EBSapps /app/12.2.3/apps/fs1/  
#chown –R appltest:dba /app/12.2.3/apps  
2) 将解压出来的db放到/app/12.2.3下  
#mv db /app/12.2.3/  
#chown –R oratest:dba /app/12.2.3/db  
3) 编辑/etc/oraInst.loc  
编辑/etc/oraInst.loc，修改为：  
inventory\_loc=/app/12.2.3/oraInventory  
inst\_group=dba  
创建oraInventory目录  
mkdir -p /app/12.2.3/oraInventory  
chmod 777 /app/12.2.3/oraInventory  
chown –Rh oratest:dba /app/12.2.3/oraInventory

4) clone数据库层

以oratest用户登录后操作：  
[root@HBCOREAPP6 ~]# su - oratest  
[oratest@HBCOREAPP6 ~]$ cd /app/12.2.3/db/tech\_st/11.2.0/appsutil/clone/bin  
[oratest@hbcoreapp6 bin]$ perl adcfgclone.pl dbTier

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                                 Version 12.2

                      adcfgclone Version 120.63.12020000.7.1202010.2

Enter the APPS password : 【apps密码】

Running:  
/app/12.2.3/db/11.2.0/appsutil/clone/bin/../jre/bin/java -Xmx600M -cp /app/12.2.3/db/11.2.0/appsutil/clone/jlib/java:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/xmlparserv2.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/ojdbc5.jar oracle.apps.ad.context.CloneContext -e /app/12.2.3/db/11.2.0/appsutil/clone/bin/../context/db/CTXORIG.xml -validate -pairsfile /tmp/adpairsfile\_20755.lst -stage /app/12.2.3/db/11.2.0/appsutil/clone  2> /tmp/adcfgclone\_20755.err; echo $ > /tmp/adcfgclone\_20755.res

Log file located at /app/12.2.3/db/11.2.0/appsutil/clone/bin/CloneContext\_0613233344.log

Provide the values required for creation of the new Database Context file.

Target System Hostname (virtual or normal) [hbcoreapp6] : 【默认值】

Target Instance is RAC (y/n) [n] : n【选择n】

Target System Database SID : TEST【填写数据库sid】

Target System Base Directory : /app/12.2.3【填写ORACLE\_BASE】

Target System utl\_file\_dir Directory List : /app/12.2.3/tmp【utl\_file\_dir目录】

Number of DATA\_TOP's on the Target System [1] : 【询问数据文件是否在一个目录下】

Target System DATA\_TOP Directory 1 [/app/12.2.3/db/data] : /app/12.2.3/db/data  
【填写数据文件目录】  
Target System RDBMS ORACLE\_HOME Directory [/app/12.2.3/11.2.0] : /app/12.2.3/db/11.2.0【填写ORACLE\_HOME】

Do you want to preserve the Display [ebstest:0.0] (y/n)  : n【选择n】

Target System Display [hbcoreapp6:0.0] : hbcoreapp6:1.0【填写DISPLAY值】

Do you want the target system to have the same port values as the source system (y/n) [y]  : n【询问是否和源环境端口一致】

Target System Port Pool [0-99] : 0【选择端口号】

Checking the port pool 0  
done: Port Pool 0 is free  
Report file located at /app/12.2.3/db/11.2.0/appsutil/temp/portpool.lst  
Complete port information available at /app/12.2.3/db/11.2.0/appsutil/temp/portpool.lst

Creating the new Database Context file from :  
  /app/12.2.3/db/11.2.0/appsutil/template/adxdbctx.tmp

The new database context file has been created :  
  /app/12.2.3/db/11.2.0/appsutil/TEST\_hbcoreapp6.xml

Log file located at /app/12.2.3/db/11.2.0/appsutil/clone/bin/CloneContext\_0613233344.log  
Check Clone Context logfile /app/12.2.3/db/11.2.0/appsutil/clone/bin/CloneContext\_0613233344.log for details.

Running Rapid Clone with command:  
Running:  
perl /app/12.2.3/db/11.2.0/appsutil/clone/bin/adclone.pl java=/app/12.2.3/db/11.2.0/appsutil/clone/bin/../jre mode=apply stage=/app/12.2.3/db/11.2.0/appsutil/clone component=dbTier method=CUSTOM dbctxtg=/app/12.2.3/db/11.2.0/appsutil/TEST\_hbcoreapp6.xml showProgress contextValidated=true

Beginning database tier Apply - Fri Jun 13 23:37:42 2014

/app/12.2.3/db/11.2.0/appsutil/clone/bin/../jre/bin/java -Xmx600M -DCONTEXT\_VALIDATED=true  -Doracle.installer.oui\_loc=/app/12.2.3/db/11.2.0/oui -classpath /app/12.2.3/db/11.2.0/appsutil/clone/jlib/xmlparserv2.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/ojdbc6.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/java:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/oui/OraInstaller.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/oui/ewt3.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/oui/share.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/oui/srvm.jar:/app/12.2.3/db/11.2.0/appsutil/clone/jlib/ojmisc.jar   oracle.apps.ad.clone.ApplyDBTier -e /app/12.2.3/db/11.2.0/appsutil/TEST\_hbcoreapp6.xml -stage /app/12.2.3/db/11.2.0/appsutil/clone   -showProgress  
APPS Password : Log file located at /app/12.2.3/db/11.2.0/appsutil/log/TEST\_hbcoreapp6/ApplyDBTier\_06132337.log  
  -     15% completed

Completed Apply...  
Fri Jun 13 23:47:31 2014

Starting database listener for TEST:  
Running:  
/app/12.2.3/db/11.2.0/appsutil/scripts/TEST\_hbcoreapp6/addlnctl.sh start TEST  
Logfile: /app/12.2.3/db/11.2.0/appsutil/log/TEST\_hbcoreapp6/addlnctl.txt

You are running addlnctl.sh version 120.4

Starting listener process TEST ...

Listener TEST has already been started.

addlnctl.sh: exiting with status 0

addlnctl.sh: check the logfile /app/12.2.3/db/11.2.0/appsutil/log/TEST\_hbcoreapp6/addlnctl.txt for more information ...  
至此数据库层clone结束，数据库和监听已启动

3) 克隆run apps

[root@HBCOREAPP6 ~]# su - appltest  
[appltest@HBCOREAPP6 ~]$ cd /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin  
[appltest@hbcoreapp6 bin]$ perl adcfgclone.pl appsTier

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                      adcfgclone Version 120.63.12020000.26

Enter the APPS password :   
Running:  
/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre/bin/java -Xmx600M -classpath /app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/obfuscatepassword.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojmisc.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/emCfg.jar oracle.apps.ad.clone.util.OPWrapper -encryptpwd /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../FMW/tempinfoApps.txt

Enter the Weblogic AdminServer password : 【apps密码】  
Running:  
/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre/bin/java -Xmx600M -classpath /app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/obfuscatepassword.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojmisc.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/emCfg.jar oracle.apps.ad.clone.util.OPWrapper /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../FMW/tempinfo.txt  
Running:  
/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre/bin/java -Xmx600M -classpath /app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/obfuscatepassword.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojmisc.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/emCfg.jar oracle.apps.ad.clone.util.OPWrapper /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../FMW/EBSDataSource

Do you want to add a node (yes/no) [no] : 【选择no】

Running:  
/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre/bin/java -Xmx600M -cp /app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/xmlparserv2.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojdbc5.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/obfuscatepassword.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojmisc.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/emCfg.jar oracle.apps.ad.context.CloneContext -e /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../context/apps/CTXORIG.xml -validate -pairsfile /tmp/adpairsfile\_29302.lst -stage /app/12.2.3/apps/fs1/EBSapps/comn/clone  2> /tmp/adcfgclone\_29302.err; echo $ > /tmp/adcfgclone\_29302.res

Log file located at /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/CloneContext\_0614004256.log

Target System File Edition type [run] : 【默认】

Provide the values required for creation of the new APPL\_TOP Context file.

Target System Hostname (virtual or normal) [hbcoreapp6] : 【默认选项】

Target System Database SID : TEST【数据库SID】

Target System Database Server Node [hbcoreapp6] : 【数据库hostname】

Target System Database Domain Name [hbins.com] : 【数据库服务器域名】

Target System Base Directory : /app/12.2.3/apps【BASE目录】

Target System Base Directory set to /app/12.2.3/apps

Target System Current File System Base set to /app/12.2.3/apps/fs1

Target System Other File System Base set to /app/12.2.3/apps/fs2

Target System Fusion Middleware Home set to /app/12.2.3/apps/fs1/FMW\_Home

Target System Web Oracle Home set to /app/12.2.3/apps/fs1/FMW\_Home/webtier

Target System Appl TOP set to /app/12.2.3/apps/fs1/EBSapps/appl

Target System COMMON TOP set to /app/12.2.3/apps/fs1/EBSapps/comn

Target System Instance Home Directory [/app/12.2.3/apps] :【inst目录】

Target System Instance Top set to   
/app/12.2.3/apps/fs1/inst/apps/TEST\_hbcoreapp6

Do you want to preserve the Display [ebstest:0.0] (y/n)  : n【选择n】

Target System Display [hbcoreapp6:0.0] : hbcoreapp6:1.0【填写DISPLAY值】

Target System Root Service [enabled] : 【默认】

Target System Web Administration [enabled] : 【默认】

Target System Web Entry Point Services [enabled] : 【默认】

Target System Web Application Services [enabled] : 【默认】

Target System Batch Processing Services [enabled] : 【默认】

Target System Other Services [disabled] : 【默认】

Do you want the target system to have the same port values as the source system (y/n) [y]  : n【询问是否端口和源环境一致】

Target System Port Pool [0-99] : 10【填写应用端口】

Checking the port pool 10  
done: Port Pool 10 is free  
Report file located at /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/admin/out/portpool.lst  
Complete port information available at /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/admin/out/portpool.lst  
RC-40201: Unable to connect to Database TEST.

Enter the Database listener port [1531] : 1521【填写数据库监听端口】

UTL\_FILE\_DIR on database tier consists of the following directories.

1. /usr/tmp  
2. /app/12.2.3/tmp  
3. /app/12.2.3/db/11.2.0/appsutil/outbound/TEST\_hbcoreapp6  
4. /usr/tmp  
Choose a value which will be set as APPLPTMP value on the target node [1] : 2【选择前面utl\_file\_dir的目录】

Creating the new APPL\_TOP Context file from :  
  /app/12.2.3/apps/fs1/EBSapps/comn/clone/context/apps/adxmlctx.tmp

The new APPL\_TOP context file has been created :  
  /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/appl/admin/TEST\_hbcoreapp6.xml

Log file located at /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/CloneContext\_0614004256.log  
Check Clone Context logfile /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/CloneContext\_0614004256.log for details.

Running Rapid Clone with command:  
Running:  
perl /app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/adclone.pl java=/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre mode=apply stage=/app/12.2.3/apps/fs1/EBSapps/comn/clone component=appsTier method=CUSTOM appctxtg=/app/12.2.3/apps/fs1/inst/apps/TEST\_hbcoreapp6/appl/admin/TEST\_hbcoreapp6.xml showProgress contextValidated=true

FMW Pre-requisite check log file location : /app/12.2.3/apps/fs1/EBSapps/comn/clone/FMW/logs/prereqcheck.log

Running: /app/12.2.3/apps/fs1/EBSapps/comn/clone/FMW/t2pjdk/bin/java -classpath /app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/Scripts/ext/jlib/engine.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/OraPrereq.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/OraPrereqChecks.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/OraInstaller.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/OraInstallerNet.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/srvm.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/Scripts/ext/jlib/ojdl.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/Scripts/ext/jlib/ojdl2.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/Scripts/ext/jlib/ojdl-log4j.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/xmlparserv2.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/prereq/webtier/oui/jlib/share.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java oracle.apps.ad.clone.util.FMWOracleHomePreReqCheck -prereqCheckFMW -e /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/appl/admin/TEST\_hbcoreapp6.xml -stage /app/12.2.3/apps/fs1/EBSapps/comn/clone -log /app/12.2.3/apps/fs1/EBSapps/comn/clone/FMW/logs/prereqcheck.log

Beginning application tier Apply - Sat Jun 14 00:45:08 2014

/app/12.2.3/apps/fs1/EBSapps/comn/clone/bin/../jre/bin/java -Xmx600M -DCONTEXT\_VALIDATED=true -Doracle.installer.oui\_loc=/oui -classpath /app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/xmlparserv2.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojdbc6.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/java:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/oui/OraInstaller.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/oui/ewt3.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/oui/share.jar:/app/12.2.3/apps/fs1/FMW\_Home/webtier/../Oracle\_EBS-app1/oui/jlib/srvm.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/ojmisc.jar:/app/12.2.3/apps/fs1/FMW\_Home/wlserver\_10.3/server/lib/weblogic.jar:/app/12.2.3/apps/fs1/EBSapps/comn/clone/jlib/obfuscatepassword.jar  oracle.apps.ad.clone.ApplyAppsTier -e /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/appl/admin/TEST\_hbcoreapp6.xml -stage /app/12.2.3/apps/fs1/EBSapps/comn/clone    -showProgress -nopromptmsg  
Log file located at /app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/admin/log/clone/ApplyAppsTier\_06140045.log  
  -    100% completed

Completed Apply...  
Sat Jun 14 01:07:40 2014

 Executing command: /app/12.2.3/apps/fs1/EBSapps/10.1.2/bin/sqlplus @/app/12.2.3/apps/fs1/EBSapps/appl/ad/12.0.0/patch/115/sql/truncate\_ad\_nodes\_config\_status.sql

Do you want to startup the Application Services for TEST (y/n) [n] : y【询问是否开启应用】

至此应用层run apps克隆完毕

4) 克隆patch apps

appltest登录后  
在run fs上执行  
$ cd <INST\_TOP>/admin/scripts  
$ perl adpreclone.pl appsTier  
在目标系统上，把run fs的应用文件拷贝到patch fs应用文件目录  
$cp –r /app/12.2.3/apps/fs1/EBSapps  /app/12.2.3/apps/fs2/  
[appltest@hbcoreapp6 bin]$ perl adcfgclone.pl appsTier  
这里需要注意两个地方：  
Target System File Edition type [run] :patch【填写patch】  
要求输入run fs的CONTEXT FILE文件的位置，请输入绝对路径，如：  
/app/12.2.3/apps/fs1/inst/fs1/inst/apps/TEST\_hbcoreapp6/appl/admin/TEST\_hbcoreapp6.xml  
4) 修改profile&创建启动关闭脚本  
appltest登录后  
[appltest@hbcoreapp6 ~]$ vi .bash\_profile  
添加  
. /app/12.2.3/apps/fs1/EBSapps/appl/APPSTEST\_hbcoreapp6.env  
[appltest@hbcoreapp6 ~]$ vi startapp.sh   
$INST\_TOP/admin/scripts/adstrtal.sh apps/apps  
[appltest@hbcoreapp6 ~]$ vi stopapp.sh   
$INST\_TOP/admin/scripts/adstpall.sh apps/apps

oratest登录后  
[oratest@hbcoreapp6 ~]$ vi .bash\_profile  
. /app/12.2.3/db/11.2.0/TEST\_hbcoreapp6.env  
[oratest@hbcoreapp6 ~]$ vi startdb.sh   
$ORACLE\_HOME/appsutil/scripts/TEST\_hbcoreapp6/addlnctl.sh start TEST  
$ORACLE\_HOME/appsutil/scripts/TEST\_hbcoreapp6/addbctl.sh start  
[oratest@hbcoreapp6 ~]$ vi stopdb.sh   
$ORACLE\_HOME/appsutil/scripts/TEST\_hbcoreapp6/addbctl.sh stop immediate  
$ORACLE\_HOME/appsutil/scripts/TEST\_hbcoreapp6/addlnctl.sh stop TEST