

Upgrading Oracle Application Server 9i to 10G

Alex Praskurnin
Nov 16, 2004

1. Pre-install 10gAS
 - Shutdown 9iAS
 - Disable automatic startup of 9iAS if it was set up
 - Apply Windows service pack 4, at least to service pack 3

2. Install 10gAS infrastructure
 - Run setup.exe from Disk1
 - Choose infrastructure
 - Install with default parameters except "character set", it should be WE8ISO8859P1, need double check for Production
 - Put OASIN when being asked instance name

3. Install 10gAS middle tier
 - Run setup.exe from Disk1
 - Choose Application server
 - Choose install type "Business and Forms"
 - Enter host as "lpf2server.procaselan1.com" and port as "389" when installing OID
 - Leave blank when being asked "Outgoing Mail Server"
 - Put OASMT when being asked instance name
 - *Passwords for orcladm and ias_admin are manager1.*

4. Create a report service
 - Go to CMD
 - Cd \$OH/bin
 - Rwservlet -install lpfuat

5. Bring down middle tier

6. Configure 10gAS middle tier
 - Make backups for all configuration file which will be modified
 - Best way is to copy the following from 10gAS UAT
 - a. Formsweb.cfg
 - b. Forms90.cfg
 - c. Uat.env
 - d. Lpfuat.conf
 - e. Rwservlet.properties
 - f. Registry.dat
 - Copy \$OH/forms90/server/basejini.htm, no changes are needed.
 - Copy \$OH/forms90/fmrtestweb.res, no changes are required

- Modify \$OH/forms90/server/formsweb.cfg :

```
#ap
form=main.fmx
term=c:\\oasmt\\forms90\\fmrtestweb.res

#ap
serverURL=/forms90/I90servlet
codebase=/forms90/java
imageBase=DocumentBase
width=100%
height=100%
separateFrame=false
splashScreen=http://lpf2server.procaselan1.com:7779/forms90/images/procase.jpg
lookandfeel=Generic
colorScheme=teal
background=http://lpf2server.procaselan1.com:7779/forms90/images/lpf800x600.jpg
formsMessageListener=
recordFileName=

# Single Sign-On OID configuration parameter
oid_formsid=formsApp
oracle_home=D:\OASMT
#oid_formsid=formsApp_lpf2server.procaselan1.com_A31BE0500B7A4579AFEAF587E9DDCED
#oracle_home=d:\OASMT
#formsid_group_dn=cn=Logical Application Group,
orclApplicationCommonName=formsApp_lpf2server.procaselan1.com_A31BE0500B7A4579AFEAF587E9DDCED, cn=forms, cn=Products, cn=OracleContext
#ssoDynamicResourceCreate=true
#ssoErrorUrl=
#ssoCancelUrl=
#ssoMode=false
#allow_debug=false
#allowNewConnections=true

#ap
[prod]
workingDirectory=c:\lpf\prod\forms
envFile=prod.env
#separateFrame=true

[uat]
workingDirectory=c:\lpf\uat\forms
envFile=uat.env

[dev]
workingDirectory=c:\lpf\dev\forms
envFile=dev.env
#separateFrame=true
```

- Modify \$OH/forms90/server/forms90.cfg
#ap
Virtual path for ICONS (used to show icons in a form)
AliasMatch ^/forms90/icons/(..*) "C:\lpf/icons/\$1"

5. Modify uat.env

```
#ap
FORMS90_PATH=C:\lpf\uat\forms;C:\lpf\templates;c:\OASMT\forms90
```

```
#ap
#ib20030626
DOCUMENTROOT_DIRECTORY=C:\OASMT\Apache\Apache\htdocs
REPSERVER_NAME=lpfuat
PENAPP_USERNAME=uat
PENAPP_PASSWORD=uat
#ib20030926
MOD_PLSQL_DAD_NAME=uat
```

```
#ab20040220
FORMS90_USER_DATE_FORMAT RRRR-MON-DD | RRRR-MM-DD
FORMS90_OUTPUT_DATE_FORMAT RRRR-MON-DD | RRRR-MM-DD
#ab
```

- Modify \$OH/forms90/java\oracle\forms\registry\Registry.dat
#ap
default.icons.iconpath=http://lpf2server.procaselan1.com/forms90/icons
default.icons.iconextension=gif
- Modify \$OH/reports/conf/rwservlet.properties
SERVER_IN_PROCESS=NO
SINGLESIGNON=NO
#OID_ENTITY=reportsApp_www.lpfcec.org_3E93DA85E46C4696B62E43E3D96BB16D

- Modify \$OH/reports/conf/lpfuat.conf

```
<jobStatusRepository class="oracle.reports.server.JobRepositoryDB">  
  <property name="repositoryConn" value="penapp/penapp@pc1.procaselan1.com"  
confidential="yes" encrypted="no"/>  
</jobStatusRepository>
```

Note: First modify as above then start up report service, the user/password will be encrypted. So stop service then modify encrypted="yes"

```
<cache class="oracle.reports.cache.RWCache">  
  <property name="cacheSize" value="200"/>  
  <property name="cacheDir" value="c:\lpf\uat\cache"/>  
  <!--property name="maxCacheFileNumber" value="max number of cache files"/-->  
  <!--property name="ignoreParameters" value="parameter names to be ignored in  
constructing cache key, separated by comma ','/-->  
</cache>
```

```
<engine id="rwEng" class="oracle.reports.engine.EngineImpl" initEngine="1" maxEngine="5"  
minEngine="0" engLife="1" maxIdle="30" callbackTimeOut="60000">  
  <property name="sourceDir" value="d:\lpf\uat\reports"/>  
  <property name="tempDir" value="d:\lpf\uat\temp"/>  
</engine>
```

```
<!--security id="rwSec" class="oracle.reports.server.RWSecurity">  
  <property name="securityUserId"  
value="%PORTAL_DB_USERNAME%/%PORTAL_DB_PASSWORD%@%PORTAL_DB_TN  
SNAME%" confidential="yes" encrypted="no"/>  
  <property name="oidEntity"  
value="reportsApp_www.lpfcec.org_3E93DA85E46C4696B62E43E3D96BB16D"/>  
</security-->
```

Note: comment out

```
<job jobType="report" engineId="rwEng" securityId="rwSec"/>  
<job jobType="rwurl" engineId="rwURLEng" securityId="rwSec"/>
```

Note: remove securityId='rwSec'

- Modify \$OH/apache/apache/conf/mime.types, replace "application/pdf pdf" to "application/x-pdf pdf" on middle tier

7. Create DAD uat

- Login EM(URL <http://lpf2server.procaselan1.com:1813>)
- Click middle tier
- Click HTTP server
- Click Administration
- Click PL/SQL properties
- Click DADs then create a new DAD uat, it is saw under \$OH/apache/modplsql/conf/dads.conf

```
<Location /uat>
    SetHandler pls_handler
    Order allow,deny
    Allow from All
    AllowOverride None
    PlsqlDatabaseUsername uat
    PlsqlDatabasePassword @BbkTgL5wmE07BkRvX50yg7Y=
    PlsqlDatabaseConnectString pcl TNSFormat
    PlsqlAuthenticationMode Basic
    PlsqlDocumentTablename uat.system_document
    PlsqlDocumentPath docs
    PlsqlDocumentProcedure uat.sys2011.process_download
</Location>
```