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## Upgrade Oracle E-Business Suite from R12.1.2 to R12.1.3

**Oracle E-Business Suite Applications Technology Readme for Release 12.1.3 (R12.ATG\_PF.B.delta.3, Patch 8919491) (Doc ID 1066312.1)**

1> Apply Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3) only to an existing environment on Release 12.1.1 or higher

- Check that your current release is at least R12.1.1

```
SQL> select release_name from apps.fnd_product_groups;
```

```
RELEASE_NAME
```

```
-----  
12.1.2
```

2> Before Applying Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3) , perform the below activities

a> All customers should refer to [Document 761570.1](#) to ensure that all patches for your specific database release are applied on the environment before you upgrade to Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3).

-- Check the note and follow the instructions as required

b> Because the OracleAS 10g Patchset 10.1.3.x for Oracle E-Business Suite Release 12 document is updated regularly, you must verify the requirements in the latest version of the document for your patchset level ([Document 454811.1](#) for Patchset 10.1.3.5 or [Document 728531.1](#) for Patchset 10.1.3.4) and apply all the required patches mentioned in the document before upgrading to Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3).

```
grep "ias_version" $CONTEXT_FILE  
<ias_version oa_var="s_ias_version">10.1.3.5.0</ias_version>
```

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### Apply Any Additional OracleAS 10g Patches

Patch 8999551

```
cd $IAS_ORACLE_HOME
```

```
cd .patch_storage
```

```
ls
```

```
4880540 5220710 5513480 7139339 8857799
4912149 5249974 5526722 7147682 8999551
4930447 5336264 5527265 7165764 9371120
4952820 5348943 5576216 7393405 LsInventory__06-26-2010_12-12-33.log
4992357 5389100 5586892 7411481 LsInventory__07-23-2010_15-00-36.log
4997187 5389204 6083647 7484199 LsInventory__07-26-2010_09-14-18.log
5017026 5460977 6488072 7580744 LsInventory__10-29-2007_00-27-04.log
5035740 5472947 6702510 7692665 LsInventory__10-29-2007_00-31-20.log
5132392 5475997 6877627 8555288 patch_free
5198652 5499395 7139320 8607523 tmp
```

```
cd 8999551
```

Note – Patch is already available

c> Also, because the OracleAS 10g Patchset 10.1.2.3 for Forms and Reports for Oracle E-Business Suite Release 12 document, Document 437878.1 is updated regularly, you must verify the requirements in the latest version of the document and apply all the required patches mentioned in the document before upgrading to Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3).

```
grep "forms_version" $CONTEXT_FILE
```

```
<forms_version oa_var="s_forms_version">10.1.2.3.0</forms_version>
```

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## Apply Additional OracleAS 10g Patches

Patch 6880880

Simple Search

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Description	<b>OPatch 9i, 10.1</b>
Product	<b>Universal Installer</b>
Select a Release	Oracle 10.1.0.0.0
Platform or Language 	Linux x86
Last Updated	<b>25-SEP-2009</b>
Size	<b>25M (26365978 bytes)</b>
Support Level 	General Support
Classification 	General

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### Apply the latest OPatch on application tier

```
cd $ORACLE_HOME  
mv OPatch old_OPatch  
unzip p6880880_101000_LINUX.zip
```

\$ORACLE\_HOME/OPatch/opatch version

Oracle Interim Patch Installer version 1.0.0.0.63  
Copyright (c) 2009 Oracle Corporation. All Rights Reserved..

Oracle recommends you to use the latest OPatch version and read the OPatch documentation available in the OPatch/docs directory for usage. For information about the latest OPatch and other support-related issues, refer to document ID 293369.1 available on My Oracle Support (<https://myoraclesupport.oracle.com>)

OPatch Version: 1.0.0.0.63

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Additional patches to be applied on 10.1.2.3.0

9295268 - not applied  
7121788 - already applied  
6995251 - already applied  
8528194 - not applied  
6857221 - already applied  
4407272 - already applied  
4526825 - already applied  
7329300 - already applied  
8557019 - not applied  
9084276 - not applied  
8940272 - not applied  
8947375 - not applied  
6998181 - not applied  
9357237 - not applied  
7552880 - not applied  
7016961 - already applied  
5917053 - already applied  
6371228 - already applied  
6497684 - not applied  
7426842 - not applied  
7140392 - not applied  
8300196 - already applied  
8602992 - not applied  
8919489 - not applied

-- Stop the application services

```
cd $ADMIN_SCRIPTS_HOME  
sh adstpall.sh apps/apps
```

-- Enable the maintenance mode

```
adadmin defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=adadmin.log menu_option=ENABLE_MAINT_MODE workers=8
```

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Download the patches required and apply the patches

a> Apply the patch 9295268

```
cd 9295268
```

```
$ORACLE_HOME/OPatch/opatch apply
```

Cannot open the file: /etc/oraInst.loc

Please use -invPtrLoc option and specify the correct file for OPatch to look for central inventory.

ERROR: OPatch failed because of Inventory problem.

**Solution** –

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc /full/path/oraInst.loc
```

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc $ORACLE_HOME/  
oraInst.loc
```

```
Conflicting patches: 7229760,  
  
Patch(es) 7229760, conflict with the patch currently being installed (9295268).  
  
If you continue, patch(es) 7229760, will be rolled back and the  
new patch (9295268) will be installed.  
  
Note: If the patch currently being installed (9295268) is rolled back,  
it is recommended that the fixes being rolled back here (7229760, ) are reinstalled.  
  
If a merge of the new patch (9295268) and the conflicting patch(es)  
7229760, is required, contact Oracle Support Services and request  
a Merged patch.  
  
Do you want to STOP?  
Please respond Y|N >  
N
```

```
Please respond Y|N >  
Y  
Rolling back patch 7229760...
```

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```
Inventory is good and does not have any dangling patches.  
  
Updating inventory...  
  
Verifying patch...  
Backing up comps.xml ...  
  
OPatch succeeded.
```

-- Apply patch 8557019

```
cd $PATCH_TOP
```

```
cd 8557019
```

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc  
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 8551790 - preq for 8557019

```
cd $PATCH_TOP
```

```
cd 8551790
```

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc  
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 8557019

```
chmod +x $ORACLE_HOME/bin/genshlib
```

```
export DE_ALL_OBJECTS_HINT=YES
```

```
cd 8557019
```

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc  
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 9084276

```
cd $PATCH_TOP
```

```
cd 9084276
```

```
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc  
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

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-- Apply patch 8940272

```
cd $PATCH_TOP
cd 8940272
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 8947375

```
cd $PATCH_TOP
cd 8947375
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 6998181

```
cd $PATCH_TOP
cd 6998181
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 9357237

```
cd $PATCH_TOP
cd 9357237
$ORACLE_HOME/OPatch/opatch napply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 7552880

```
cd $PATCH_TOP
cd 7552880
$ORACLE_HOME/OPatch/opatch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

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-- Apply patch 6497684

```
cd $PATCH_TOP
cd 6497684
$ORACLE_HOME/OPatch/patch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 7426842

```
cd $PATCH_TOP
cd 7426842
```

```
$ORACLE_HOME/OPatch/patch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 7140405

```
cd $PATCH_TOP
cd 7140405
```

```
$ORACLE_HOME/OPatch/patch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 8602992

```
cd $PATCH_TOP
cd 8602992
```

```
$ORACLE_HOME/OPatch/patch apply -invPtrLoc
/d01/oracle/TEST/apps/tech_st/10.1.2/oraInst.loc
```

-- Apply patch 8919489 - R12.TXK.B.Delta.3

```
cd $PATCH_TOP
cd 8919489
```

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt
logfile=u8919489.log patchtop=/d01/oracle/patches/R12.1.3/8919489
driver=u8919489.drv workers=8
```

- Check whether you are able to connect to the application by disabling the maintenance mode and starting the application



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### Applying Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG PF.B.delta.3)

- Use AutoPatch to apply R12.AD.B.DELTA.3, [Patch 9239089](#)
- Download and unzip Oracle E-Business Suite Applications Technology Release 12.1.3, [Patch 8919491](#) .

-- 9239089 - R12.AD.B.DELTA.3

1. Create \$ORACLE\_HOME/appsutil/admin on the database server.
2. Copy adgrants.sql (UNIX) from this patch directory to \$ORACLE\_HOME/appsutil/admin.  
Or, copy adgrants\_nt.sql (Windows) from this patch directory to %ORACLE\_HOME%\appsutil\admin.
3. Set the environment to point to ORACLE\_HOME on the database server.
4. Use SQL\*Plus to run the script:

```
UNIX:  
$ sqlplus /nolog  
SQL> @$ORACLE_HOME/appsutil/admin/adgrants.sql <APPS schema name>
```

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u9239089.log patchtop=/d01/oracle/patches/R12.1.3/9239089  
driver=u9239089.drv workers=8
```

-- 8919491 - prereq is R12.AD.B.DELTA.3 ( 9239089 )

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u8919491.log patchtop=/d01/oracle/patches/R12.1.3/8919491  
driver=u8919491.drv workers=8
```

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## Post-Install Steps

### 1. **Apply post-install Oracle E-Business Suite Applications Technology patches. (Required)**

Apply the following mandatory patches:

- 9869602:R12.OWF.B, [Patch 9869602](#)
- 9888158:R12.FND.B, [Patch 9888158](#)
- 9583541:R12.TXK.B, [Patch 9583541](#)
- 9794874:R12.FND.B, [Patch 9794874](#)
- 9907182:R12.FND.B, [Patch 9907182](#)

-- 9869602

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt
logfile=u9869602.log patchtop=/d01/oracle/patches/R12.1.3//9869602
driver=u9869602.drv workers=8
```

-- 9888158 - prereq - R12.AD.B.delta.3, R12.ATG\_PF.B.delta.3

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt
logfile=u9888158.log patchtop=/d01/oracle/patches/R12.1.3//9888158
driver=u9888158.drv workers=8
```

-- 9583541

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt
logfile=u9583541.log patchtop=/d01/oracle/patches/R12.1.3//9583541
driver=u9583541.drv workers=8
```

```
$ADPERLPRG $AD_TOP/bin/admkappsutil.pl
cd <RDBMS ORACLE_HOME>
./.<RDBMS ORACLE_HOME>/<CONTEXT_NAME>.env
```

Copy or FTP the appsutil.zip file to the <RDBMS ORACLE\_HOME>.  
Uncompress appsutil.zip under the <RDBMS ORACLE\_HOME>.

```
cd <ORACLE_HOME>
mv appsutil appsutil_old
unzip -o appsutil.zip
```

Run AutoConfig on the <RDBMS ORACLE\_HOME>.

```
cd $ORACLE_HOME/appsutil/bin
```

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```
perl adbdxml.pl appsuser=apps appspass=apps
```

Below is the error

```
JRE_TOP or java executable not found at its desired location /d01/oracle/TEST/db  
/tech_st/11.1.0/appsutil/jre,  
/d01/oracle/TEST/db/tech_st/11.1.0/appsutil/jre/bin/java
```

Solution :

```
Copy the jre from appsutil_old  
cd $ORACLE_HOME/appsutil_old  
cp -R jre /d01/oracle/TEST/db/tech_st/11.1.0/appsutil  
perl adbdxml.pl appsuser=apps appspass=apps
```

The context file has been created at:  
/d01/oracle/TEST/db/tech\_st/11.1.0/appsutil/PROD\_linux1.xml

```
Run autoconfig  
cd $ORACLE_HOME/appsutil/bin  
sh adconfig.sh
```

Enter the full path to the Context file: /d01/oracle/TEST/db/tech\_st/11.1.0/appsutil/  
TEST\_linux1.xml  
Enter the APPS user password:

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u9794874.log patchtop=/d01/oracle/patches/R12.1.3//9794874  
driver=u9794874.drv workers=8
```

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u9907182.log patchtop=/d01/oracle/patches/R12.1.3//9907182  
driver=u9907182.drv workers=8
```

## 2. **Update database tier nodes to the Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3) code level. (Required)**

After you have applied Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3), perform the following required post-install steps to update all database tier nodes to the AutoConfig code level that is provided by this release:

### **Application tier:**

- As the APPLMGR user, run the environment (UNIX) or the command (Windows) file for the current APPL\_TOP.

### **UNIX**

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For example:

```
. ./<APPL_TOP>/APPS<CONTEXT_NAME>.env
```

- Run the admkappsutil.pl utility to create the file appsutil.zip in the <INST\_TOP>/admin/out directory.

```
perl <AD_TOP>/bin/admkappsutil.pl
```

### **Database tier:**

- As the oracle user, run the environment (UNIX) or the command (Windows) file for the current ORACLE\_HOME.

### **UNIX**

```
cd <RDBMS ORACLE_HOME>  
. ./<RDBMS ORACLE_HOME>/<CONTEXT_NAME>.env
```

- Copy or FTP the appsutil.zip file to the <RDBMS ORACLE\_HOME>.
- Uncompress appsutil.zip under the <RDBMS ORACLE\_HOME>.

```
cd <ORACLE_HOME>  
unzip -o appsutil.zip
```

- Run AutoConfig on the <RDBMS ORACLE\_HOME>.
- Run AutoConfig on all nodes with an Appl\_Top. This is frequently referred to as the applications tier or non-database nodes.

### **UNIX**

```
adautocfg.sh
```

### **- Database tier and application tier:**

- Run adpreclone.pl on the database tier and the application tier. Since updates included in Oracle E-Business Suite Applications Technology Release 12.1.3 (R12.ATG\_PF.B.delta.3) were applied to the system, you must run the adpreclone again in order to apply the updates to the clone directory structures used during cloning.

```
perl adpreclone.pl dbTier  
perl adpreclone.pl appsTier
```

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**- Apply Oracle E-Business Suite Applications Technology Online Help.  
(Recommended)**

-- [Patch 9400185](#)

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u9400185.log patchtop=/d01/oracle/patches/R12.1.3/9400185  
driver=u9400185.drv workers=8
```

```
adpatch defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=u8678076.log patchtop=/d01/oracle/patches/R12.1.3//8678076  
driver=u8678076.drv workers=8
```

```
adadmin defaultsfile=$APPL_TOP/admin/$TWO_TASK/adalldefaults.txt  
logfile=adadmin.log menu_option=DISABLE_MAINT_MODE workers=8
```

```
cd $ADMIN_SCRIPTS_HOME
```

```
sh adstrtal.sh apps/apps
```

Connect to application and check whether things are fine

<http://linux1.com:8010>

Note - The (Patch 8919491 - Oracle Applications Technology 12.1.3 Product Family Release Update Pack) is not a maintenance pack, so I do not think it will update the RELEASE\_NAME column in FND\_PRODUCT\_GROUPS table.

<http://forums.oracle.com/forums/thread.jspa?threadID=1102006&tstart=119>

Ref -

**Oracle E-Business Suite Applications Technology Readme for Release 12.1.3 (R12.ATG\_PF.B.delta.3,  
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