**ORAAPPDEVKB and ORAAPPDEVAT 09 MARCH 2015
Patch:** TYE15 : Shared Parental Leave and Pay Changes April 2015

p20591016\_R12.SSP.B\_R12\_GENERIC.zip

# Beginning Patching

### Prerequisites

Passwords for the APPS user for either DEV, TEST or LIVE
Password for ORACLE SYSTEM
Passwords for apphr on the DEV, TEST or LIVE servers

**START TIME:** 13:00

Open a SSH (Secure Shell session) and log into the two UNIX DEV servers ORAAPPDEVKB and ORAAPPDEVAT as user apphr.

Using SSH File Transfer change to directory /u01/software/apphr/PATCHES (Test may be … /u03/software/apphr/PATCHES**)** . Change the transfer setting to **Binary** and copy the file to the server and copy the file **p20591016\_R12.SSP.B\_R12\_GENERIC.zip** to the server. This can be currently found in the Project folder:

K:\ISAPPS\dsg\Projects\PPP003\Patches

Repeat this on both servers (in the case of DEV, these are ORAAPPDEVKB and ORAAPPDEVAT).

It’s a good idea to open two SSH windows per server – one to apply the patches and below that, to review the generated LOG files the patching session will generate:



Now, stop HR application on the Application Server and Run the following commands. You only need to do this on sever ORAAPPDEVKB (or the currently active server):

**oraappdevkb-apphr >** hrenv

**oraappdevkb-apphr >** cd $ADMIN\_SCRIPTS\_HOME

**oraappdevkb-apphr >** ./adstpall.sh apps/<apps password>

This will run a series of shell scripts to disconnect the Applications tier.

Now check logs to ensure everything has stopped on the application tier:

**oraappdevkb-apphr >** tail -100 /u01/software/apphr/inst/apps/HRDEV\_oraappdevkb/logs/appl/admin/log/adstpall.log

**(For TEST**:

tail -100 /u03/software/apphr/inst/apps/HRTEST\_minard/logs/appl/admin/log/adstpall.log)

Make sure the concurrent manager has shut down by looking for FND processes (ps -ef | grep FND), there should be at no FND processes if shutdown successfully. This *can* take approx 5 mins.

**oraappdevkb-apphr >** ps -fu apphr

No processes running

If there are still processes running you can run ./adstpall again

**oraappdevkb-apphr >** ps -ef|grep FND

No FND (concurrent request) running – you should just see something like:

apphr 26287 13701 0 14:05:15 pts/10 0:00 grep FND

Run **adadmin** and respond to the questions with the defaults (just press **Enter**)

**oraappdevkb-apphr >** adadmin

Your default directory is '/u01/software/apphr/apps/apps\_st/appl'.

Is this the correct APPL\_TOP [Yes] ?

Filename [adadmin.log] : **adadmin\_09-03-2015.log**

You can be notified by email if a failure occurs.

Do you wish to activate this feature [No] ?

Please enter the batchsize [1000] :

You are about to use or modify Oracle Applications product tables

in your ORACLE database 'HRTEST'

using ORACLE executables in '/u03/software/apphr/apps/tech\_st/10.1.2'.

Is this the correct database [Yes] ?

Enter the password for your 'SYSTEM' ORACLE schema:

Enter the ORACLE password of Application Object Library [APPS] :

AD Administration is verifying your username/password.

The status of various features in this run of AD Administration is:

 <-Feature version in->

Feature Active? APPLTOP Data model Flags

------------------------------ ------- -------- ----------- -----------

CHECKFILE Yes 1 1 Y N N Y N Y

PREREQ Yes 6 6 Y N N Y N Y

CONCURRENT\_SESSIONS No 2 2 Y Y N Y Y N

PATCH\_TIMING Yes 2 2 Y N N Y N Y

PATCH\_HIST\_IN\_DB Yes 6 6 Y N N Y N Y

SCHEMA\_SWAP Yes 1 1 Y N N Y Y Y

JAVA\_WORKER Yes 1 1 Y N N Y N Y

CODELEVEL Yes 1 1 Y N N Y N Y

Identifier for the current session is 49281

Reading product information from file...

Reading language and territory information from file...

Reading language information from applUS.txt ...

Reading database to see what industry is currently installed.

Reading FND\_LANGUAGES to see what is currently installed.

Currently, the following language is installed:

Code Language Status

---- --------------------------------------- ---------

US American English Base

Your base language will be AMERICAN.

Setting up module information.

Reading database for information about the modules.

Saving module information.

Reading database for information about the products.

Reading database for information about how products depend on each other.

Reading topfile.txt ...

Saving product information.

Saving product information.

AD code level : [B.3]

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

 2. Maintain Applications Files menu

 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] :5

Choose Option 5 **Change maintenance mode**

Then choose Option 1 -- **Enable maintenance mode**

Maintenance Mode is currently: [Disabled].

Maintenance mode should normally be enabled when patching

Oracle Applications and disabled when users are logged on

to the system. See the Oracle Applications Maintenance

Utilities manual for more information about maintenance mode.

Please select an option:

 1. Enable Maintenance Mode

 2. Disable Maintenance Mode

 3. Return to Main Menu

Enter your choice [3] : 1

Enabled Maintenance mode at 13.15

Successfully enabled Maintenance Mode.

Review the messages above, then press [Return] to continue.

Press **3** to Return to Main Menu, then **6 Exit AD Administration**

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

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 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

BEFORE PATCHING ALWAYS MAKE SURE THAT THERE IS A COPY OF httpd.conf

oraappdevkb-apphr > cd /u01/software/apphr/apps/tech\_st/10.1.3/Apache/Apache/conf

 TEST is /u03/

oraappdevkb-apphr > cp -p httpd.conf httpd.conf\_MISKEEP\_09-03-2015

cd $COMMON\_TOP/\_pages

Then check the *folder* **\_oa\_\_html** exits (for example, ls \_oa\*)

If this folder does not exist an error will happen in the patching when trying to compile JPS pages

**cd** $COMMON\_TOP/\_pages

cd /u01/software/apphr/apps/apps\_st/comn/\_pages/\_oa\_\_html

TEST is /u03/software/apphr/apps/apps\_st/comn/\_pages/\_oa\_\_html

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* START PATCHING \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

Change to Directory where the patch was downloaded, unzip patch then change into patch directory

cd /u01/software/apphr/PATCHES

(TEST is /u03/software/apphr/PATCHES)

unzip p20591016\_R12.SSP.B\_R12\_GENERIC.zip

cd 20591016

You are now ready to run the **adpatch** utility to apply your patch:

Oraappdevat-apphr > adpatch

 Copyright (c) 2002 Oracle Corporation

 Redwood Shores, California, USA

 Oracle Applications AutoPatch

 Version 12.0.0

NOTE: You may not use this utility for custom development

 unless you have written permission from Oracle Corporation.

Attention: AutoPatch no longer checks for unapplied pre-requisite patches.

You must use OAM Patch Wizard for this feature. Alternatively, you can

review the README for pre-requisite information.

Your default directory is '/u03/software/apphr/apps/apps\_st/appl'.

Is this the correct APPL\_TOP [Yes] ?

AutoPatch records your AutoPatch session in a text file

you specify. Enter your AutoPatch log file name or press [Return]

to accept the default file name shown in brackets.

**Filename [adpatch.log] : adpatch\_09-03-2015.log**

You can be notified by email if a failure occurs.

Do you wish to activate this feature [No]?

Please enter the batchsize [1000] :

Please enter the name of the Oracle Applications System that this

APPL\_TOP belongs to.

The Applications System name must be unique across all Oracle

Applications Systems at your site, must be from 1 to 30 characters

long, may only contain alphanumeric and underscore characters,

and must start with a letter.

Sample Applications System names are: "prod", "test", "demo" and

"Development\_2".

Applications System Name [HRTEST] : HRTEST \*

NOTE: If you do not currently have certain types of files installed

in this APPL\_TOP, you may not be able to perform certain tasks.

Example 1: If you don't have files used for installing or upgrading

the database installed in this area, you cannot install or upgrade

the database from this APPL\_TOP.

Example 2: If you don't have forms files installed in this area, you cannot

generate them or run them from this APPL\_TOP.

Example 3: If you don't have concurrent program files installed in this area,

you cannot relink concurrent programs or generate reports from this APPL\_TOP.

Do you currently have files used for installing or upgrading the database

installed in this APPL\_TOP [YES] ? YES \*

Do you currently have Java and HTML files for HTML-based functionality

installed in this APPL\_TOP [YES] ? YES \*

Do you currently have Oracle Applications forms files installed

in this APPL\_TOP [YES] ? YES \*

Do you currently have concurrent program files installed

in this APPL\_TOP [YES] ? YES \*

Please enter the name Oracle Applications will use to identify this APPL\_TOP.

The APPL\_TOP name you select must be unique within an Oracle Applications

System, must be from 1 to 30 characters long, may only contain

alphanumeric and underscore characters, and must start with a letter.

Sample APPL\_TOP Names are: "prod\_all", "demo3\_forms2", and "forms1".

APPL\_TOP Name [oraappdevat] : oraappdevat \*

You are about to apply a patch to the installation of Oracle Applications

in your ORACLE database 'HRTEST'

using ORACLE executables in '/u03/software/apphr/apps/tech\_st/10.1.2'.

Is this the correct database [Yes] ?

AutoPatch needs the password for your 'SYSTEM' ORACLE schema

in order to determine your installation configuration.

Enter the password for your 'SYSTEM' ORACLE schema:

The ORACLE username specified below for Application Object Library

uniquely identifies your existing product group: APPLSYS

Enter the ORACLE password of Application Object Library [APPS] :

Enter the directory where your Oracle Applications patch has been unloaded

**The default directory is** **[/u01/software/apphr/PATCHES/20591016]:**

**Please enter the name of your AutoPatch driver file : u20591016.drv**

AD utilities can support a maximum of 999 workers. Your

current database configuration supports a maximum of 470 workers.

Oracle recommends that you use between 128 and 256 workers.

Enter the number of parallel workers [128] : **64**

Determining valid on-site files...

Skipping...

 Extract object modules from libraries for Specified driver

 since no such action is present for this driver file

Performing version checking...

Log and Info File sync point:

 Wed Dec 11 2013 10:53:31

 AutoPatch found some files which it will not apply.

 These files are listed in the AutoPatch informational message file.

Patching will commence and will generate a lot of on-screen messages … when it is finished you will be returned to the command prompt:

Done purging timing information for prior sessions.

AutoPatch is complete.

AutoPatch may have written informational messages to the file

/u01/software/apphr/apps/apps\_st/appl/admin/HRDEV/log/adpatch\_30\_07\_2014.lgi

TEST is : cd /u03/software/apphr/apps/apps\_st/appl/admin/HRTEST/log

Errors and warnings are listed in the log file

/u01/software/apphr/apps/apps\_st/appl/admin/HRDEV/log/adpatch\_30\_07\_2014.log

and in other log files in the same directory.

oraappdevkb-apphr >

In the *bottom* screen you should prepare to review your logs for errors.

oraappdevkb-apphr > cd /u01/software/apphr/apps/apps\_st/appl/admin/HRDEV/log/

Run the following commands:

grep -i 'error' \*.\*

In Dev there were the following errors all relating to old fast focumlas and can be ignored…

hrglobal\_09-03-15.log:Errors and warnings are listed in the log file

l1546384.req:APP-FF-33980: Internal error.

l1546384.req:A compilation error has been detected while attempting to generate package FFP51450\_01011996

l1546385.req:APP-FF-33980: Internal error.

l1546385.req:A compilation error has been detected while attempting to generate package FFP51451\_01011996

l1546386.req:APP-FF-33980: Internal error.

l1546386.req:A compilation error has been detected while attempting to generate package FFP5020\_01041993

l1546389.req:APP-FF-33980: Internal error.

l1546389.req:A compilation error has been detected while attempting to generate package FFP5022\_01041993

l1546389.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546390.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546390.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546390.req:APP-FF-33980: Internal error.

l1546390.req:A compilation error has been detected while attempting to generate package FFP5023\_01071997

l1546391.req:APP-FF-33980: Internal error.

l1546391.req:A compilation error has been detected while attempting to generate package FFP5021\_01041993

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546391.req:Cause: The variable named in the error message is being used before any value has been assigned to it, so it has no meaningful value.

l1546399.req:APP-FF-33980: Internal error.

l1546399.req:A compilation error has been detected while attempting to generate package FFP5019\_01041993

l1546400.req:APP-FF-33002: Syntax error : line 68 position 21

l1546400.req:Action: Correct the error in the formula and verify again.

l1546401.req:APP-FF-33980: Internal error.

l1546401.req:A compilation error has been detected while attempting to generate package FFP5018\_01041993

grep -i 'fail' \*.\*

In Dev there were failures like this which are all old fast formula errors and can be ignored…

l1546384.req:APP-FF-34004: Oracle Payroll:UOE\_OSP\_2:1996/01/01 FAILED

l1546385.req:APP-FF-34004: Oracle Payroll:UOE\_ABSENCE\_DETECT:1996/01/01 FAILED

l1546386.req:APP-FF-34004: Oracle Payroll:FIXED 3 AMOUNT:1993/04/01 FAILED

l1546389.req:APP-FF-34004: Oracle Payroll:FIXED 5 AMOUNT:1993/04/01 FAILED

l1546389.req:APP-FF-34004: Oracle Payroll:UOE\_EPA:2015/04/01 FAILED

l1546390.req:APP-FF-34004: Oracle Payroll:EUOVERTIME:1995/08/31 FAILED

l1546390.req:APP-FF-34004: Oracle Payroll:EUOVERTIME:1997/06/01 FAILED

l1546390.req:APP-FF-34004: Oracle Payroll:EUOVERTIME:1997/07/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:FIXED 4 AMOUNT:1993/04/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1993/04/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1994/04/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1995/04/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1995/04/06 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1995/04/07 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1995/07/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1996/04/06 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1996/11/01 FAILED

l1546391.req:APP-FF-34004: Oracle Payroll:SUPERANNUATION CALC:1997/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:1951/01/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:1998/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:1998/08/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:1999/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2000/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2001/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2002/03/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2002/04/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2003/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2004/04/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2005/04/01 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2006/04/06 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2006/04/07 FAILED

l1546397.req:APP-FF-34004: Oracle Payroll:UOE\_SUPERANNUATION\_EE:2006/08/01 FAILED

l1546399.req:APP-FF-34004: Oracle Payroll:FIXED 2 AMOUNT:1993/04/01 FAILED

l1546400.req:APP-FF-34004: Oracle Payroll:UOE\_ADVANCE:1951/01/01 FAILED

l1546401.req:APP-FF-34004: Oracle Payroll:FIXED 1 AMOUNT:1993/04/01 FAILED

tail -100 \*preenv.lst 30 (26 in AT)

tail -100 \*postenv.lst 26 (26 in AT)

**THERE WERE NO ERROR OR FAILURES**

We are now finished looking at the logs so to tidy up, create a directory in your log directory with the same name as the patch:

**Oraappdevat-apphr >** mkdir 20591016

**Oraappdevat-apphr >** mv \*.\* 20591016

* Now patch the other server

## Running HRGLOBAL

This patch requires that the **HRGLOBAL** driver is run.

Before we do this we must first run **DataInstall**. To do this, return to the main server window (top) and type:

java oracle.apps.per.DataInstall apps <pwd> thin oradevkb.is.ed.ac.uk:1796:HRDEV

where <pwd> is the APPS password. You’ll see the following:

DataInstall for hrglobal

+-------------------------------------------------+

| DataInstall Main Menu |

+-------------------------------------------------+

1. Select legislative data to install/upgrade

2. Select college data to install/upgrade

3. Select JIT or OTL to install/upgrade

4. Exit to confirmation menu

Enter your choice :1

Choose Option 1 -- **Select legislative data to install/upgrade**

# Localisation Product(s) Leg. Data? Action

-- ------------------- ------------------------ ---------- -------------

1 Global Human Resources Installed

 2 Australia Human Resources

 3 Australia Payroll

 4 Belgium Human Resources

 5 Canada Human Resources

 6 Canada Payroll

 7 China Human Resources

 8 China Payroll

 9 Denmark Human Resources

10 Denmark Payroll

11 Finland Human Resources

12 Finland Payroll

13 France Human Resources

14 Germany Human Resources

15 Hong Kong Human Resources

16 Hong Kong Payroll

17 Hungary Human Resources

18 India Human Resources

19 India Payroll

20 Ireland Human Resources

21 Ireland Payroll

22 Italy Human Resources

23 Japan Human Resources

24 Japan Payroll

25 Korea, Republic of Human Resources

26 Korea, Republic of Payroll

27 Kuwait Human Resources

28 Kuwait Payroll

29 Mexico Human Resources

30 Mexico Payroll

31 Netherlands Human Resources

32 Netherlands Payroll

33 New Zealand Human Resources

34 New Zealand Payroll

35 Norway Human Resources

36 Norway Payroll

37 Poland Human Resources

38 Russian Federation Human Resources

39 Saudi Arabia Human Resources

40 Saudi Arabia Payroll

41 Singapore Human Resources

42 Singapore Payroll

43 South Africa Human Resources

44 South Africa Payroll

45 Spain Human Resources

46 Sweden Human Resources

47 Sweden Payroll

48 United Arab Emirates Human Resources

49 United Arab Emirates Payroll

50 United Kingdom Public Sector Payroll Installed

51 United Kingdom Human Resources Installed

52 United Kingdom Payroll Installed

53 United States Human Resources

54 United States Payroll

 <Product #><Action> - Change Action

 where <Action> is [I : Install, C : Clear]

 [Return] - To return to main menu.

Enter your choice (for example 2I) :1I

You wish to apply 1 (Global) 50, 51 and 52. Type the number followed by “II” e.g. 1I then press ENTER. Repeat with:

52I <ENTER>

53I <ENTER>

54I <ENTER>

Now just hit ENTER again to return to the Main Menu:

+-------------------------------------------------+

| DataInstall Main Menu |

+-------------------------------------------------+

1. Select legislative data to install/upgrade

2. Select college data to install/upgrade

3. Select JIT or OTL to install/upgrade

4. Exit to confirmation menu

Enter your choice : 4

Type your choice – 4 Exit to confirmation menu

 DataInstall - Actions confirmation

Do you really wish to exit and save your changes?

 [Y] - Yes, save then exit

 [N] - No, don't save but exit

 [Return] - To return to the DataInstall Main Menu

Enter your choice (for example Y) :Y

You will see the following:

 DataInstall - Actions summary

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The following actions will be performed:

Localisation Product(s) Leg. Data? Action

-------------------- ------------------------ ---------- -------------

Global Human Resources Installed Install

United Kingdom Public Sector Payroll Installed Install

United Kingdom Human Resources Installed Install

United Kingdom Payroll Installed Install

Localisation College Data? Action

-------------- ------------- -------------

United Kingdom

United States

Option Data? Action

------------------------------ ------------- -------------

JIT/Geocode

Oracle Time and Labor (OTL)

Now you are ready to run HRGLOBAL itself. Change directory in the main server window:

**oraappdevkb-apphr >** cd $PER\_TOP/patch/115/driver

**oraappdevkb-apphr >** pwd

/u01/software/apphr/apps/apps\_st/appl/per/12.0.0/patch/115/driver

Now run the adpatch utility again, making sure you are in the correct directory where the HRGLOBAL driver is located :

/u01/software/apphr/apps/apps\_st/appl/per/12.0.0/patch/115/driver

**oraappdevkb-apphr >** adpatch

Your default directory is '/u01/software/apphr/apps/apps\_st/appl'.

Is this the correct APPL\_TOP [Yes] ?

AutoPatch records your AutoPatch session in a text file

you specify. Enter your AutoPatch log file name or press [Return]

to accept the default file name shown in brackets.

Filename [adpatch.log] : **hrglobal\_09-03-15.log**

You can be notified by email if a failure occurs.

Do you wish to activate this feature [No] ?

Please enter the batchsize [1000] :

You are about to apply a patch to the installation of Oracle Applications

in your ORACLE database 'HRDEV'

using ORACLE executables in '/u01/software/apphr/apps/tech\_st/10.1.2'.

Is this the correct database [Yes] ?

AutoPatch needs the password for your 'SYSTEM' ORACLE schema

in order to determine your installation configuration.

Enter the password for your 'SYSTEM' ORACLE schema:

The ORACLE username specified below for Application Object Library

uniquely identifies your existing product group: APPLSYS

Enter the ORACLE password of Application Object Library [APPS] :

Enter the directory where your Oracle Applications patch has been unloaded

The default directory is [/u01/software/apphr/apps/apps\_st/appl/per/12.0.0/patch/115/driver] :

Please enter the name of your AutoPatch driver file : **hrglobal.drv**

This Patch seems to have been applied already.

Would you like to continue anyway [N] ? **Y**

Enter the number of parallel workers [128] : **64**

This can take a long time, so don’t be surprised to see many scrolling lines like:

 15300 PL/SQL objects processed.

 15400 PL/SQL objects processed.

 15500 PL/SQL objects processed.

 15600 PL/SQL objects processed.

 15700 PL/SQL objects processed.

 15800 PL/SQL objects processed.

 15900 PL/SQL objects processed.

 16000 PL/SQL objects processed.

 16100 PL/SQL objects processed.

 16200 PL/SQL objects processed.

 16300 PL/SQL objects processed.

 16400 PL/SQL objects processed.

## Run adadmin to compile Schema

Run the adadmin utility:

Answers to questions as per the start of this document.

 AD Administration Main Menu

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 1. Generate Applications Files menu

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 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] : 3

Compile/Reload Applications Database Entities

 ---------------------------------------------------

 1. Compile APPS schema

 2. Compile menu information

 3. Compile flexfields

 4. Reload JAR files to database

 5. Return to Main Menu

Enter your choice [5] : 1

Enter the number of workers [128] : **64**

Rights processing in incremental mode [No] ?

All workers have quit.

Dropping FND\_INSTALL\_PROCESSES table...

FND\_INSTALL\_PROCESSES table dropped.

Dropping AD\_DEFERRED\_JOBS table...

AD\_DEFERRED\_JOBS table dropped.

sqlplus -s APPS/\*\*\*\*\* @/u01/software/apphr/apps/apps\_st/appl/ad/12.0.0/sql/adutlrcmp.sql APPLSYS \*\*\*\*\* APPS \*\*\*\*\* \*\*\*\*\* 64 0 NONE FALSE

sqlplus -s APPS/\*\*\*\*\* @/u01/software/apphr/apps/apps\_st/appl/ad/12.0.0/admin/sql/adinvrst.pls \*\*\*\*\*

Review the messages above, then press [Return] to continue.

### Run adadmin to reload JAR files

Press **5** to return to the main adadmin menu.

Select option **3 Compile/Reload Applications Database Entities menu**:

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

 2. Maintain Applications Files menu

 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] : 3

Then in the new menu please select option **4 Reload JAR files to database**

 Compile/Reload Applications Database Entities

 ---------------------------------------------------

 1. Compile APPS schema

 2. Compile menu information

 3. Compile flexfields

 4. Reload JAR files to database

 5. Return to Main Menu

Enter your choice [5] : 4

Enter the number of workers [128] : 64

Review the messages above, then press [Return] to continue

## Now regenerate messages

Press **5** to return to the main adadmin menu.

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

 2. Maintain Applications Files menu

 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] :1

 Generate Applications Files

 ----------------------------------------

 1. Generate message files

 2. Generate form files

 3. Generate report files

 4. Generate product JAR files

 5. Return to Main Menu

Enter your choice [5] :1

Enter the number of workers [128] : 64

Answer all the remaining questions as default by just pressing ENTER …

Run ADADMIN to Exit Maintenance Mode

Once you have applied the patch on both servers, press 5 again to return to the main menu then choose option **5 -- Change Maintenance Mode**

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

 2. Maintain Applications Files menu

 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] : 5

Then choose option **2 Disable Maintenance Mode**

Maintenance Mode is currently: [Enabled].

Maintenance mode should normally be enabled when patching

Oracle Applications and disabled when users are logged on

to the system. See the Oracle Applications Maintenance

Utilities manual for more information about maintenance mode.

Please select an option:

 1. Enable Maintenance Mode

 2. Disable Maintenance Mode

 3. Return to Main Menu

Enter your choice [3] : 2

**Press 3 to return to main menu**

Please select an option:

 1. Enable Maintenance Mode

 2. Disable Maintenance Mode

 3. Return to Main Menu

Enter your choice [3] : 3

Finally, choose option 6 – Exit AD Administration:

 AD Administration Main Menu

 --------------------------------------------------

 1. Generate Applications Files menu

 2. Maintain Applications Files menu

 3. Compile/Reload Applications Database Entities menu

 4. Maintain Applications Database Entities menu

 5. Change Maintenance Mode

 6. Exit AD Administration

Enter your choice [6] : 6

You will return to the command prompt.

## Restart the Application Tier

**oraappdevkb-apphr >** hrenv

**oraappdevkb-apphr >** cd $ADMIN\_SCRIPTS\_HOME

**Oraappdevat-apphr >** ./adstrtal.sh apps/<apps password>

Check that the application has started:

**oraappdevkb-apphr >** tail -30 /u01/software/apphr/inst/apps/HRDEV\_oraappdevkb/logs/appl/admin/log/adstrtal.log

oraappdevkb-apphr > tail -30 /u01/software/apphr/inst/apps/HRDEV\_oraappdevkb/logs/appl/admin/log/adstrtal.log

[Service Control Execution Report]

The report format is:

 <Service Group> <Service> <Script> <Status>

 Root Service Enabled

 Root Service Oracle Process Manager for HRDEV\_oraappdevkb adopmnctl.sh Started

 Web Entry Point Services Enabled

 Web Entry Point Services Oracle HTTP Server HRDEV\_oraappdevkb adapcctl.sh Started

 Web Entry Point Services OracleTNSListenerAPPS\_HRDEV\_oraappdevkb adalnctl.sh Started

 Web Application Services Enabled

 Web Application Services OACORE OC4J Instance HRDEV\_oraappdevkb adoacorectl.sh Started

 Web Application Services FORMS OC4J Instance HRDEV\_oraappdevkb adformsctl.sh Started

 Web Application Services OAFM OC4J Instance HRDEV\_oraappdevkb adoafmctl.sh Started

 Batch Processing Services Enabled

 Batch Processing Services OracleConcMgrHRDEV\_oraappdevkb adcmctl.sh Started

 Batch Processing Services Oracle Fulfillment Server HRDEV\_oraappdevkb jtffmctl.sh Started

 Other Services Enabled

ServiceControl is exiting with status 0

 02/20/15-14:26:43 :: You are running adstrtal.sh version 120.15.12010000.3

**NOTE:** If running the adstrtal.sh script does NOT restart everything, simply run it again and check …

**oraappdevkb-apphr >** tail -30 /u01/software/apphr/inst/apps/HRDEV\_oraappdevkb/logs/appl/admin/log/adstrtal.log

If this *still* does not restore all process, simply re-run the STOP script:

**oraappdevkb-apphr >** hrenv

**oraappdevkb-apphr >** cd $ADMIN\_SCRIPTS\_HOME

**oraappdevkb-apphr >** ./adstpall.sh apps/<apps password>

Then run adstrtal.sh again. This always will restore the Application Tier. If it still does not restart the Application Tier, the issue is serious and a support call (SR) should be raised with Oracle.

## TESTING and POST-STEPS after starting application

Connect to the HRDEV/TEST/LIVE database in SQL Developer using the APPS user and run the script located in SVN here …

<https://svn.ecdf.ed.ac.uk/repo/is/apps/software/HR/uoe_sql_scripts/update_pay_element_types.sql>

Copy the pensions form – if required.

Check if the date last updated of the PERWSSPP.fmx file is 15/01/2015

DEV:

cd /u01/software/apphr/apps/apps\_st/appl/per/12.0.0/forms/US/

TEST:

cd /u03/software/apphr/apps/apps\_st/appl/per/12.0.0/forms/US/

LIVE:

cd /u03/software/apphr/apps/apps\_st/appl/per/12.0.0/forms/US/

ls -ail PERWSSPP.fmx

You should see something similar to

 4231357 -rw-r--r-- 1 apphr apphr 696544 Jan 12 20:08 PERWSSPP.fmx

If the date doesn’t match copy the file from K:\ISAPPS\dsg\Projects\PPP003\Grade Step Customisations

And make sure file has the correct file permissions i.e.

chmod 740 /u01/software/apphr/apps/apps\_st/appl/per/12.0.0/forms/US/PERWSSPP.fmx

Now, check we can log-in to the HR Application. In your browser, start Oracle applications:

<https://www-dev.epeople-fin.humanresources.ed.ac.uk/OA_HTML/AppsLogin>

or for TEST:

https://www-test.epeople-fin.humanresources.ed.ac.uk/OA\_HTML/AppsLogin

**Finally**, Check that the configuration manager is running correctly.

On Dev there should be 3 managers and on Test and Live there should be 7.

**oraappdevkb-apphr >** ps -ef |grep -i FND

 apphr 28765 832 0 14:27:16 ? 0:00 FNDSM

 apphr 28815 28765 0 14:27:22 ? 0:00 FNDLIBR FND Concurrent\_Processor MANAGE OLOGIN="APPS/ZG236E95B593477C7B985871C8

 apphr 29692 13701 0 14:38:43 pts/10 0:00 grep -i FND

 apphr 28813 28765 0 14:27:21 ? 0:00 FNDLIBR FND Concurrent\_Processor MANAGE OLOGIN="APPS/ZG4943732BBE78B2CB798045B9

 apphr 28814 28765 0 14:27:22 ? 0:00 FNDLIBR FND Concurrent\_Processor MANAGE OLOGIN="APPS/ZG8E0B41F3F6C20548168B4D76

 apphr 28811 28765 0 14:27:20 ? 0:00 FNDSCH APPS/ZG677ACA9D27DA17EF200D8C8F0F2A92F0DCB645A3D107F8EC67E1249D44A28469D

 apphr 28706 28648 0 14:26:43 pts/10 0:01 FNDLIBR FND CPMGR FNDCPMBR sysmgr="" sleep=30 pmon=4 quesiz=1 diag=N logfile=/u

 apphr 28812 28765 0 14:27:21 ? 0:00 FNDCRM APPS/ZGE83BB653A120CC81C118445195CB3656C8FF607D0A7D776742686DAD173697396

If these are not running then run the following …

cd $ADMIN\_SCRIPTS\_HOME

./adcmctl.sh start apps/<pwd>

Now test again to check the managers are working.

**END**