

## How to Synchronize the AD tables FND\_NODES, ADOP\_VALID\_NODES, and FND\_OAM\_CONTEXT\_FILES in 12.2 when adop fails. (Doc ID 2064223.1)

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### In this Document

[Symptoms](#)[Cause](#)[Solution](#)

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### APPLIES TO:

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Oracle Applications DBA - Version 12.2 to 12.2.8 [Release 12.2Cloud to 12.2]

Oracle Concurrent Processing - Version 12.2.6 to 12.2.8 [Release 12.2]

Information in this document applies to any platform.

### SYMPTOMS

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#### CASE 1:

adop phase=prepare

\*\*\*\*\*FATAL ERROR\*\*\*\*\*

PROGRAM : (/appl/ad/12.0.0/bin/adzdoptl.pl)

TIME : Fri Oct 2 22:06:45 2015

FUNCTION: ADOP::GlobalVars::\_GetMandatoryArgs [ Level 1 ]

ERRORMSG: adop is not able to detect any valid application tier nodes in ADOP\_VALID\_NODES table.

Ensure autoconfig is run on all nodes.

[STATEMENT] Please run adopscanlog utility, using the command

"adopscanlog -latest=yes"

to get the list of the log files along with snippet of the error message corresponding to each log file.

adop exiting with status = 255 (Fail)

#### CASE 2:

adop phase=apply / actualize\_all

[APPLY PHASE]

\*\*\*\*\*FATAL ERROR\*\*\*\*\*

AutoConfig could not successfully execute the following scripts:

Directory: <EBS\_BASE>/fs#/FMW\_Home/webtier/perl/bin/perl -I <EBS\_BASE>/fs#/FMW\_Home/webtier/perl/lib/5.10.0 -I

```
<EBS_BASE>/fs#/FMW_Home/webtier/perl/lib/site_perl/5.10.0 -I <EBS_BASE>/fs#/EBSapps/appl/au/12.0.0/perl -I
<EBS_BASE>/fs#/FMW_Home/webtier/ohs/mod_perl/lib/site_perl/5.10.0/x86_64-linux-thread-multi
/<EBS_BASE>/fs#/inst/apps/<SID_hostname>/admin/install
```

txkGenADOPWrapper.pl INSTE8\_APPLY 1

```
SQL> SQL> Connected.
SQL> SELECT ad_zd_adop.get_node_type('<hostname>') FROM DUAL
*
ERROR at line 1:
ORA-01422: exact fetch returns more than requested number of rows
ORA-06512: at "APPS.AD_ZD_ADOP", line 3049
```

## CAUSE

CASE 1: adop phase=prepare

In this case, The fnd\_nodes table has NULL for domain entry of this valid server.

Example Data Supporting the Conclusion

[table.applsyst.fnd\_nodes]

NODE VIRTUAL_IP	PLAT	D C A F W S	NODE_NAME	SERVER_ADDRESS	DOMAIN	WEBHOST
12,121 NULL	226	N Y Y Y Y Y	NEW122APP1	###.###.###.103	NULL	new122app1.<host.domain>

CASE 2: adop phase=apply / actualize\_all

[table.applsyst.fnd\_oam\_context\_files]

NAME	S_CONTEXTFILE	S_CONTEXTTYPE	S_CONTEXTNAME	Version	Number	SERIAL	APPL_TOP_NAME	HOST
SHARED_FILE_SYSTEM	EDITION							

```
<SID_hostname> ./<SID_hostname>.xml APPL_TOP Context <SID_hostname> 120.401.12020000.85 6999 AT_<hostname>
<hostname> false run
<SID_hostname> ./<SID_hostname>.xml APPL_TOP Context <SID_hostname> 120.401.12020000.85 6999 AT_<hostname>
<hostname> false run
<SID_hostname> ./<SID_hostname>.xml APPL_TOP Context <SID_hostname> 120.401.12020000.85 7001 AT_<hostname>
<hostname> false patch
<SID_hostname> ./<SID_hostname>.xml Database Context <SID_hostname> 120.52.12020000.11 0 NULL <hostname>
NULL database
```

## SOLUTION

Test the following steps in a cloned instance first, and then migrate accordingly once the desired result is confirmed:

NOTE: 1. Due to the method required for "cleaning out" / "re-synchronizing" the following tables, it is **EXPECTED / REQUIRED** that the Applications have been shutdown.

The only thing running should be the Database Tier.

**2. A full backup should be taken before any testing begins.**

1. Backup the `fnf_oam_context_files`, `fnf_nodes`, and `adop_valid_nodes` tables, and if on AD/TXK 8 or higher; `ad_nodes_config_status` in the EBS env nodes:

```
Linux#> sqlplus applsyst/<pwd>

SQLPlus#> create table fnf_oam_context_files_bkp as select * from
fnf_oam_context_files;

SQLPlus#> create table fnf_nodes_bk as select * from fnf_nodes;

SQLPlus#> create table adop_valid_nodes_bk as select * from adop_valid_nodes;

If on AD/TXK 8 or higher:

SQLPlus#> create table ad_nodes_config_status_bk as select * from
ad_nodes_config_status;
```

2. Truncate the following tables (Continue from step 1):

```
SQLPlus#> truncate table fnf_oam_context_files;

SQLPlus#> truncate table fnf_nodes;

SQLPlus#> truncate table adop_valid_nodes;

If on AD/TXK 8 or higher:

SQLPlus#> truncate table ad_nodes_config_status;
```

3. Run AutoConfig on the DB tier:

```
Source the <RDBMS_ORACLE_HOME> home.

Linux#> cd <RDBMS_ORACLE_HOME>/appsutil/scripts/<SID>_<HOSTNAME>/

Linux#> ./adautocfg.sh
```

... Confirm Autoconfig completes successfully.

... If RAC, Repeat step 3 on all RAC nodes.

4. Run Autoconfig on the run file system.

```
Linux#> source <EBS_BASE>/EBSapps.env run
Linux#> cd $ADMIN_SCRIPTS_HOME
Linux#> ./adautocfg.sh
```

... Confirm Autoconfig completes successfully.

... If more than one EBS node, repeat step 4 on all EBS nodes.

## 5. Run Autoconfig on the patch file system

**Before** running Autoconfig on the patch file system the ebs\_login trigger **MUST** be disabled  
**... After** the successful completion of Autoconfig the ebs\_login trigger **MUST** be re-enabled.

### a. Disable the ebs\_login trigger using the following SQL.

```
Linux#> sqlplus system/<pwd>
SQLPlus#> alter trigger ebs_logon disable;
```

### b. At this time Run autoconfig with the patch env sourced .

```
Linux#> source <EBS_BASE>/EBSapps.env patch
Linux#> cd $ADMIN_SCRIPTS_HOME
Linux#> ./adautocfg.sh
```

... Confirm Autoconfig completes successfully

... If more than one EBS node, repeat step 5.b on all EBS nodes.

### c. Enable the ebs\_login trigger using the following SQL.

```
Linux#> sqlplus system/<pwd>
SQLPlus#> alter trigger ebs_logon enable;
```

6. After Autoconfig has been run successfully on all nodes, run the following two (2) queries in order to verify the tables have been correctly populated:

```
SQL> set pagesize 5
SQL> set linesize 132
SQL> col node_name format a15
SQL> col server_id format a8
```

```
col server_address format a15
col platform_code format a4
col webhost format a12
col domain format a20
col virtual_ip format a12

select node_id, platform_code, support_db D, support_cp C, support_admin A,
support_forms F, support_web W, node_name, server_id,
       server_address, domain, webhost, virtual_ip, status
from fnd_nodes order by node_id;
```

```
SQL> set pagesize 5
      set linesize 132
      col NAME format A20
      col VERSION format A12
      col PATH format A110
      col STATUS format A10

      select NAME,VERSION,PATH, STATUS from FND_OAM_CONTEXT_FILES;
```

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