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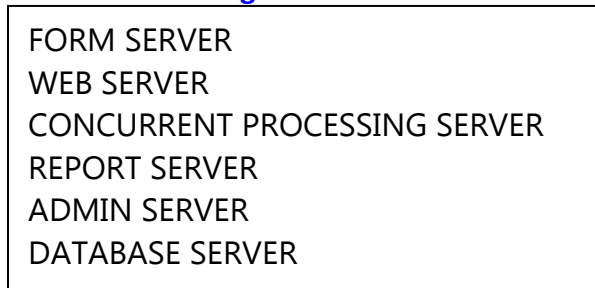


How to find out if Server is Single Node or Multi Node

Oracle applications can be implemented on single node or multi node.

- In single node-Database, CM, Reports, Forms, Apache are all on one single server only.

Single Node

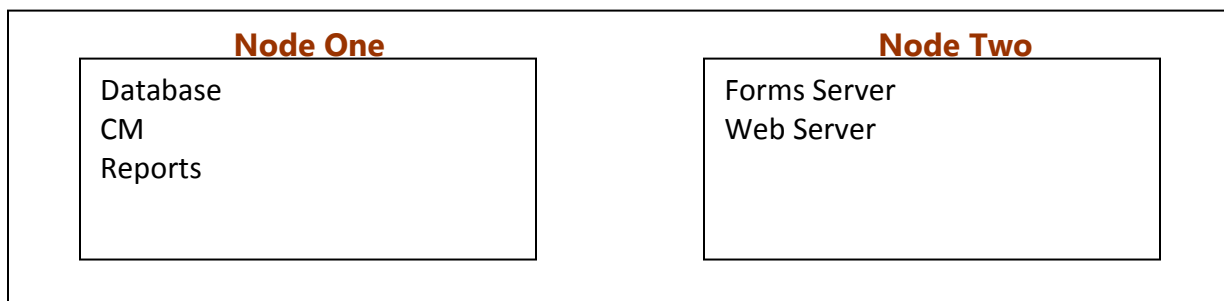


- In multi-node we can have these components on different servers.
 - A typical Two Nodes server has the following:

First Node-Database,CM,Reports

Second Node-Forms,Web Server(Apache)

Two Node



- A typical three-node server has the following-:

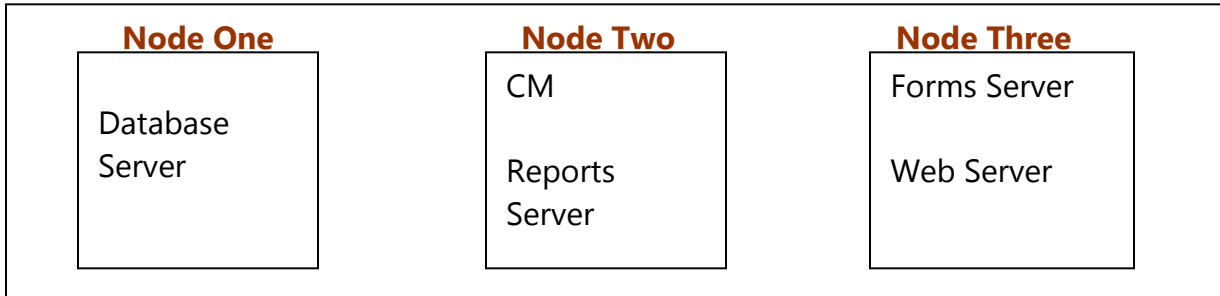
First Node-Database Server

Second Node-CM,Reports Server

Third Node-Forms,Web(Apache) Server

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Three Node



- **Solution:**

Here's the solution to find out if the server is single node or multi node. We can use any one of the below three.

- 1) select * from fnd_nodes (It also contain column like "support_forms", "support_web", "support_web", "support_db", "support_admin" which identifies which tier it supports)
- 2) Oracle applications manager (OAM)
- 3) Context file (Has variables s_isDB, s_isAdmin, s_isWeb, s_isForms, s_isConc which identifies which tier it supports)

🌀 How to change all Applications user passwords

In Oracle Applications, there are times when we want to force all the application users to change their passwords.

In Oracle Apps 11i, we have a concurrent request under System Administrator Responsibility.

*CP SQL*Plus Expire FND_USER Passwords*

This concurrent request basically sets the fnd_user.password_date to null for all apps users. The users are thus prompted to change their passwords on next login.

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🌀 How to change hostname in application tier in Oracle Apps

If we need to change the hostname/domain name on Application Tier in Oracle Apps, then we have to follow the below steps.

Step 1. Deregister the current Applications server

Run the below command as applmgr on APPS Tier
`perl $AD_TOP/bin/adgentns.pl appspass=APPSPwd \contextfile=$CONTEXT –removeserver`

Step 2. Update the AutoConfig Context file.

Create a new context file using the following
`perl $AD_TOP/bin/adclonctx.pl contextfile=$CONTEXT_FILE`
It will prompt for various information, we need to supply the correct value.

Step 3. Shutdown the Applications Tier Services

Run the below command as Apps User(applmgr)
`# cd $COMMON_TOP/admin/scripts/context_name`
`# ./adstpall.sh apps/appspassword`

Step 4. Change the machine hostname

We need to change the machine name in the following files:

`/etc/hosts`
`/etc/nodename`
`/etc/hostname.nxge`

Step 5. Update the Net Services.

The Net Services Topology Model is automatically updated by running AutoConfig.

`./adconfig.sh contextfile=$full path to new Context file appspass=appspasswd`

Step 6. Start the Applications Tier Services

Run the below command as applmgr
`# cd $COMMON_TOP/admin/scripts/context_name`
`# ./adstpall.sh apps/appspassword`

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🌟 **How to change hostname on database tier in Oracle Apps**

Sometimes we need to change the hostname/domain name/port on database tier. We need to follow the below steps.

Step 1. Deregister the Database server

Run the below command as “oracle” on DB Tier
perl /appsutil/bin/adagentns.pl appspass=APPSpwd \contextfile=\$CONTEXT –removeserver
It will prompt for various information, we need to supply the correct value.

Step 2. Update the AutoConfig Context files

We will create a new context file using the following syntax:
cd \$ORACLE_HOME/appsutil/bin
perl adclonctx.pl contextfile=\$CONTEXT_FILE
It will prompt for various information, we need to supply the correct value.

Step 3. Shutdown the Applications Tier Services

Run the below command as Apps User(applmgr) on APPS Tier.
cd \$COMMON_TOP/admin/scripts/context_name
./adstpall.sh apps/appspassword

Step 4. Update the Net Services Topology Model

The Net Services Topology Model is automatically updated by running AutoConfig.

Run AutoConfig on the Database Tier.

```
./adconfig.sh contextfile=$ORACLE_HOME/appsutil/SID_new_hostname>.xml
```

Run AutoConfig on the Applications Tier(s)

```
./adautocfg.sh appspass=appspasswd
```

Step 5. Shutdown the Database Listener

Step 6. Shutdown the Database

Step 7. Change the machine hostname

edit the /etc/hosts file to update the new hostname/domain name.
192.168.214.132 erp.com erp

Step 8. Start the Database

Step 9. Start the DB TNS Listener

Step 10. Start the Applications Tier Services