Considerations in Upgrading from HACMP1.1 to HACMP1.2

Special Notices

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Note: The information in this document has **not** been verified for AIX 4.1.

Procedure

This document contains a general outline of the procedures for upgrading from HACMP1.1 to HACMP1.2. Since every installation is different and unique, this should be viewed as a GENERAL outline. Local considerations must always be accounted for in any software upgrade but are especially important in an HACMP/6000 cluster.

The following outline applies to HACMP1.1 installations that are BOTH applied and committed.

1. Backing Up the Current Environment:

   On both nodes, be sure to back up the current cluster environment. To back up a node's ODM environment variables to a file, run

   ```
   /usr/sbin/cluster/clgetenv > /tmp/clvars
   ```

   This file can be used for reference, after HACMP1.2 is installed and you are reconfiguring the node environment.

   Copy /usr/sbin/cluster/cluster.cf to /tmp/cluster.cf for quick restoration after lpp.cleanup. Then archive /usr/sbin/cluster to either tape or disk, to keep a ready copy of locally configured scripts and files.

2. Cleaning up HACMP1.1:

   IMPORTANT: User-created customized scripts that reside in /usr/sbin/cluster or its subdirectories are removed by /usr/lpp/cluster/lpp.cleanup. Be sure that any local additions/modifications in

this directory or its dependent directories have been archived before running the cleanup.

Run /usr/lpp/cluster/lpp.cleanup to remove the HACMP1.1 binaries, ODM variables, and HACMP1.1 system modifications. (Note: This script removes the /usr/lpp/cluster directory. Run it with your current working directory set to "/" or "/usr".)

Do this on both nodes. The cleanup leaves ONLY the following files in /usr/sbin/cluster:

```
clinfo.rc               cluster.cf
netchng.rc              node.servers
node.vars               topchng.rc
```

3. Installing HACMP1.2:

   The HACMP1.2 installation saves the files above to filename.OLD and replaces them with new stub files from the distribution.

   clinfo.rc is moved to clinfo.rc.OLD
   cluster.cf is moved to cluster.cf.OLD
   netchng.rc is moved to netchng.rc.OLD
   node.servers is moved to node.servers.OLD
   node.vars is moved to node.vars.OLD
   topchng.rc is moved to topchng.rc.OLD

4. Reconfiguring the Node Environment:

   Copy /tmp/cluster.cf to /usr/sbin/cluster/cluster.cf, and run:

```
smit hacmp==>configure node environemt
          ==>add node enviroment
```

   Choose the appropriate node environment. This copies the new 1.2 scripts down from /usr/sbin/cluster/samples and overwrites the stubs that were placed in /usr/sbin/cluster during the install.

   Configure the cluster ODM environment variables, using /tmp/clvars for reference.

   When this has been done on both nodes, you have a generic HACMP1.2 installation. This is a good time to run some failover tests, to confirm that things are working as expected.

5. Recustomizing your HACMP/6000 Cluster:

   After the cluster has been successfully upgraded to 1.2, you need to re-customize appropriately. All locally created/modified scripts should be copied back into the appropriate place. The following scripts were copied down from /usr/sbin/cluster/samples during the install. They need to be examined and potentially altered to reflect local configurations:

```
clinfo.rc               cluster.cf
netchng.rc              node.servers
node.vars               topchng.rc
```

The pre-1.2 versions have been saved in /usr/sbin/cluster with a .OLD file extension, for reference recustomization.

6. Upgrading an HACMP/6000 Client:

   Upgrading a client is similar to upgrading a cluster node. Archive /usr/sbin/cluster to tape or disk, and then run /usr/lpp/cluster/lpp.cleanup. This leaves ONLY clinfo.rc in the /usr/sbin/cluster directory. Install HACMP1.2, which moves the 1.1 clinfo.rc to clinfo.rc.OLD, and then recustomize, if necessary.

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