C H A P T E R 4

Modify Server Hostnames/FQDN

November 20, 2013

Modify Publisher Server Hostname

⚠ **Caution** Changing the hostname of a publisher node may invalidate the server's software license for virtual servers.

Use the following procedure to change the hostname of publisher servers in a cluster. DNS servers comprise part of the network infrastructure. Cisco Unified Presence servers do not and cannot run DNS services.

Before You Begin

Read the Readiness Checklist, page 1-1.

Procedure

Step 1 Perform the following actions:

a. Change the DNS record of the publisher server to point to the new hostname, for example, `newhost1` (For illustration purposes, `newhost1` is used in the CLI command examples in this procedure.)

b. Ensure that you correctly update both the forward (A) and reverse (PTR) records.

Step 2 Verify that the DNS change propagates to other nodes by running the following CLI command on all the cluster nodes:

utils network host newhost1

where **newhost1** is the new hostname

The output of this command is as follows:

```
admin:utils network host newhost1
Hostname newhost1 resolves to 14.86.13.11
```

Step 3   From Cisco Unified Presence Administration, perform the following tasks on the publisher server:

    a.   Navigate to **System > Cluster Topology**.

    b.   Select the publisher node from the Cluster Topology tree-view.

    c.   In the Node Configuration section, change the hostname of the Cisco Unified Presence server.

    d.   Select **Save**.

Step 4   From Cisco Unified Communications Manager Administration, perform the following tasks:

    a.   Navigate to **System > Application Server**.

    b.   Select **Find** from the Find and List Servers window to display the server.

    c.   Verify that the new hostname is listed among the servers.

    ✎

    Note   Do not proceed if the new hostname is not among the list of servers.

Step 5   Ensure that the hostname change is replicated to all the nodes in the cluster. To do this, enter the following command from the CLI on all nodes in the cluster:

```
run sql select name,nodeid from ProcessNode
```

    ✎

    Note   Do not proceed if the hostname has not been replicated to all nodes in the cluster.

Step 6   Change the hostname of the publisher server on each subscriber server in the cluster by entering the following command in the CLI for each subscriber server:

```
set network cluster publisher hostname <new_hostname>
```

For example:

```
set network cluster publisher hostname newhost1
```

Step 7   On the publisher server, change the hostname of the server as follows:

    a.   Enter the CLI command `set network hostname newhost1`

    where `newhost1` is the new hostname

    b.   Enter **Yes** and press **Enter**. This will automatically restart this server with the new hostname.

    ✎

    Note   Changing the hostname triggers an automatic, self-signed Certificate Regeneration. After the server restarts automatically, secure connections to this server will fail until the CTL client is rerun and the CTL file is updated.

Step 8   After the publisher node has restarted, restart all subscriber nodes with the following CLI command:

```
utils system restart
```

Step 9   After all nodes have restarted successfully, run the following CLI command on the publisher node to reset replication:

```
utils dbreplication reset all
```

    ✎

    Note   This command may take up to 15 minutes to complete.

Step 10 After the `utils dbreplication reset all` command is complete, restart the publisher node with the following CLI command:

`utils system restart`

Step 11 After the publisher node has restarted, restart all the subscriber nodes in the cluster with the following CLI command:

`utils system restart`

Related Topics

- *Serviceability Configuration and Maintenance Guide for Cisco Unified Presence*
- *Cisco Unified Operating System Maintenance Guide for Cisco Unified Presence*
- *Deployment Guide for Cisco Unified Presence*

What To Do Next

Modify Subscriber Server Hostname

Use the following procedure to change the hostname of subscriber servers in a cluster. DNS servers comprise part of the network infrastructure. Cisco Unified Presence servers do not and cannot run DNS services.

Before You Begin

Read the .

Procedure

Step 1 Perform the following actions:

a. Change the DNS record of the subscriber server to point to the new hostname, for example, `newhost1` (For illustration purposes, `newhost1` is used in the CLI command examples in this procedure.)

b. Ensure that you correctly update both the forward (A) and reverse (PTR) records.

Step 2 Verify that the DNS change propagates to other nodes by running the following CLI command on all the cluster nodes:

`utils network host newhost1`

where `newhost1` is the new hostname

The output of this command is as follows:

```
admin:utils network host newhost1
Hostname newhost1 resolves to 14.86.13.11
```

Step 3 From Cisco Unified Presence Administration, perform the following tasks on the publisher server:

a. Navigate to **System > Cluster Topology**.

b. Select the subscriber node from the Cluster Topology tree-view.

     c. In the Node Configuration section, change the hostname of the Cisco Unified Presence server.

     d. Select **Save**.

Step 4   From Cisco Unified Communications Manager Administration, perform the following tasks:

     a. Navigate to **System > Application Server**.

     b. Select **Find** from the Find and List Servers window to display the server.

     c. Verify that the new hostname is listed among the servers.

> ✎
>
> **Note**   Do not proceed if the new hostname is not among the list of servers.

Step 5   Ensure that the hostname change is replicated to all the nodes in the cluster. To do this, enter the following command from the CLI on all nodes in the cluster:

     `run sql select name,nodeid from ProcessNode`

> ✎
>
> **Note**   Do not proceed if the hostname has not been replicated to all nodes in the cluster.

Step 6   On the subscriber server, change the hostname of the server as follows:

     a. Enter the CLI command `set network hostname newhost1`

       where `newhost1` is the new hostname

     b. Enter **Yes** and press **Enter**. This will automatically restart this server with the new hostname.

> ✎
>
> **Note**   Changing the hostname triggers an automatic, self-signed Certificate Regeneration. After the server restarts automatically, secure connections to this server will fail until the CTL client is rerun and the CTL file is updated.

Step 7   Restart the publisher node in the cluster with the following command:

     `utils system restart`

Step 8   Restart all other subscriber nodes in the cluster with the following command:

     `utils system restart`

Step 9   After all nodes have restarted successfully, run the following CLI command on the publisher node to reset replication:

     `utils dbreplication reset all`

> ✎
>
> **Note**   This command may take up to 15 minutes to complete.

Step 10   After the `utils dbreplication reset all` command is complete, restart the publisher node with the following CLI command:

     `utils system restart`

Step 11   After the publisher node has restarted, restart all the subscriber nodes in the cluster with the following CLI command:

     `utils system restart`

Related Topics

- *Serviceability Configuration and Maintenance Guide for Cisco Unified Presence*

- *Cisco Unified Operating System Maintenance Guide for Cisco Unified Presence*

- *Deployment Guide for Cisco Unified Presence*

What To Do Next

Post-Change Task List, page 5-1