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Remotely Upgrading Check Point® Version 4.1 Nodes (CPUtil)

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Overview

To upgrade a remote Check Point Node from version 4.1 via SmartUpdate, the following are required on the Check Point Node:

- VPN-1/FireWall-1 4.1 SP2 (or higher).
- CPUtil.

Configuring CPUtil on a Version 4.1 Check Point Node installs CPRID (Check Point Remote Installation Daemon). A CPRID connection is required for remote product operations between the SmartCenter Server and remote Nodes. Check Point NG Nodes have the SVN Foundation, which includes CPRID.

A separate version of CPUtil is available for each Version 4.1 Service Packs, starting with Version 4.1 SP2.

CPUtil is available for the Nokia, Solaris, Linux and Windows platforms.

For instructions on how to remotely upgrade see http://www.checkpoint.com/techsupport/documentation/releasenotes/upgrade_guide.pdf, or using SmartUpdate, open SmartUpdate and select **Help>Upgrade Guide**.

Installation

This procedure applies to both the remote Nodes and the SmartCenter Server.

On the Remote Nodes—Installing the CPutil package is mandatory.

On the SmartCenter Server— The CPutil package can be installed on VPN-1/FireWall-1 4.1 SP2 or higher, and must be installed before upgrading the SmartCenter Server to NG.

On an NG SmartCenter Server, use the `opsec_putkey` utility. For details, see OPSEC_putkey release notes at <http://www.checkpoint.com/techsupport/downloadsng/utilities.html>.

- 1 Install the CPutil package on every VPN-1/FireWall-1 4.1 SP2 or higher network object which will participate in Remote Installation.
- 2 Reboot the machine.

Note - It is strongly recommended to install the CPutil package on the remote Nodes before installing it on the SmartCenter Server.

Configuration

To implement Remote Installation, the following entities must be configured:

- Publisher - the station from which Check Point products will be remotely installed.
- Subscribers - Remote Nodes on which Check Point products will be remotely installed.

By configuring the Publisher and Subscribers, you establish a permanent communication channel between them. To remotely install any subsequent product package from the Publisher, use SmartUpdate. For instructions, click **Help>Upgrade Guide** in SmartUpdate.

Run the file `cpbconfig.rmt` as follows:

Solaris, Nokia and Linux

- 1 Become superuser.
- 2 Enter the following command line:
`/opt/CPcommon/bin/cpbconfig.rmt`

Windows

- 1 Open the **Start** menu.
- 2 Go to: **Check Point > Utilities > cpbconfig**.

Configuring Subscribers (Remote Nodes)

Configure every network object which will participate in the Remote Installation.

Note - It is strongly recommended to configure Subscribers (remote Nodes) before configuring the Publisher (SmartCenter Server).

1 Run the file `cpbconfig.rmt` on the Check Point Remote Node designated as a Subscriber (see “Configuration”).

The **Configuration** window is displayed, asking you to define the network objects which will participate in the Remote Installation.

2 Enter **1** to configure a Subscriber.

3 Enter the host name (the name returned by the `hostname` command) of the Publisher.

4 Enter the Publisher’s password and confirm it.

If the key exchange with the Publisher was successful, the following confirmation message is displayed: **“Add another (or modify) Publisher <y/n>?”**.

5 Enter **Y** to continue defining Publishers or modify the current Publisher, or **N** to return to the initial window.

6 Enter **Q** to close the **Configuration** window.

Configuring the Publisher (SmartCenter Server)

1 Run the file `cpbconfig.rmt` on the station designated as the Publisher (see “Installation”).

The **Configuration** window is displayed, in which you define the network objects which will participate in the Remote Installation.

2 Enter **2** to configure a Publisher.

3 Enter the host name (the name returned by the `hostname` command) of a Subscriber.

4 Enter the Subscriber’s password and confirm it.

If the key exchange with the host was successful, the following confirmation message is displayed:

“Received new control security key from <host ID>.

Add another (or modify) Subscriber <y/n>?”

5 Enter **Y** to continue defining Subscribers or modify the current Subscriber, or **N** to return to the initial window.

6 Enter **Q** to close the **Configuration** window.