R71.45

Release Notes

15 September 2011
Important Information

Latest Documentation

The latest version of this document is at:
http://supportcontent.checkpoint.com/documentation_download?ID=12271

For additional technical information, visit the Check Point Support Center
(http://supportcenter.checkpoint.com).

Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 September 2011</td>
<td>Added upgrade instructions</td>
</tr>
<tr>
<td>6 September 2011</td>
<td>Initial version</td>
</tr>
</tbody>
</table>

Feedback

Check Point is engaged in a continuous effort to improve its documentation.

Please help us by sending your comments
(mailto:cp_techpub_feedback@checkpoint.com?subject=Feedback on R71.45 Release Notes).
Introduction to R71.45

Thank you for updating to Check Point R71.45. This version contains new features and resolves different issues.

Please read this document carefully before using R71.45 Security Gateway 80 and/or SmartProvisioning.

Important Solutions

For more about R71.45 and to download the software, go to the R71.45 Home Page (http://supportcontent.checkpoint.com/solutions?id=sk63341).

To see known limitations and resolved issues for Security Gateway 80 R71.45, see sk52180 (http://supportcontent.checkpoint.com/solutions?id=sk52180).

To see all other known limitations and resolved issues for R71.45, see sk65275 (http://supportcontent.checkpoint.com/solutions?id=sk65275).

What's New

Security Gateway 80

- CLI support to configure the appliance
- SmartProvisioning support, large scale management of appliances
- USB quick deployment
- LDAP, RADIUS and SecurID authentication for Remote Access users
- VPN link selection, permanent tunnels and tunnel monitoring
- SNMP support (v2/v3)

SmartProvisioning

- Supports Security Gateway 80 appliances
- Filter columns in the Devices and Devices Configuration displays according to the content of that column

Previous Releases Included in R71.45

This release includes all features and fixes that were included in R71.40. For more information, refer to R71.40 Release Notes (http://supportcontent.checkpoint.com/documentation_download?ID=11894).

Supported Security Gateway 80

Security Manager Servers

Security Gateway 80 appliance can be managed by these Security Manager Servers:

- R70.40 and higher
• R71.20 and higher
• R75 and higher

Note - Currently the new Security Gateway 80 R71.45 features that require central management (Large Scale Management and Provisioning) are only supported with Security Management Server version R71.45. These features will also be supported with R75 Security Management Server in the near future.

SmartProvisioning Supported Platforms

Security Management Server or Domain Management Server:
• SecurePlatform
• Red Hat Enterprise Linux 5.0
• Solaris Ultra-SPARC 8, 9, and 10
• Microsoft Windows:
  • Server 2008
  • Server 2003 (SP1-2)
  • 2000 Advanced Server (SP1-4)
  • 2000 Server (SP1-4)

Gateways managed with SmartProvisioning for Provisioning capabilities:
• SecurePlatform NGX R65 HFA 40 or SecurePlatform R70
• Security Gateways in SmartDashboard or SmartLSM Gateways
• Open server or appliance
• IP Appliance Gateway R70.40, Security Gateways in SmartDashboard or SmartLSM Gateways
• UTM-1 Edge - Firmware 7.5 or higher
• Security Gateway 80 - Firmware R71.45 or higher

Gateways managed with SmartProvisioning for LSM capabilities:
SmartProvisioning can manage SmartLSM Security Gateways of platforms supported by version NGX or higher. Solaris SmartLSM platforms are not supported.

SmartProvisioning Console:
• Microsoft Windows:
  • Server 2008
  • Server 2003 (SP 1-2)
  • 2000 Advanced Server (SP 1-4)
  • 2000 Server (SP 1-4)
  • XP Home and Professional (SP 1-3)
  • Vista (SP1)
  • Windows 7
## Supported Upgrade Paths

If you are upgrading from a lower version, make sure you can do the necessary intermediate upgrades.

<table>
<thead>
<tr>
<th>Product</th>
<th>Version</th>
<th>Upgrade Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security Management Server Provider-1</td>
<td>R71.40</td>
<td>Direct - Install the appropriate package on the existing installation.</td>
</tr>
<tr>
<td></td>
<td>R70.40</td>
<td>First upgrade to R71.40, then install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R70.30</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R71</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R71.10</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R71.20</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R71.30</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>R70.20 and lower, down to NGX R65</td>
<td>First upgrade to R71.10, then upgrade to R71.40. Install the appropriate package.</td>
</tr>
<tr>
<td></td>
<td>Lower than NGX R65</td>
<td>First upgrade to NGX R65, then upgrade to R71.10.</td>
</tr>
</tbody>
</table>

**Note** - This release is automatically activated on all Provider-1 Domains.

For more information about advanced upgrade procedures, see the *R71.40 Advanced Upgrade and Migration Guide* (http://supportcontent.checkpoint.com/documentation_download?ID=12194).

For more information about upgrade paths, see the Check Point upgrade map (http://supportcontent.checkpoint.com/documentation_download?ID=11948).
Installing R71.45

Upgrading from R71.40

This section includes the procedures for installing R71.45 on management servers, that already have R71.40 installed.

We recommend that you backup your system before installing this release package. For SecurePlatform, you can use snapshots which are discussed in the Snapshot Image Management section of the R71 SecurePlatform Administration Guide (http://supportcontent.checkpoint.com/documentation_download?ID=10313).

Upgrade Packages

Before upgrading from R71.40, download the upgrade package for your platform from the Check Point Support Center:

- **Important:**
  - Turn off User Account Control (UAC) before you install on Windows 7.
  - Reboot after you install on Windows 7.

<table>
<thead>
<tr>
<th>Platform and Upgrade Package</th>
<th>Upgrade Procedure</th>
</tr>
</thead>
</table>
| SecurePlatform (Open Servers and Appliances) Check_Point_R71.45.linux.tgz | • SecurePlatform Web User Interface  
  • Command Line  
  • SmartUpdate |
| Linux Check_Point_R71.45.linux.tgz | Command Line |
| Windows Check_Point_R71_45.windows.tgz | • Command Line  
  • SmartUpdate |
| Solaris Check_Point_R71.45.solaris2.tgz | Command Line |
| SecurePlatform Embedded (Security Gateway 80) fw1_R71_730159134_45.img | SecurePlatform Embedded Web User Interface |

Upgrading with the SecurePlatform Web User Interface

Install R71.45 on Security Management open servers and appliances using the Web User Interface and Provider-1.

**To install R71.45 using the Web User Interface:**
1. Download the upgrade package for your platform.
2. Connect to the SecurePlatform Web User Interface:
   - Open server: https://<IP>
   - Appliance: https://<IP>:4434
3. Open the Upgrade page:
   - Open server: Device > Upgrade  
   - Appliance: Appliance > Upgrade
4. In the Upgrade Steps pane, browse to the downloaded file.
5. Click the **Upload package** button.
6. In the **Safe Upgrade** step, make sure the **Save a snapshot of the current system** check box is selected.

⚠️ **Important**: Make sure all GUI applications are closed and take a snapshot of the machine before you upgrade.

7. Click **Start Upgrade**.

At the end of the installation, the device automatically reboots.
8. Re-login to the machine.

⚠️ **Important**: After upgrading, move the snapshot file from the Desktop to a pathname without spaces. This must be done before attempting to restore the machine.

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## Upgrading with the Command Line

You can install R71.45 using the CLI on open servers.

💡 **Note:**
- To install on Check Point appliances with SecurePlatform, use the Web User Interface or SmartUpdate.
- You can safely delete the .tgz file after you extract the package (step 6).

### To install R71.45 using the CLI:

1. Log on to the target machine.
2. If you are installing on SecurePlatform:
   a) Run `idle 120` to make sure that the installation is not interrupted by the automatic logon timeout.
   b) Run `expert` to enter expert mode.
3. Verify that the target computer contains sufficient free disk space.
4. Create a temporary directory in the `/var` partition on non-Windows platforms, or in the `c:\` partition on Windows platforms.
5. Copy the upgrade package for your platform to the temporary directory using SFTP, SCP, or another secure utility.
6. Go to the temporary directory and extract the .tgz package.
   - On non-Windows platforms, run: `gtar -zxvf <file name>`
   - On Windows platforms, use an archive utility such as WinZip.
7. Start the installation routine:

⚠️ **Important**: Before installing on Provider-1, run `mdsenv` and then `mdsst`.
If this is not done, the system will experience functionality issues.

We recommend that you backup the system by executing `mds_backup` command before installation.

- On non-Windows platforms, run: `./UnixInstallScript`. You must run this command from the `/var` partition.
- On Windows platforms, run: `Setup.exe`
8. Do the instructions on the screen to install the applicable components. Only those components required for a specific target (management or gateway) are installed automatically.

When the installation finishes, each successfully installed component appears in a list followed by the word 'Succeeded'.
9. When prompted, reboot the computer.
10. Repeat the above steps for all management servers, log servers and gateways as required by your deployment.
11. After you complete the installation on all computers, install the security policy on gateways and servers as appropriate.
Upgrading Security Gateway 80 with the SecurePlatform Embedded Web User Interface

You can install R71.45 on Security Gateway 80 appliances using the SecurePlatform Embedded Web User Interface.

To install R71.45 using the SecurePlatform Embedded Web User Interface:
1. Download the upgrade package for your platform.
2. Connect to the SecurePlatform Embedded Web User Interface at: https://<appliance_ip>:4344
4. Browse to the downloaded image and click Upload.
5. Save a local image with the Image Backup option.
6. Click Next to start the upgrade.
   At the end of the installation, the device automatically reboots.
7. Re-login to the machine.
8. Go to Overview > System Information > Version to verify that you installed the correct build: R71.45 (730159134)

Uninstalling

Notes -
- Uninstallation of IPS pattern granularity is not supported. After uninstall of R71.45, the patterns remain converted to protections.

To uninstall R71.45 in Security Management Server deployments:
1. Disable the IPS Event Analysis and/or SmartWorkflow Software Blades. If you already disabled them before upgrading to R71.45, you do not need to disable the Software Blades. To do this, disable the Software Blades in the Security Management server's object.
2. On each management server and dedicated log server:
   - All non-Windows platforms:
     Run: /opt/CPUninstall/R71.45/UnixUninstallScript
   - Windows platforms:
     (i) Go to: C:\Program files\CheckPoint\CPUninstall\R71.45
     (ii) Run: Uninstall.bat

To uninstall R71.45 in Provider-1 deployments:
1. Disable the R71.45 from each CMA as follows:
   a) Login to the Provider-1 MDG.
   b) In Versions & Blades Updates, right click and select Deactivate.
2. Run this command on each Multi-Domain Server, Domain Log Server and Multi-Domain Log Server: /opt/CPUninstall/R71.45/UnixUninstallScript
3. Activate Software Blades that were active before the upgrade to R71.45.

Note - After uninstalling this release from a SecurePlatform machine, the command line login prompt and the Web interface Welcome screen will still display Check Point SecurePlatform R71.45 as the installed version. This is because packages related to the SecurePlatform operating system are not uninstalled during the uninstallation process. Use the fw ver command to see the current version of your software.