Appendix to R77.20

Release Notes

20 July 2014

Classification: [Restricted]
Important Information

Latest Software
We recommend that you install the most recent software release to stay up-to-date with the latest functional improvements, stability fixes, security enhancements and protection against new and evolving attacks.

Latest Documentation
The latest version of this document is at:
(http://supportcontent.checkpoint.com/documentation_download?ID=31854)
To learn more, visit the Check Point Support Center (http://supportcenter.checkpoint.com).
For more about this release, see the R77.20 home page

Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 July 2014</td>
<td>Updated Important Note! (on page 4)</td>
</tr>
<tr>
<td>03 July 2014</td>
<td>First release of this document</td>
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</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 Appendix to R77.20 Release Notes).
Introduction to this Appendix

This version installs important Check Point product updates on computers with R77.20 Multi-Domain Server, Security Management Server, or Security Gateways.

This document explains R77.20 installation and upgrade for SecurePlatform, IPSO, Linux, and Windows platforms. It is an appendix to the R77.20 Release Notes (http://supportcontent.checkpoint.com/documentation_download?ID=31853).

Before you install or upgrade:
- Review the Known Limitations (http://supportcontent.checkpoint.com/solutions?id=sk101209)
- Read the R77.20 Release Notes (http://supportcontent.checkpoint.com/documentation_download?ID=31853) for important prerequisites and recommendations

Important Note!

Effective 20 July 2014, the SecurePlatform R76 Upgrade Package for Multi-Domain Security Management has been replaced, resolving sk101589 (http://supportcontent.checkpoint.com/solutions?id=sk101589).

For more information, see the R77.20 Home Page (http://supportcontent.checkpoint.com/solutions?id=sk101208).

System Requirements and Installation

This release can be installed or upgraded on platforms that are supported by R77:
- SecurePlatform
- Red Hat Enterprise Linux
- IPSO 6.2 (MR4 or MR4a), Flash-based or Disk-based
- Windows

Required Disk Space

To make space, delete the downloaded TGZ after extracting.

<table>
<thead>
<tr>
<th>IPSO</th>
<th>Current Version / Tool</th>
<th>Server</th>
<th>Gateway</th>
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<tbody>
<tr>
<td></td>
<td>Clean Install</td>
<td>/var – 624 MB</td>
<td>/var – 515 MB</td>
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<tr>
<td></td>
<td></td>
<td>/opt – 1102 MB</td>
<td>/opt – 1101 MB</td>
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<tr>
<td></td>
<td>R77 - CLI</td>
<td>/var – 1524 MB</td>
<td>/var – 1524 MB</td>
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<tr>
<td></td>
<td>R75.40VS - SmartUpdate</td>
<td></td>
<td>/var – 800 MB</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>/opt – 578 MB</td>
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### SecurePlatform

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<th>Gateway</th>
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| Clean Install | / - 254 MB  
/ opt - 2361 MB  
/ var - 1653 MB | / - 281 MB  
/ opt - 1735 MB  
/ var - 1258 MB |
| R77.10 - CLI | / - 0 MB  
/ opt - 1862 MB  
/ var - 3415 MB | / - 0 MB  
/ opt - 1862 MB  
/ var - 3415 MB |
| R77 - CLI | / - 0 MB  
/ opt - 1869 MB  
/ var - 3333 MB | / - 0 MB  
/ opt - 2057 MB  
/ var - 3663 MB |
| R77 - Web Legacy | / - 0 MB  
/ opt - 2057 MB  
/ var - 3355 MB | |
| R76 - Web Legacy | / - 0 MB  
/ opt - 508 MB  
/ var - 6653 MB | / - 0 MB  
/ opt - 463 MB  
/ var - 5989 MB |
| R77 -> R77.10 - SmartUpdate | / - 0 MB  
/ opt - 1834 MB  
/ var - 2494 MB | |
| R76 - In-place Upgrade | / - 0 MB  
/ opt - 546 MB  
/ var - 7470MB | / - 0 MB  
/ opt - 424 MB  
/ var - 6751 MB |

### Linux

<table>
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</thead>
<tbody>
<tr>
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<tr>
<td>R75.40VS - In-place Upgrade</td>
<td>/ - 5269 MB</td>
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</table>

### Windows

<table>
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<th>Current Version / Tool</th>
<th>Server</th>
<th>Gateway</th>
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<tr>
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<td>C:\ - 779 MB</td>
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<tr>
<td>R77.10 - CLI</td>
<td>C:\ - 1911 MB</td>
<td></td>
</tr>
<tr>
<td>R77 - CLI</td>
<td>C:\ - 3295 MB</td>
<td></td>
</tr>
<tr>
<td>R76 - In-place Upgrade</td>
<td>C:\ - 3022 MB</td>
<td>C:\ - 1100 MB</td>
</tr>
</tbody>
</table>

### Installing on SecurePlatform, IPSO, Linux, or Windows

To install R77.20 on SecurePlatform, IPSO Disk-based, Linux, Windows, download the R77.20 package appropriate for your platform from the Check Point Support Center (http://supportcontent.checkpoint.com/solutions?id=sk101208).
Then use the instructions in the *R77 Installation and Upgrade Guide* ([http://supportcontent.checkpoint.com/documentation_download?ID=24831](http://supportcontent.checkpoint.com/documentation_download?ID=24831)).

To install on IPSO Flash-based, see the next sections.

**Cleaning IPSO Flash-Based Gateways**

To install on IPSO, clean the Security Gateway of Check Point installations, TGZ files, and unused IPSO images. You use Network Voyager or the command shell. (Use Voyager to delete unused IPSO images.)

**To delete Check Point packages using Network Voyager:**
1. Click Configuration > System Configuration > Packages > Delete Packages.
2. Select an installation package to delete, and click Apply.
3. Delete TGZ files.
4. Click Apply.

**To delete Check Point packages using command shell:**
1. Run: `newpkg -q`
   - The output is the list of installed packages. Use this output in the next commands.
2. Run: `newpkg -u <package name>`
3. Run: `rm opt/packages/<tgz name>`

**To delete unused IPSO images using Network Voyager:**
1. Click Configuration > System Configuration > Images > Manage Images.
2. Click Delete IPSO Images.
3. Select the IPSO image to delete, and click Apply.

**Installing on Flash-Based IPSO**

After you clean the gateway, you can install R77.20.

**To install on IPSO Flash-based Security Gateway with CLI:**
1. Make sure there is enough free disk space for installation.
2. Download the R77.20 clean install package for IPSO 6.2 Flash-based to `/preserve/opt/packages`.
3. Run: `newpkg`
4. Type the number (1 - 3) for the FTP server or local path where the `tgz` is.
5. Enter the IP address, credentials, and pathnames when prompted.
6. Type `y` to download the `tgz`. The file is downloaded and installation starts.
7. When prompted for installation type, type 1 to select *Install this as a new package*.
   - R77.20 is installed under `/opt`.

**To install on IPSO Flash-based Security Gateway with manual download:**
1. Download the R77.20 clean install package for IPSO 6.2 Flash-based.
2. Install the package:
   - **Network Voyager** - See “Installation on IPSO” in the *R77 Installation and Upgrade Guide*.
   - **Command Line add package** - Copy the file to an ftp server and run:

   ```
   add package media ftp addr <ip_address> user <username> password <password> name Check_Point_R77.20_T122_Install.IPSO6.2_FlashBased.tgz
   ```

**Upgrading**

On SecurePlatform, IPSO Disk-Based, or Windows, you can upgrade to R77.20 from:
- R76
- R77
- R77.10
On Linux, you can upgrade to R77.20 only from R77 or R77.10.

**Important** - Before installing on Multi-Domain Security Management, run `mdsenv` and then `mdsstopp`. If this is not done, the system will experience functionality issues. We recommend that you back up the system before installation: `mds_backup`

**To upgrade from R77:**
1. Log on to the target machine.
   - On SecurePlatform only:
     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.
2. Create a temporary directory
   - In the `/var` partition on non-Windows platforms.
   - In the `c:` partition on Windows platforms.
3. Copy the upgrade package for your platform to the temporary directory using SFTP, SCP, or similar secure utility.
4. 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.
5. Start upgrade:
   - On non-Windows platforms, from the `/var` partition, run: `./UnixInstallScript`
     Note: You must run this command from the `/var` partition.
   - On Windows platforms, run: `Setup.exe`
6. Do the instructions on the screen to install the applicable components.
   Only 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: `Succeeded`.
7. When prompted, reboot.
   Note: In a cluster environment, make sure to upgrade all the cluster members.

### Installing SmartConsole

Install the SmartConsole after the Security Management Server.
- If you installed the Security Management Server with clean install or updated manually, download and install the SmartConsole.
- If you choose to keep the R77 or R77.10 Security Management Server to manage R77.20 Security Gateways, you must NOT install the R77.20 SmartConsole. The SmartConsole and the Security Management Server versions must match.

**To install the SmartConsole:**
1. Download R77.20 SmartConsole for Windows:
   `Check_Point_SmartConsole_and_SmartDomain_Manager_R77.20_T124_Windows.exe`
2. Double-click the file to install the SmartConsole.

### Uninstalling from SecurePlatform, Linux, Windows, and IPSO

You can uninstall R77.20 if it was an upgrade from R77 or R77.10.

**Note:** On SecurePlatform, the login prompt and the WebUI Welcome screen will still show "Check Point SecurePlatform R77.20".
To uninstall R77.20 from Security Management Server, Domain Log Server, and Security Gateway:

1. If the R77.20 Add-on is installed, uninstall it first:
   - **Non-Windows**: /opt/CPUninstall/R77.20_Add_on/UnixUninstallScript
   - **Windows**: From C:\Program files\CheckPoint\CPUninstall\R77.20_Add_on, run: Uninstall.bat

2. Uninstall R77.20:
   - **Non-Windows**: Run: /opt/CPUninstall/R77.20/UnixUninstallScript
   - **Windows**: From C:\Program files\CheckPoint\CPUninstall\R77.20, run: Uninstall.bat

To uninstall R77.20 in Multi-Domain Security Management environments:

1. If the R77.20 Add-on is installed, deactivate it from each Domain Management Server:
   a) Log in to the SmartDomain Manager.
   b) In Versions & Blades Updates, right click the R77.20 Add-on column and select Deactivate.
   c) Uninstall the R77.20 Add-on now:
      /opt/CPUninstall/R77.20_Add_on/UnixUninstallScript

2. Run this command on each Multi-Domain Server, Domain Log Server and Multi-Domain Log Server:
   /opt/CPUninstall/R77.20/UnixUninstallScript