

Alteon EMS 3.1.1.0

Release Notes

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Release Notes

These release notes provide the latest information regarding your Nortel Networks Alteon Element Management System (Alteon EMS). This supplement modifies information found in the Help system.

Please keep this information with your Alteon product manuals.

NOTE – The ITM customers should not upgrade their Alteon EMS 3.0 to Alteon EMS 3.1.1.0 as there is no added ITM functionality. The ITM customers should upgrade to 3.1.2 when it becomes available.

Installing Alteon EMS

To install Alteon EMS, follow the instructions provided on-screen during the initial setup wizard. The setup should automatically run from the Alteon EMS CD-ROM. If not, run `install.exe` (Windows) or `install.bin` (UNIX).

NOTE – For optimal performance, it is recommended that you uninstall any previous versions of Alteon EMS from your hard drive.

Operation

Hardware Requirements

The following Alteon switch platforms are supported:

- Alteon Application Switch 2000 and 3000 series (Alteon 2208, 2216, 2224, 2424, 2424-SSL, and 3408)
- Alteon 180 series (Alteon 180e, Alteon 184)
- Alteon AD series (Alteon AD3, Alteon AD4)
- Alteon Link Optimizer (ALO) 143 and 150

Switch Software Requirements

Alteon EMS requires the following software:

- ALO OS 1.1.1.0 (or higher) on Alteon Link Optimizer
- Web OS versions: 8.3.22.3 or higher, 9.0.35 or higher, 10.0.25 and higher (on Alteon Web switches)
- Alteon OS 20.0 and higher (on Alteon Application Switch 2000 and 3000 series).

Alteon EMS will warn you if a non-supported software version is running on your switch. If you receive a warning message, try using Alteon EMS1.3 on any Web switch running Web OS 10.0 and lower.

Client System Requirements

- Minimum recommended memory: 128 MB
- Minimum hard drive space:
  - 70MB on Solaris
  - 60MB on Windows
- Recommended screen resolution: 1280 x 1024
- Java Virtual Machine (JVM) 1.4.2 (installed with Alteon EMS)

GUI Installation using InstallAnywhere

InstallAnywhere, a GUI installation tool, is available for the Windows and Solaris (Sparc) platforms. By default, Alteon EMS is installed in the main drive in the applications directory such as `C:\Program Files\AlteonEMS`.

For more information, refer to the document, `InstallDoc.html`.

InstallAnywhere has been verified for the following platforms:

- Solaris (Sparc) 2.7 and 2.8
- Windows 98
- Windows NT4 (service pack 6a recommended)
- Windows 2000 (service pack 4 recommended)
- Windows XP

Accessing the switch via Telnet

To access CLI commands via telnet, follow these instructions.

1. **Telnet to the switch by clicking the telnet icon in the Alteon EMS menu bar.**
2. **In the Telnet window, connect to the switch using the IP address of the switch.**
3. **Enter the switch password.**
4. **After logging on, enter the desired CLI command.**

Limitations

Rules Tabs in Global SLB

Rules tab and Rules Metric tab in Global SLB are not functional in Alteon EMS 3.1. Please use command line interface to configure these options.

The SNMP support for these fields is also not available for this release. Please do not attempt to use the corresponding MIB variables for these options. This functionality will be available in a future maintenance release.

Alteon EMS does not support serial download

Serial download of software image is supported only in the CLI. For more information, see the *Command Reference*.

Alteon EMS does not support some CLI commands

Alteon EMS does not support the following Command Line Interface (CLI) commands or equivalents. However, the commands can be accessed through Telnet. See Accessing the switch via Telnet.

- Alteon 2000 series Web switches

```
/oper/swkey
/oper/rmkey
/oper/ip/bgp/start
/oper/ip/bgp/stop
/cfg/sys/access/tnet
/cfg/sys/access/http
/cfg/sys/access/https
/cfg/sys/snmp
```

- Alteon 180 series Web switches

```
diff
/oper/swkey
/oper/rmkey
/oper/ip/bgp
/cfg/sys/tnport
/cfg/sys/tnet
/cfg/sys/http
/cfg/sys/snmp
```

SONMP Support Changes

If you don't configure SONMP (Nortel's proprietary discovery protocol) then please ignore this note. There was a change made in the SONMP area that makes Alteon EMS 2.3.3.0 incompatible with Alteon OS 21.0.2.0 and earlier. For switches running Alteon OS 21.0.2.0 or earlier, we recommend that you either use Alteon EMS 2.3.2.0, or use the CLI to configure SONMP.

Alteon EMS Install no longer supports Optivity Integration installation

Alteon EMS no longer supports integration with Nortel Networks Optivity products. To obtain a Nortel Optivity integration OIT file, download the proper OIT file for your system and perform a manual installation. For more information about Optivity products and where to download OIT files, contact your Nortel Networks customer service representative.

Alteon EMS does not support health scripts on Alteon 180/AD series Web switches

Displaying or modifying health scripts is not supported on the Alteon 180 and AD series Web Switches. To display, modify or create health scripts on these platforms, use the CLI.

NOTE – Alteon EMS does support health scripts on the Alteon 2000 series application switches.

Telnet Apply required on Alteon 180/AD series Web switches

Implementing `apply` via Telnet is necessary if a configuration fails through Alteon EMS. See "Accessing the switch via Telnet" on page 5.

If a configuration fails on an Alteon Application Switch 2000 or 3000 series, an error message will be generated in the Console.

Apparent timeout error when saving a configuration in Alteon EMS

When saving a new switch configuration in Alteon EMS, you should receive a message, “New Configuration successfully saved to flash”.

In some cases, a timeout error may occur if the Save action takes 4 minutes (or 48 times the user specified timeout, whichever is longer). While the configuration most likely has been saved, EMS may give up after the timeout has been reached. To confirm that the save has occurred, Telnet to the switch and enter the save command. If the message, “`No save needed.`” appears, then the configuration has been saved.

Clearing statistics on Alteon 180 or AD series web switches

Alteon EMS clears only the counter for the particular EMS window session. If you exit the EMS *Monitor* window and reopen the *Monitor* window at a later time, the counter is reverted to reflect the actual switch counter.

You may use the Alteon EMS clear statistics button on Alteon 2000 series application switches at the bottom of most Monitor windows to clear statistics from the switch as well.

Computer locks up

If your computer locks up after closing down Alteon EMS, go to the Display Properties Advanced Settings (after you reboot your PC) and disable the Hardware Acceleration on the Troubleshooting tab. Some PCs may experience a JVM defect that may be caused by the graphics controller card.

NOTE – You may not come across this problem if you use JVM 1.4.2.

Mouse clicks in Graph Windows

In Windows 95, 98 and ME, your mouse clicks may not take effect on a graph window in Alteon EMS. This is a known bug in the Java ™ 2 Runtime Environment.

1. **Download and install Tweak UI (comes pre-installed in Windows 98) from http://www.microsoft.com.**
2. **Select “General” and turn off the option for “Mouse hot tracking effects.”**

Solaris requires Netscape browser for viewing online help

When running Alteon EMS on Solaris operating systems, the online help pages can be viewed only if you have Netscape installed and running on your system. This is a known limitation reported by Sun Microsystems, Inc. To view help screens, start a Netscape browser before clicking on a help button in Alteon EMS.

Multiple Help Windows open in Windows systems

In some Windows 9x, NT, and Windows 2000 systems running Internet browsers, a separate browser window may open each time you click the Help button in Alteon EMS.

To fix this problem, you can change the settings for your default browser's association to HTML documents.

- In Windows 9x and NT:
  Open "My Computer" from the desktop and select the menu: **View >Folder Options>File Types**. Find HTML Document in the Registered File Types window. Edit the Actions to use the "open in the same window" option, and make it the default action by clicking the Set Default button.
- In Windows 2000:
  Open "My Computer" from the desktop and select the menu: **Tools>Folder Options>File Types**. Find HTML Document in the Registered File Types window. Click the Advanced button to change the Action to the "open" option, and make it the default action by clicking the Set Default button.

Screen Distortion

Some distortion may occur in the Alteon EMS screen windows if your display is configured for 24-bit color and if you are using graphics intensive applications. The distortion may be in the form of artifacts in the active window. To avoid the distortion you may change your display properties to 16-bit color or force a repaint of your display.

NOTE – You may not come across this problem if:
1. You use JVM 1.4.2 or higher
2. Your display is configured for less than 24-bit color
