

# Upgrading to Extreme Access Control 8.1

This document provides information on upgrading from NAC 6.2, and NAC 6.3 to Extreme Access Control 8.1, including requirements and instructions for upgrading the software on your Extreme Access Control Gateway engines.

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**NOTE:** NAC 8.1 is not supported on the 2S Series and 7S Series Extreme Access Control Controllers. You cannot upgrade Extreme Access Control Controllers to version 8.1, but you can use NAC Manager 8.1 to manage controllers running version 4.3.xx.

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## Requirements

When upgrading to Extreme Management Center NAC Manager 8.1, you are not required to upgrade your Extreme Access Control engine version to 8.1. However, both NAC Manager and the Extreme Access Control engine must be at version 8.1 in order to take advantage of the new NAC 8.1 features. Extreme Management Center NAC Manager 8.1 supports managing Extreme Access Control engine versions 8.1, 6.3, and 6.2.

If your NAC solution utilizes a Nessus assessment server, you should upgrade your assessment agent adapter to version 8.1 if you upgrade to NAC 8.1. Adapter installation instructions can be found in the NAC Manager User Guide in the Assessment section.

If you choose to upgrade your Extreme Access Control engine software to version 8.1, refer to the following section for information and instructions.

## Upgrading Extreme Access Control Engine Software

Use the following steps to upgrade your Extreme Access Control engine to software version 8.1.

1. There must be at least 2 GB of available disk space on the /opt partition for installing the Extreme Access Control engine software. To determine the amount of space available on the engine, run the following command:

```
df -lh
```

The available space is listed under the Avail column for the line listing the /opt partition:

```
root@nacappliance:~$ df -lh
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda1        31G   1.4G  28G   5%  /
/dev/sda3        99G   4.7G  89G   5%  /opt
```

2. Determine whether you have a 32-bit or 64-bit engine. You need this information in order to proceed with the upgrade. The remaining steps vary slightly depending on which type of engine you are upgrading.

If the Extreme Access Control engine is currently running version 4.4 or earlier, it is a 32-bit engine.

For Extreme Access Control engines running version 5.0 or later, run the following command:

```
more/etc/os-version
```

If the contents of the file say "Ubuntu 12.04lts (64bit)", you have a 64-bit engine. Proceed to step 3.

If the contents of the file say "Slackware 12.2 (32bit)", you have a 32-bit engine. If you have a 32-bit engine, please refer to the [Upgrading to a 64-bit Extreme Access Control Engine](#) topic.

3. Go to the Extreme Management Center (NetSight) (NMS) software download web page to download the upgrade file and copy it to the engine:  
<http://extranet.enterasys.com/downloads/Pages/NMS.aspx>  
After entering your email address and password, the NetSight page displays. Click on the Software tab and select a version of NetSight. Scroll down to see the Extreme Access Control engine images.

Download the Extreme Access Control 64 Bit Engine Upgrade (BIN) file.

4. Open a shell and "cd" to the directory where you downloaded the upgrade file.
5. Change the permissions on the upgrade file by entering the following command at the shell prompt:

```
chmod 755 nac_appliance_64bit_sw_upgrade_to_8.1.0.x.bin
```

6. Run the install program by entering the following command:

```
./nac_appliance_64bit_sw_upgrade_to_8.1.0.x.bin
```

7. The upgrade process begins by extracting the upgrade files. When the upgrade is complete, you can login to the engine, if desired. (If you ran the upgrade from an SSH session, you will not need to login.) Because your Extreme Access Control engine settings were migrated, you are not required to perform any configuration on the engine following the upgrade. However, if you this is a new installation, you need to specify the IP address of the Extreme Management Center (NetSight) server by entering the following command:

```
/opt/nac/configMgmtIp <NetSight Server IP>  
nacctl restart
```

8. Use NAC Manager to enforce to the engine. Enforcing writes your NAC Manager configuration information to the engine and without the enforce, the engine does not function correctly.

**NOTES:** If you are using Extreme Networks onboard agent-less assessment, a new version of the agent-less assessment software is automatically installed during the upgrade, as long as it is a newer version than the one currently installed.

If you are using Extreme Networks onboard agent-based assessment, the agent version is automatically upgraded during the install. If you want end-systems to update their agent to the new version, configure your assessment test set to test for the new agent version.

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## Getting Help

If you require assistance, contact Extreme Networks Global Technical Assistance Center using one of the following methods.

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Email [support@extremenetworks.com](mailto:support@extremenetworks.com)

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