

HiveManager 6.4r2a Release Notes

Release Date: March 17, 2015

Release Versions: HiveManager 6.4r2a

HiveManager Platforms supported: HiveManager Online, and all HiveManager Physical and Virtual Appliances.

These are the release notes for HiveManager 6.4r2a software. Known issues are described in "[Known Issues](#)" on page 4 and "[Addressed Issues](#)" on page 4.

Changes in the 6.4r2a Release

The following changes have been made in the HiveManager 6.4r2a release:

- Release 6.4r1a addresses three known issues. See "[Addressed Issues](#)" on page 4.
- Release 6.4r1b introduces two new Aerohive OUIs: D8:54:A2, C4:13:E2.

Upgrading HiveManager Software

Aerohive supports upgrading to the 6.4r2a HiveManager software from the HiveManager 5.1r2 releases or later. If your system is running an image earlier than 5.1r2, follow the steps in the 5.1r2 Aerohive release notes to upgrade HiveManager to 5.1r2 first before upgrading them to 6.4r2a.

Memory Increase Required before Upgrading to HiveManager 6.0 or Later

Before upgrading HiveManager software on existing 32-bit HiveManager physical appliances and HiveManager Virtual Appliances to 6.0r1 or later, you must first increase their memory to 3 gigabytes. For 64-bit HiveManager Virtual Appliances, you must increase the memory to 8 gigabytes. For instructions about increasing the memory for a physical HiveManager appliance, see the instructions in [Memory Upgrade for 1U HiveManager Appliances](#). For instructions about increasing the memory for a HiveManager Virtual Appliance, see "[Increasing Memory, CPU, and VM Param Settings for the HiveManager Virtual Appliance](#)" on page 2.

Upgrade HiveManager 5.1r2 or later to 6.4r2a

Use the following procedure to up grade a HiveManager standalone or HA pair.

From	Action	To
HiveManager 5.1r2 or later	Upgrade to HiveManager 6.4r2a.	HiveManager 6.4r2a
HiveOS 5.1r2 or later	Use HiveManager running HiveManager 6.4r2a to manually upgrade managed devices to HiveOS 6.4r2.	HiveOS 6.r42.

Upgrading the HiveManager Appliance

1	Back up your database as a safety precaution (Home > Administration > HiveManager Operations > Back Up Database).
2	Save the 6.4r2a HiveManager software file to a directory on your management system or SCP server. (Log in and download the 6.4r2a HiveManager software file from the Aerohive Support page.)
3	Log in to HiveManager running 5.1r2 or later and upload the 6.4r2a HiveManager software file. To update HiveManager, click Home > HiveManager Operations > Update Software , select the method to upload the HiveManager software, and then click OK . When the upload is complete, HiveManager automatically reboots to activate its new software.
4	HiveManager periodically checks for new HiveOS firmware releases that it can download to itself for distribution to managed devices. If HiveManager is connected to the Internet, it automatically obtains HiveOS firmware image files for every type of managed device from the Aerohive update server and makes the image files available in about 15-30 minutes, depending on how many image files it is downloading and its connection speed to the server. To update the HiveOS firmware image files manually, log back in to HiveManager, select the device or devices of the same type for which you want to update the HiveOS firmware, click Update > Advanced > Upload and Activate HiveOS Firmware , select the appropriate HiveOS image from the list for the selected device type, and then click Upload . If the firmware is not available in the list of HiveOS images, click Add/Remove and obtain the HiveOS image you want from the update server, your local directory, or SCP server. If you are managing various Aerohive device types, repeat the upload process for all your managed devices, and then reboot them to activate their new firmware.

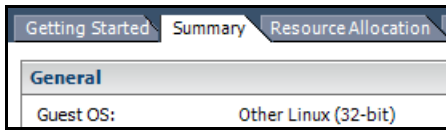
Increasing Memory, CPU, and VM Param Settings for the HiveManager Virtual Appliance

Before you can upgrade a 32-bit HiveManager Virtual Appliance to 6.0 or later, you must increase the memory for it within the ESXi hypervisor to 3 gigabytes, set the number of virtual sockets for its CPU to 2, and change VM params to 1024 megabytes.

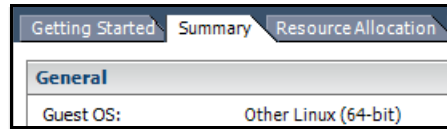
ⓘ *Upgrading the 64-bit HiveManager Virtual Appliance to 6.0 or later does not require any changes to its default memory (4 GB), CPU (4 virtual sockets), and VM param settings (1480 MB). A new 6.4r2a installation of a 64-bit HiveManager Virtual Appliance .ova file has a new default memory size of 8 GB.*

1. From the vSphere Client on your management system, log in to the ESXi hypervisor hosting the HiveManager Virtual Appliance whose memory you want to increase.
2. To check which type of system you have, select the name of the HiveManager Virtual Appliance, click **Summary**, and check whether the Guest OS indicates that it is 32 or 64 bits.

ⓘ *You can also check the system type in the HiveManager GUI. In the HiveManager 5.0 and 5.1 releases, click **Home > Dashboard**, and view the model number in the HiveManager System Information widget. The VM 1U model is 32 bits, and the VM 2U model is 64.*



32-bit HiveManager Virtual Appliance



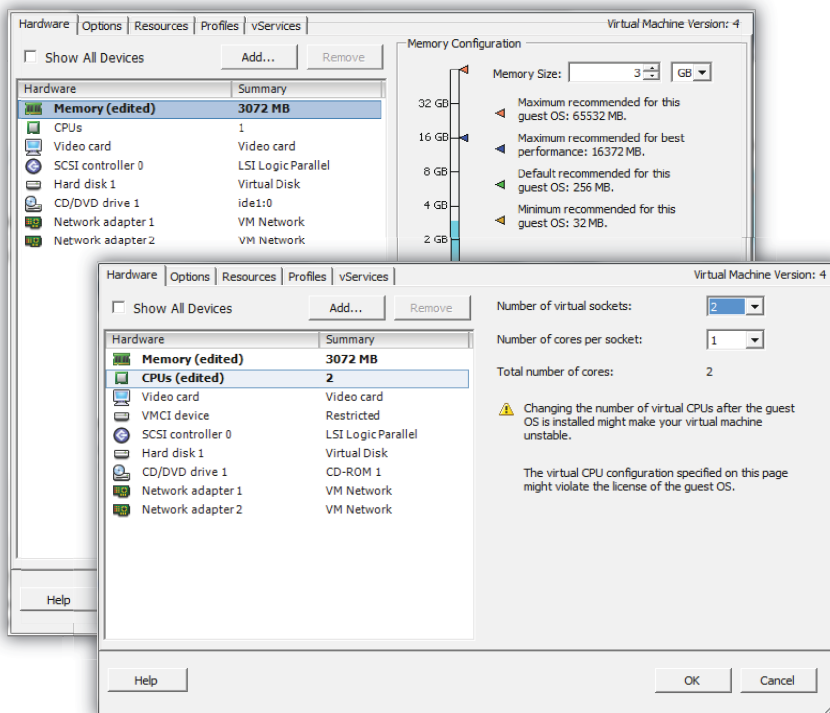
64-bit HiveManager Virtual Appliance

- If it is a 32-bit system, keep the name of the HiveManager Virtual Appliance selected, click the **Console** tab, click in the console window, and then log in to the HiveManager CLI shell. If it is a 64-bit system and is still using the default settings, you are not required to change them. However, if you want to, you can increase the memory from 4 GB to 8 GB by performing the following steps.

```

1) Network Settings and Tools
2) Display System Information
3) Advanced Product Configuration
4) Reboot Appliance
5) Shut down the System
6) Change CLI Shell Password
7) Logout of shell
Please make a choice:
    
```

- To shut down the virtual appliance, enter **5** (Shut down the system) and then enter **Y** when prompted to confirm the action.
- In the vSphere Client GUI, right-click the HiveManager Virtual Appliance name in the left navigation panel, and then click **Edit Settings**.
- On the *Hardware* tab, click **Memory**, change the value in the Memory Size field to **3 GB** for a 32-bit system or up to **8 GB** for a 64-bit system, and then click **OK**. (For a 64-bit system using its default values, there is no need to change any other settings.)
- For a 32-bit system, select **CPUs**, from the Number of virtual sockets drop-down list, choose **2**, and then click **OK**.



8. With the name of the HiveManager Virtual Appliance still selected, click **Power on the virtual machine**.
9. After the HiveManager Virtual Appliance is powered back on, click the **Console** tab, click in the console window, and log in to the HiveManager CLI shell.
10. Enter **3 - 2 - 2** to navigate to Advanced Product Configuration > Configure VM Params > Change VM Params, and then enter **1024** (for 1 GB).
11. Reboot the HiveManager Virtual Appliance to apply this setting. (You can navigate back to the home menu, and enter **4** for Reboot Appliance.)
12. After the HiveManager Virtual Appliance finishes rebooting, check that it recognizes its increased memory size by returning to the console window, logging back in to the HiveManager CLI shell, and entering **2 - 4** (Display System Information > Display Hardware Information). To complete the memory upgrade procedure, check that the MemTotal value for a 32-bit system is approximately 3,000,000 KB. (The MemTotal value for a 64-bit system is approximately 8,000,000 KB.)

Documentation

Product documentation consists of the *Aerohive New Features Guide* and online Help, as well as Help for HiveOS CLI commands. Both the *Aerohive New Features Guide* and the online Help are available by selecting the Online Docs and Videos link at the bottom of the page. To use the CLI Help, enter "keyword-SPACE-?" for example: **gos ?** In addition, there are online CLI reference guides that provide the syntax and explanations for every command in the CLI. They also include information on accessing the CLI through console, Telnet, and SSH connections, tips on using the CLI, and some keyboard shortcuts.

Help System for Mobile Devices

Aerohive provides a way for you to view to our online Help system on a mobile device. The Aerohive online Help is designed to be responsive, so in cases where viewing the Help system in a browser is inconvenient or impossible, you can view the Help content on your smart phone or tablet.

Known Issues

Known Issues in HiveManager 6.4r2a

34629	For the AP1130, in topology, there is a wide gap between the coverage shown for planned APs and for real APs.
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Addressed Issues

The following issues were addressed in the HiveManager 6.4r2a release.

Addressed Issues in HiveManager 6.4r2a

This release addresses the GHOST vulnerability (CVE-2015-0235). GHOST is caused by a buffer overflow in a system library that is used in many, if not most, Linux systems. HiveManager 6.4r2a neutralizes this vulnerability via updated libraries.

For more information on this vulnerability, visit the CVE web page at the following URL:

<https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2015-0235>

This release also addresses the following issues:

CFD-951	HiveManager was unable to display channels, stations, or RSSI heat maps from topology maps.
CFD-955	When a secondary user-profile containing an IP firewall policy was added to an existing network policy, the configuration update for this change failed.
CFD-962	Classifier maps were showing SSIDs that were not present in the network policy.

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P/N 330177-01, Rev B