

## HiveManager 6.1r3a Release Notes

Release Versions: HiveManager 6.1r3a

Platforms: All HiveManager appliances

Release Date: February 11, 2014

These are the release notes for HiveManager 6.1r3a software. Known issues are described in the "[Known Issues](#)" on page 4 section and "[Addressed Issues](#)" on page 5 section near the end of this document.

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### Upgrading HiveManager Software

Aerohive supports upgrading to the 6.1r3a 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 software to 5.1r2 first before upgrading it to 6.1r3a.

#### 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 6.1r3a

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

From	Action	To
HiveManager 5.1r2 or later	Upgrade to HiveManager 6.1r3a.	HiveManager 6.1r3a

### Upgrading the HiveManager Appliance

1	Back up your database as a safety precaution (Home > Administration > HiveManager Operations > Back Up Database).
2	Save the 6.1r3a HiveManager software file to a directory on your management system or SCP server. (Log in and download these files from the <a href="#">Aerohive Support</a> page.)
3	Log in to HiveManager running 5.1r2 or later and then upload the 6.1r3a HiveManager software file.  To update HiveManager, click <b>Home &gt; HiveManager Operations &gt; Update Software</b> , select the method to upload the HiveManager software, and then click <b>OK</b> . When the upload is complete, HiveManager automatically reboots to activate its new software.

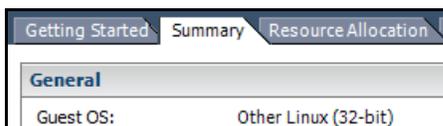
## Increasing Memory, CPU, and VM Param Settings for the HiveManager Virtual Appliance

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.

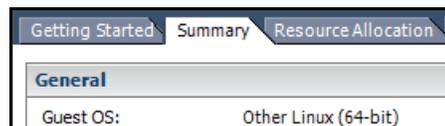
*Upgrading the 64-bit HiveManager Virtual Appliance to 6.0 or later does not require any changes to its default memory (4 GB), CPU (4 virtual sockets), and VM param settings (1480 MB). A new 6.1r1 installation of a 64-bit HiveManager Virtual Appliance .ova file has a new default memory size of 8 GB.*

- 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.
- 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

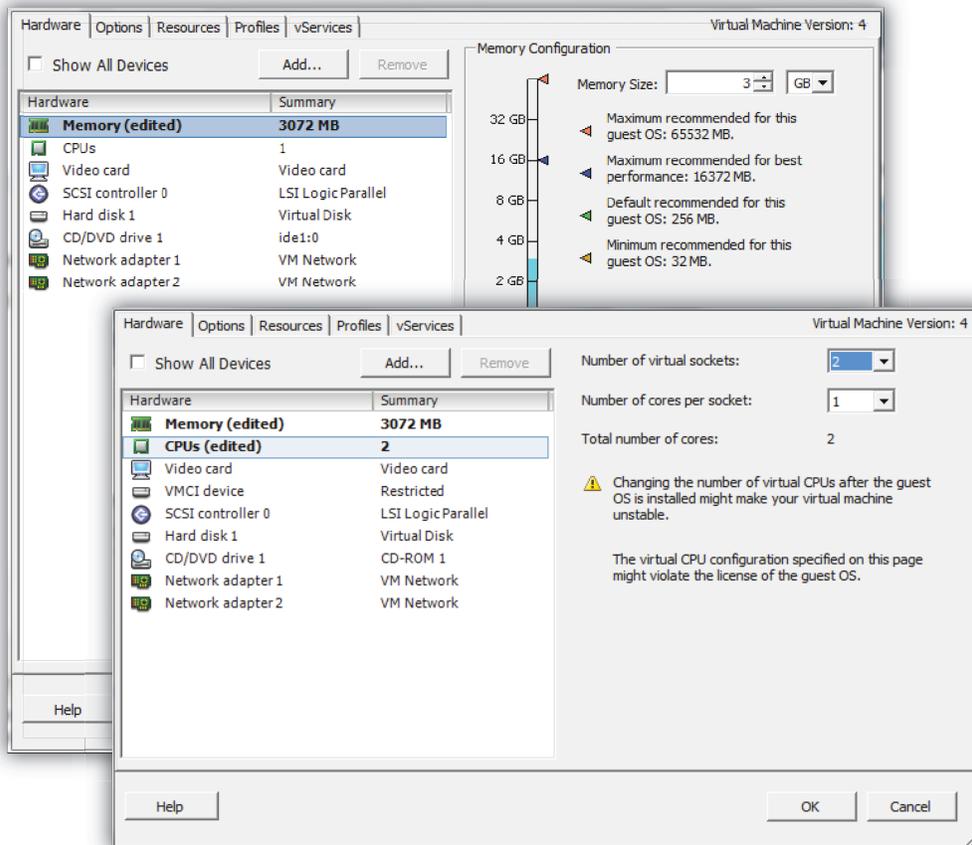
- If it is a 32-bit system, keep the name of the HiveManager Virtual Appliance selected, click the **Console** tab, click in the console window, and then log in to the HiveManager CLI shell. If it is a 64-bit system and is still using the default settings, you are not required to change them. However, 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:

```

4. To shut down the virtual appliance, enter **5** (Shut down the system) and then enter **Y** when prompted to confirm the action.
5. In the vSphere Client GUI, right-click the HiveManager Virtual Appliance name in the left navigation panel, and then click **Edit Settings**.
6. 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.)
7. 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.)

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## Documentation

Product documentation is still in progress at the time of these releases and is not yet available. However, in the *Aerohive New Features Guide*, the instructions for increasing the memory for physical HiveManager appliances, as well as Help for HiveOS CLI commands are ready. To use the CLI Help, enter "keyword-SPACE-?" for example: `qos ?`. 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.

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## Known Issues

### Known Issues in HiveManager 6.1r3a

28720	The Aerohive Application Visibility and Control Feature might only be able to recognize the "Facebook" and "Facebook Messages" applications in the applications watchlist due to a recent change by Facebook, Inc which makes HTTPS the default connection protocol. The other six Facebook applications, "Facebook Apps", "Facebook Event", "Facebook Post", "Facebook Search", "Facebook Video", and "Facebook Video Chat", might be recognized if the Facebook user connects to Facebook using HTTP instead of HTTPS, which is the new default secure connection protocol. These applications are available from the Reports > Report Settings page, from the System Defined Applications tab in the section.
27123	In ID Manager, the email and phone fields on the <i>Self Registration</i> page accept special characters that are not related to email or phone numbers, and then return illegible data because of these characters.  WA: Make sure to enter only the characters that are valid for email and phone numbers.
20947	In Bonjour Gateway, you cannot set a static VLAN when you create a wireless network policy.  WA: Configure a device as a DHCP server instead of configuring a static VLAN.
15162	Although Wi-Fi statistical reports show data at one-minute intervals accurately, they do not normalize the data for ten-minute intervals, which causes the data to appear exaggerated in the charts.

## Addressed Issues

The following issues were addressed in the HiveManager 6.1 releases.

### Addressed Issues in HiveManager 6.1r3a

31560	<p>When HiveManager (for both HiveManager on-premises appliance and HiveManager Virtual Appliance) was newly installed, the admin was unable to view any of the default certificates. The admin was also unable to generate any new certificates in the home VHM*.</p> <p>However, when HiveManager was upgraded from the previous version, administrators were able to view the default certificates unless the database was erased (Home &gt; Administration &gt; HiveManager Operations &gt; Erase Database).</p> <p>* When a new VHM was created after HiveManager was newly installed, this issue did not appear.</p>
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### Addressed Issues in HiveManager 6.1r3

30196	In the <i>Admin Account Manager</i> dialog box, the User Manager Administrators or Operators options did not appear in the Group Name drop-down list.
30101	The database was losing the device template classification settings.
30100	Device template classification settings disappeared from a cloned network policy.
29965	The list of network policies appeared in the order they were created and did not appear in alphabetical order in the Create New Filter menu.
29765	Some APs could not be updated over the CAPWAP connection after an upgrade was performed from version 6.1r1 to 6.1r2a.
29664	When creating a new Bonjour Gateway within a network policy, the table for configuring Bonjour services was missing. The window became unresponsive and the Save and Cancel buttons became unusable. You had to reload the page to continue.
29544	When attempting to log in to TeacherView using HiveManager Online, a CAS (central authentication service) authentication error appeared.
29444	The Location field of the BR series devices was correctly disabled (because they do not support certain SNMP features), but it retained legacy text content, which caused confusion as to the status of SNMP support in Aerohive BR series routers.
29142	HiveManager would sometimes set the VLAN of a wireless-only network policy to be a VLAN other than the VLAN configured.
29101	In HiveManager 6.1r2, the data in the Client Device SLA Compliance over Time and Aerohive Device SLA Compliance over Time widgets in the dashboard erroneously indicated alarm conditions.
29074	HiveManager sometimes unnecessarily performed a complete configuration update, which requires a device reboot, instead of performing a delta configuration update, which does not.
29063	After being upgraded to 6.1r1 or 6.1r2, HiveManager did not display multiple VLAN ID object definitions (distinguished by topology node, device name, and device tag classifier).
29062	An alarm stating that the default DTLS passphrase was in use frequently appeared after uploading configurations to devices and rebooting them.

28996	If a network policy included a captive web portal using self-registration or both (auth/self-reg) and did not reference a management options profile, uploading the configuration to devices caused an error because the devices were unable to check if reports about captive web portal clients was enabled.
28953	HiveManager permitted the inclusion of an SSID and a port type with the same name in the same network policy, which caused configuration uploads to devices with both Wi-Fi and Ethernet interfaces to fail.
28938	HiveManager Online: Erasing the database caused the Device Inventory button and <i>Unmanaged Devices</i> tab to disappear, making it impossible to synchronize the inventory list in the VHM with that in the redirector.
28904	After authentication using Private PSKs, some users were being placed into VLAN 1 and the incorrect user profile was being applied.
28856	When a .csv file of IP objects with a global value was imported into HiveManager, all tags were marked as having a value even though the tags were empty.
28836	When the USB port was configured as backup WAN interface on a BR100, there was no CLI available to configure its WAN priority.
28834	When the Chrome browser was used to view the HiveManager Dashboard data and memory usage was high, the <i>Application Usage over Time</i> widget did not display any data. <b>Note:</b> <i>This issue appeared when an earlier version of the Chrome browser was used to view the dashboard. It does not appear if you use the latest version of the Chrome browser.</i>
28817	When a device configuration was successfully updated to 6.1r2, and the device image was rolled back to a previous version, a warning message appeared in the Update Result column of the <i>Device Update Results</i> page.
28790	After the HiveManager Online administrator logged in to a VHM (virtual HiveManager) and added or removed a device using the <i>Device Inventory</i> drop-down menu (Monitor > All Devices), the login session expired due to inactivity, and you logged in again to add or remove another device, the <i>Device Inventory</i> drop-down menu no longer appeared.
28770	When the LED brightness was changed from Bright to Soft, an error was generated during a delta configuration upload, and the upload failed.
28736	If the number of characters in the URL of the mobile device management and captive web portal was greater than 32 characters, the configuration upload failed.
28715	When cloning a network policy that contains device templates, the device templates were deleted from both the original and cloned network policy if the cloned policy was not saved properly.
28541	During the auto provisioning process as the BR100 function was changed from a router to an AP, the same static IP address was used for the new AP, which did not match the IP network and would cause it to lose its connection to HiveManager.
28407	The colors shown in the topology maps were not indicating the correct alarm severity of APs, most of which were AP mesh points.
27140	The Samsung Tab 2 GT-P3100 device had connectivity issues during AP high-density load balancing.
25962	In the <i>Applications</i> perspective on the Dashboard, the "All Applications by Usage" widget displayed "failed to request date" for the first twenty-four hours after the initial installation or upgrade of HiveManager. The first roll up of information to this widget occurred twenty-four hours after installation. This issue does not occur when upgrading from HiveManager 6.1r1 to later versions.

25410	After disabling client learning on an SR2024 Ethernet port, HiveManager continued to display previously learned MAC addresses instead of removing them from the client list for that port.
24332	In the <i>Monitor</i> section, you could not distinguish between ports that were available (but not configured) and ports that were shut down because both port states were shown in red.
22897	A device configured as a Bonjour Gateway did not retain any realm name previously defined for it after a reboot.
21815	When zooming in to a topology map containing clients, the clients would disappear because the Show Clients check box became cleared.
15225	For a VHM on a physical HiveManager appliance or HiveManager Virtual Appliance, it was not possible to auto provision devices by specifying their subnetworks.  <b>Note:</b> <i>This is not a valid issue. Auto provisioning using an IP subnet was only intended for VHMs with non-overlapping IP subnets. You must not use this feature if there are overlapping subnetworks.</i>

## Addressed Issues in HiveManager 6.1r2a

29074	Sometimes devices unnecessarily rebooted after a simple incremental configuration update was performed.
29062	Aerohive devices displayed the "Default DTLS passphrase is in use" alarm message without any changes or configuration pushes being initiated to these devices.

## Addressed Issues in HiveManager 6.1r2

28891	HiveManager Online: It was not possible to upload a delta or complete configuration if the VHM name contained "view" in it.
28541	When the BR100 configuration was changed from a router to an AP during the auto provisioning process, the same static IP address that was used for the new AP did not match the IP network. This caused the AP to lose connection with HiveManager and, after 15 minutes, the configuration was rolled back to that of a router.
27483	A user assigned to only have access to the Redirector could not access the Redirector or HiveManager.
27249	When the HiveManager web-based SSH client was used to establish an SSH session with an Aerohive device, the connection attempt failed and an error message appeared.
26922	In HiveManager Express Mode with ID Manager enabled, there was an issue with creating and adding a Captive Web Portal Use Policy Acceptance to an SSID. This setting could be changed in the GUI, but it was not saved.
26738	If the HiveManager database was too large (over 1G, for example), performance was degraded, and the AP locked and required a reboot. This fix added the maximum size limitations for performance data and client history in the HiveManager database.
26737	When users authenticated to a network through a captive web portals using Use Policy Acceptance, the use policy text did not appear in the use policy area.
25698	User names associated with wireless clients that APs reported correctly to HiveManager were changed to "unknown" when the switch to which the APs connected sent client update events.

25272, 24281	In the <i>System Details</i> section of the Monitor > Devices > Routers > <i>router_name</i> page, HiveManager displayed the external WAN IP address that an upstream NAT device applied to an SR2024 instead of the IP address of the WAN interface itself.
25407	Wi-Fi client mode (Wi-Fi as a WAN interface) was not supported in HiveManager auto provisioning.
24768	AP330 and AP350: Performing off-channel rogue mitigation sometimes caused the AP to become unresponsive.
24309	An HTTP Status 500 error appeared on the primary HiveManager Virtual Appliance running in high-availability mode, and the primary HiveManager needed to be restarted using an SSH connection to recover.
24294	You were not able to create a new TeacherView account in HiveManager when you also had an ID Manager account. In the <i>TeacherView &gt; Classes &gt; New</i> page, clicking the New ( + ) icon launches the <i>New Teacher Account</i> dialog box. With the implementation of centralized user management through MyHive, the <i>New Teacher Account</i> dialog box did not appear in VHM that were linked to ID Manager.
23205	HiveManager was unable to manage APs using UDP, and uploading configurations failed because there is an SSH key mismatch between HiveManager and the APs.
23008	Under certain conditions, there were delays when generating a PDF report from the Maps GUI section.
19295	When a client whose OS type was determined through DHCP snooping to be "unknown" roams to another AP, HiveManager changed the OS type it displayed from "unknown" to blank because APs did not include DHCP option 55 information in their roaming cache updates.
19081	You could not import a list of client OS types into one VHM if it contained an OS type that already existed in another VHM.
18618	HiveManager allowed you to upload a network policy that had the Bonjour Gateway feature enabled to a BR100 although that platform did not support Bonjour Gateway functionality.
18067	A HiveManager operating in Express mode could not manage a CVG functioning as a Layer 2 VPN gateway and erroneously displayed any CVG that had formed a CAPWAP connection with it as an AP110.

## Addressed Issues in HiveManager 6.1r1

25784	When you upgraded HiveManager from 5.1 to 6.0r2 or later, upgraded the managed devices, and then uploaded a complete configuration to the devices, reported data might not have appeared in the widgets in the Network Summary and Troubleshooting perspectives. However, the data was displayed in the System Summary perspective.
25701	When attempting to perform an LDAP lookup from the HiveManager GUI against an Aerohive RADIUS server joined to Active Directory, the request kept processing and never completed.
25368	When a VHM admin created an application watchlist and then an admin with super user privileges logged in to that VHM from the home system, the admin with super user privileges could not see the previously added applications in the watchlist.

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25351	When upgrading the software from 5.1r5 to 6.0r2 or later, a network policy did not reference any policy-based routing profile that was a part of the policy before the upgrade. This issue has been addressed.
24942	In the "Channel Usage over Time" and "Errors over Time" graphs that appear on drill-down pages in the dashboard, HiveManager displayed the 2.4 GHz and 5 GHz data averaged together instead of separately. In the "Airtime Usage over Time" graphs, HiveManager displayed the 2.4 GHz and 5 GHz data combined together instead of separately.

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