

HiveManager Classic 8.0r1 Release Notes

Release Date: April 28, 2017

Release Versions: HiveManager Classic 8.0r1

Features and Enhancements

This release introduces the following change in behavior:

- This release introduces a new look and feel for the HiveManager Classic UI.
- This release adds support for HiveOS 6.7r2 running on BR200, BR200-WP, and BR200-LTE-VZ devices
- This release adds the ability to identify untagged devices.
- With this release, HiveManager Classic and HiveOS versions are now in sync.

Upgrading HiveManager Classic Software

Aerohive supports upgrading to the 8.0r1 HiveManager Classic software from HiveManager Classic 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 Classic to 5.1r2 before upgrading your system to 6.8r8.

Upgrade HiveManager Classic 5.1r2 or later to 8.0r1

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

From	Action	To
HiveManager Classic 5.1r2 or later	Upgrade to HiveManager Classic 8.0r1.	HiveManager Classic 8.0r1
HiveOS 5.1r2 or later	Use HiveManager Classic 8.0r1 to manually upgrade managed devices to HiveOS 6.7r2.	HiveOS 6.7r2

Upgrading the HiveManager Classic Appliance

1	Back up your database as a safety precaution. Navigate to Home > Administration > HiveManager Operations > Back Up Database .
2	Save the 6.7r2 HiveManager Classic software file to a directory on your management system or SCP server. (Log in and download the 6.7r2 HiveManager Classic software file from the Aerohive Support page.)
3	Log in to HiveManager Classic running 5.1r2 or later and then upload the 6.7r2 HiveManager Classic software file. To update HiveManager Classic, click Home > HiveManager Operations > Update Software , select the method to upload the HiveManager Classic software, and then click OK . When the upload is complete, HiveManager Classic automatically reboots to activate its new software.

Upgrading the HiveManager Classic Appliance

- 4 HiveManager Classic periodically checks for new HiveOS firmware releases that it can download to itself for distribution to managed devices. If HiveManager Classic is connected to the Internet, it automatically obtains HiveOS firmware image files for every type of managed device from the Aerohive update server and HiveManager Classic 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.

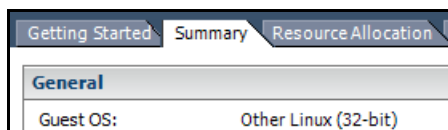
To update the HiveOS firmware image files manually, log back in to HiveManager Classic, select the device or devices of the same type for which you want to update the HiveOS firmware, click **Update > Advanced > Upload and Activate HiveOS Firmware**, select the appropriate HiveOS image from the list 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 Classic Virtual Appliance

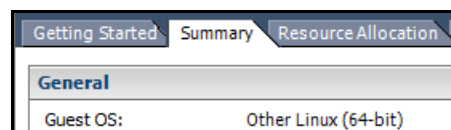
Before you can upgrade a 32-bit HiveManager Classic Virtual Appliance to 6.0 or later, you must increase the memory for it within the ESXi hypervisor to 3 gigabytes, set the number of virtual sockets for its CPU to 2, and change VM parameters to 1024 megabytes.

(“i”) Upgrading the 64-bit HiveManager Classic 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 8.0r1 installation of a 64-bit HiveManager Classic 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 Classic Virtual Appliance whose memory you want to increase.
2. To check which type of system you have, select the name of the HiveManager Classic Virtual Appliance, click **Summary**, and check whether the Guest OS indicates that it is 32 or 64 bits.



32-bit HiveManager Classic Virtual Appliance



64-bit HiveManager Classic Virtual Appliance

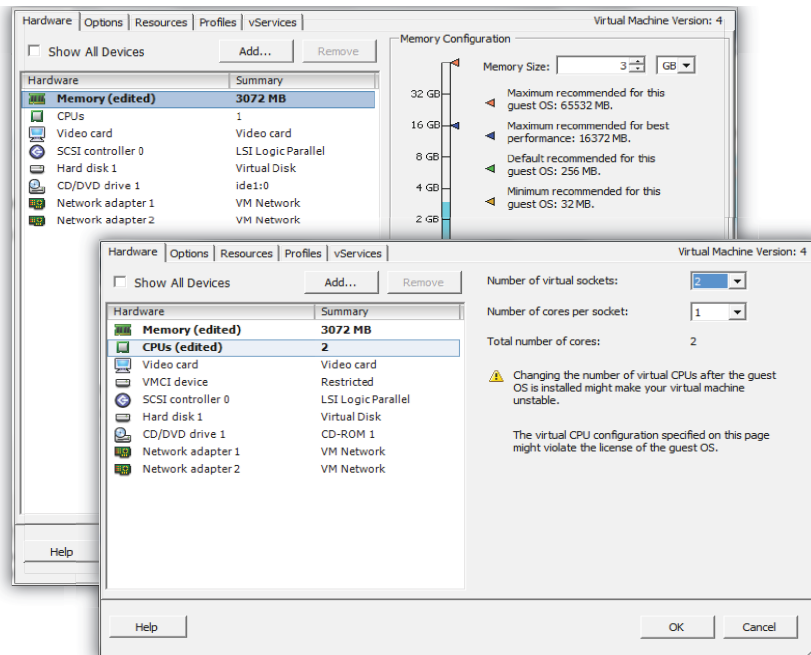
3. If it is a 32-bit system, keep the name of the HiveManager Classic Virtual Appliance selected, click the **Console** tab, click in the console window, and then log in to the HiveManager Classic CLI shell. If it is a 64-bit system and is still using the default settings, you are not required to change 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 Classic 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, select **2**, and then click **OK**.



8. With the name of the HiveManager Classic Virtual Appliance still selected, click **Power on the virtual machine**.
9. After the HiveManager Classic Virtual Appliance is powered back on, click the **Console** tab, click in the console window, and log in to the HiveManager Classic 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 Classic Virtual Appliance to apply this setting. (You can navigate back to the home menu, and enter **4** for Reboot Appliance.)
12. After the HiveManager Classic Virtual Appliance finishes rebooting, check that it recognizes its increased memory size by returning to the console window, logging back in to the HiveManager Classic 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 is still in progress at the time of these releases and is not yet available. However, the Help for HiveOS CLI commands is ready. 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 the Help system on a mobile device. The Aerohive 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

The following are known issues in the current HiveManager Classic release:

Known Issues in HiveManager Classic 8.0r1

There are no known issues in the HiveManager Classic 8.0r1 release.

Addressed Issues

The following issues were addressed in the current and previous HiveManager Classic releases.

Addressed Issues in HiveManager Classic 8.0r1

CFD-2531	Administrators could not update APs, nor verify that APs had been updated.
CFD-2466	In ID Manager, the PPSK self-registration page contained an option that performed no relevant function.
CFD-2459	HiveManager Classic was not displaying backup VPN gateways for a BR200, despite being successfully configured.
CFD-2447	HA (high availability) status information was inconsistent between the console connection and the UI.
CFD-2432	HiveManager Classic was incorrectly sending Bonjour Gateway commands to a BR100, which does not support Bonjour Gateway, and which resulted in unsuccessful delta uploads.
CFD-2391	After importing BR200 information using a .csv file, HiveManager Classic only displayed the serial number for the imported BR200 routers.
CFD-2364	Attempts to export Map data from a specific VHM resulted in a script error message.
CFD-2342	After importing switch information using a .csv file, HiveManager Classic only displayed the serial number for the imported switches.
CFD-2332	All HiveManager Classic logins were given monitor-only access.

CFD-2315	HiveManager Classic incorrectly reported the radio for Wifi0 as 2.4 GHz even though it was set for 5 GHz.
CFD-2288	HiveManager Classic was unable to push a configuration on a specific server.
CFD-2283	License information was not synchronized between HiveManager Classic nodes
CFD-2234	The certification for the SSH proxy Java applet appeared to have expired.
CFD-2231	AP250 devices were not accepting updated App signatures.
CFD-2201	The client count displayed incorrectly in the HiveManager Classic UI.
HMGR-1872	HiveManager Classic failed to upload a configuration to a HiveManager Classic Virtual Gateway appliance that is configured as a RADIUS server using the Libsip database.
HMGR-1859	For a HiveManager Classic Virtual Gateway appliance, a configuration could not be saved when the device function was changed to Layer 3 VPN gateway.
HMGR-1849	For devices using country code 840, there was co-channel interference between wifi0 and wifi1, resulting in an unsuccessful configuration update.
HMGR-1842	A configuration upload was unsuccessful when the maximum power was set to Medium-low.
HMGR-1835	With wifi0 enabled as a WAN port, HiveManager Classic returned a "Priority sequence is incorrect." warning.
HMGR-1815	BDDs could not be selected when the user clicked the All option.
HMGR-1803	The wifi0 WAN priority should not be the same as the eth0 priority.
HMGR-1786	When a policy based route was configured with custom rules, but the user did not add any rules, HiveManager Classic auto-generated an incorrect rule.
HMGR-1772	The country code could not be changed from EU (826) to EU (276) for a BR200.
HMGR-1771	If the country code was EU (826), a channel could not be set to static mode (BR200WP)
HMGR-1770	Added signature version 6.01 to HiveManager Classic
HMGR-1747	HiveManager Classic could not show or upload a configuration to a BR200.
HMGR-1726	The results in the PDF report created from the Maps page did not match the actual data.
HMGR-1720	The RADIUS server IP address was wrong in the results of a RADIUS Test from the Tools menu.
HMGR-1716	A forwarding action for a new routing policy could not be configured.
HMGR-1715	Custom actions for routing policies could not be configured.
HMGR-1713	HiveManager Classic sent a radio balance configuration to the device even though there was no change.
HMGR-1709	CSV files could not be imported.
HMGR-1680	HiveManager Classic did not recognize an uploaded HiveOS image and displayed an error message even though the uploaded image was correct.
HMGR-1659	Delta uploads failed due to an incorrect CLI command.
HMGR-1656	SSH tunnels could not be created.
HMGR-1653	It was possible to modify a HivePass Captive Web Portal, which should not be allowed.
HMGR-1633	The country code could not be changed from 268 to 826 on an AP230 running 6.8r1.
HMGR-1632	A delta configuration for usbmode was generating repeatedly.

HMGR-1631	HiveManager Classic did not send an email when it received a WAN failover major alarm from HiveOS.
HMGR-1628	AP-specific CLI commands were being generated on routers.
HMGR-1627	The <code>show running config</code> command for an AP displayed a default system LED power-saving value that does not need to be displayed.
HMGR-1623	AP-specific CLI commands were being generated on routers.
HMGR-1622	When configuring more than one IP firewall network policy, the user should be able to add a redirect URL to the policies.
HMGR-1620	When Mac authentication was enabled on the wired Eth1 port on an AP, HiveManager Classic was unable to generate the CLI, resulting in an unsuccessful delta config to the AP.
HMGR-1619	HiveManager Classic was incorrectly generating the ip-policy configuration for virtual HiveManager Classic Appliances and Aerohive switches.
HMGR-1616	The port-range would not download correctly through the supplemental CLI.
HMGR-1615	After a successful delta configuration upload, HiveManager Classic still generated a "web-security-proxy websense-v1 http-proxy-port 8081" CLI.
HMGR-1611	HiveManager Classic was incorrectly generating BR Layer 3 police commands for APs.
HMGR-1610	HiveManager Classic was incorrectly generating qos Layer 3 police default commands during a delta upload.
HMGR-1608	AVC signatures were not being attached to the HiveManager Classic Upgrade packet.
HMGR-1605	HiveManager Classic was incorrectly generating the ip-policy bind to user-profile CLI for BR200WP devices.
HMGR-1603	HiveManager Classic was incorrectly generating msg-auth-all-messages CLI. Message Authenticator is not supported for HiveOS 6.7r2.
HMGR-1582	The ICMP network service default idle time should be no more than 5 seconds. These times differed between HiveManager Classic and HiveOS.

Addressed Issues in HiveManager Classic 6.8r7

CFD-2123	Customer was unable to create an SSH connection to APs after upgrading to 6.5r5.
CFD-2122	In HiveManager Classic 6.6r1, after designating which maps can be viewed and accessed, the saved maps did not appear in the available maps list.
CFD-2199	Dashboard data was not appearing in the device group summary for APs in some buildings.
CFD-2206	HiveManager Classic appliance failed to push a configuration to the active secondary HiveManager Classic after a failover from primary to secondary.
CFD-2212	HTTP proxy server settings disappeared from APs after a complete configuration push in HiveManager Classic 6.5r5 and HiveOS 6.8r1.
CFD-2217	For APs configured with the Romanian country code (642), HiveManager Classic did not configure the 5 GHz interface correctly.
CFD-2224	The backup (passive) CAPWAP client server name was not included in the configuration of an HA pair.
HMGR-1556	No event logs were being generated for the AP122.

HMGR-1555	Although the Bonjour-Gateway option was deselected, the network policy still shows the bonjour-gateway profile in the HiveManager Classic UI.
HMGR-1554	The country codes for the AP122 were updated.
HMGR-1553	When Bonjour-Gateway was enabled for a network policy that was applied to an AP122 device, the AP122 considered bonjour gateway to be disabled.
HMGR-1552	iBeacon data was not being displayed for AP122 devices.
HMGR-1546	The bonjour gateway settings on the AP122 and HiveManager Classic do not match.
HMGR-1544	Changing the Tx Retry Rate Alarm Threshold setting for multiple APs at once was not successful.
HMGR-1542	HiveManager Classic Online generated incorrect ip-policy ids, causing configuration uploads to fail.
HMGR-1524	Managed AP122s were displayed as unmanaged devices on an HiveManager Classic virtual appliance.
HMGR-1523	Although the AP550 supports four radio chains, HiveManager Classic 6.8r6 treated it as a 3-chain platform.
HMGR-1522	Spectrum analysis was not supported for the AP122.
HMGR-1518	Turbo mode was not supported for AP122 devices.
HMGR-1517	VPN server support was removed for AP100 series devices due to performance impact.
HMGR-1515	The ability to detect IoT devices was added to HiveManager Classic.
HMGR-1505	HiveManager Classic was failing to upgrade BLE firmware for the AP122.
HMGR-1497	The Static Packet-forwarding Rules setting for eth1 should not apply for AP122 devices.
HMGR-1496	HiveManager Classic issued an incorrectly formatted command to configure the red0 interface to allow all VLANs.
HMGR-1483	The AP122 part number information was missing on the PDF map report.
HMGR-1477	SR2148P switch running 6.5r5 does not support secure ports, however after upgrading to 6.8r6, secure-port settings are pushed to the switch, resulting in the disconnection of any APs associated with the switch.
HMGR-1476	The iBeacon option is not displayed for AP122 devices.
HMGR-1463	Attempts to configure a new AP122 in HiveManager Classic were being blocked by Bonjour Gateway.
HMGR-1454	After upgrading from 6.8r3 to 6.8r5, the Explicit only transmit beamforming mode setting was returned to Auto.
HMGR-1327	For either an automatic or manually-issued LED power-saving mode command, a delta configuration update returns a "no LED power saving mode" error.

Addressed Issues in HiveManager Classic 6.8r6

CFD-2002	HiveManager Classic defined the management VLAN as VLAN 1 even when a different VLAN number was specified.
CFD-2076	HiveManager Classic sometimes did not upgrade from 6.8r3 to 6.8r4
CFD-2102	AP121 devices did not receive the correct application signature files when upgrading from 6.6r3.
CFD-2159	APs were not being redirected to the new server after an upgrade from 6.8r4 to 6.8r5.

CFD-2175	Network policy parameters were changing arbitrarily after an upgrade to 6.8r3.
HMGR-1459	HiveManager Classic was not supporting a rollback in the event of an alarm.
HMGR-1470	The CAPWAP servers were not responding.
HMGR-1471	Support for HiveOS 7.1r1 for AP130, AP1130, AP230, AP250, AP550, and AP245X.

Addressed Issues in HiveManager Classic 6.8r5

CFD-2032	User logins that were identical except for letter capitalization were granting different access levels. For example a user logging in as AdamSouth@123.com was granted proper limited access based on their assigned user group, but if the same user logged in as adamsouth@123.com, they were granted full network access.
CFD-2030	The country code could not be changed to Canada for APs running HiveOS 6.5r4 and HiveOS 6.8r1 and HiveManager Classic 6.8r3.
CFD-2026	Although HiveManager Classic 6.5r1 was operating normally, email notifications for CAPWAP connections were taking over an hour to arrive.
CFD-2016	Upgrading to HiveManager Classic versions later then 6.2r1 caused user profiles to disappear.
CFD-1973	ID Manager PPSK users were unable to authenticate and instead received a "customer license has expired" message, even though the subscription was still valid.
CFD-1955	For IKE phase-1 configurations, the AES key length did not match between a BR200 and a HiveManager Classic Virtual Appliance.
CFD-1882	Accented characters were appearing in customer's captive web portal as question marks (?).
CFD-1525	Attempts to generate a heat map sometimes displayed a "Temporarily Unavailable" page.
HMGR-1432	Change in behavior: With HiveManager Classic 6.8r7, Aerohive recommends that channel separation should be at least three times the channel width (60 MHz for 20 MHz channels, and 120 MHz for 40 MHz channels).

Addressed Issues in HiveManager Classic 6.8r4

CFD-1988	Customers experienced high CPU usage levels after upgrading from 6.8r2 to 6.8r3.
CFD-1984	When a social login SSID was configured, messages in the configuration audit were not displayed correctly.
CFD-1979	The configuration audit message for the LED power-saving mode was inconsistent.
CFD-1932	The VHM was not accessible and there were configuration errors after upgrading a HiveManager Classic Virtual Appliance from 6.6r3 to 6.8r2.
CFD-1922	The customer received an error message when attempting to add presence analytics APs to a retail location.
CFD-1128	HiveManager Classic displayed an incorrect number of selected APs when using filters.
HMGR-1311	SSHv2Hello has been deprecated due to security concerns.

Addressed Issues in HiveManager Classic 6.8r2a

CFD-1844	When uploading a configuration containing changes to the LED behavior, HiveManager Classic 6.8r2 returned a message indicating an XML problem.
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Addressed Issues in HiveManager Classic 6.8r2

CFD-1792	An empty instance of major alerts were logged when major events occurred, regardless of whether major alerts were configured to be logged; however, when major alerts were configured to be logged, the empty alert was accompanied by the fully formed alert.
CFD-1767	HiveManager Classic would return an empty report when a region or building was chosen instead of a specific floor to filter results.
CFD-1758	Client reports could not be generated for some short time periods, but were generated properly for longer time periods.

Addressed Issues in HiveManager Classic 6.8r1

CFD-1574	The letters ä, ö, ü, and ß were not rendered properly in the localized German captive web portal acceptance policy text.
CFD-1535	HiveManager Classic Online did not display historical client association data correctly if the requested time range exceeded three days.
CFD-1362	Some of the aggregated total values did not accurately reflect the arithmetic totals of the component values in the dashboard.
CFD-1128	HiveManager Classic sometimes calculated the number of selected devices incorrectly when a filter was used and there were more devices selected than the page could display.