Aerohive Release Notes

Release Versions: HiveOS and HiveManager 6.1r1, ID Manager, StudentManager 1.1r3

Platforms: All AP, BR, and SR series devices; HiveOS Virtual Appliance; ID Manager, and all HiveManager appliances

Release Date: June 18, 2013

These are the release notes for HiveOS 6.1r1 firmware, HiveManager 6.1r1 software, ID Manager June 2013, and StudentManager 1.1r3 software. These releases contain numerous new and enhanced features, summaries of which are described in the following section. For more detailed descriptions, see the *Aerohive New Features Guide for HiveOS and HiveManager 6.1r1*. The known issues are described in the "Known Issues" on page 8 section near the end of this document.

Memory Increase Required before Upgrading to HiveManager 6.0 or Later

Before upgrading HiveManager software on existing HiveManager physical appliances and HiveManager Virtual Appliances to 6.0r1 or later, you must first increase their memory to 3 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 5.

((i)) *Before upgrading HiveManager, it is always a good precaution to do a full backup of the database.*

New Features and Enhancements in the 6.1 Releases

The following are the new features and feature enhancements in the HiveOS and HiveManager 6.1 releases.

New Hardware Platforms

SR2124P: This release introduces the SR2124P switch, the second in the Aerohive SR Series of switches that provide wired network access. Aerohive switches are configured, managed, and monitored through the cloud-enabled HiveManager and run HiveOS. The SR2124P model features PoE support on all 24 ports plus four 10 Gigabit SFP/SFP+ upload ports. The SR2124P switch can also operate as a router with full Aerohive router functionality. This switch will be released shortly after the 6.1r1 software.

New and Enhanced HiveOS and HiveManager 6.1r Features

The following are the new features and feature enhancements in the HiveOS and HiveManager 6.1r1 releases.

Presence Analytics (Retail Analytics): Aerohive and Euclid have formed a partnership to give physical retailers a free *Retail Analytics* function that is integrated directly into their HiveManager online or on-premises accounts. Presence Analytics allows you to monitor an unlimited number of retail stores, browse visitor traffic, collect data about shopper engagement and loyalty, compare retail activity across stores, view historical information, and share data with fellow retailers. You can also choose to upgrade to a premium Euclid account for access to more detailed metrics, greater historical data collection, and other capabilities, such as custom analysis.

Anonymous Access and Self-Registration with ID Manager: This release adds Anonymous Access and Self-Registration to ID Manager. Anonymous Access allows businesses to offer Internet access to visiting guests using mobile devices as a courtesy so that they do not have to pay for this service through their Internet providers. Self-Registration allows businesses to configure a captive web portal where a guest asks for and receives a user name and password, uses these credentials to log in at first use, and then has ongoing access without the need to log in as long as they are in range, or until the ID Manager admin disables their account.

Client Management (Trial Version): With this feature, you can automatically provision and manage Apple mobile devices running i OS 5 or later and Apple computers running Mac OS X v10.7 or later as they connect to the wireless network. The Aerohive AP with which the client connects checks if the client is currently enrolled and, if not, a Wi-Fi configuration and an enrollment profile (with client and CA certificates and a mobile device management profile) are installed on the client to apply device security controls such as permitted applications and behavior. These profiles can differ based on whether the device matches a list of MAC addresses of corporate-issued devices or if it is a personally owned device.

Manual Private PSK Activation Timeout: This is a performance enhancement for private PSK activation which makes activation much faster. There is no direct customer impact.

StudentManager Enhancements: StudentManager can now integrate with Aeries SIS (Student Information System) natively. Natively integrating with Aeries allows you to import and manage classes and schedules, along with the access of students to school network and Internet resources using StudentManager. After you configure StudentManager and Aeries SIS to work together and synchronize the school data, you can view and manipulate data through StudentManager.

StudentManager and TeacherView Website Redirection: Teachers now have improved website redirection. When the teacher redirects students to a specified website, StudentManager and TeacherView can now redirect students to websites that access external content, including those that use content delivery networks to supply content and that subsequently redirect to another site. Also, students can be redirected to websites whose URL has changed and that are optimized for mobile devices.

New and Enhanced HiveManager 6.1r1 Features

ID Manager GUI Enhancements: This release introduces a new look for the ID Manager administration interface. The new home page is divided into three clearly defined sections that provide at-a-glance visibility into critical information about your ID Manager account, and clear pointers to ID Manager configuration processes. HiveManager Online customers can now request a free 30-day trial of ID Manager.

MyHive and HiveManager Initial Login Experience. This release introduces a new user experience for system administrators logging into a new version of HiveManager. The experience differs for system administrators of on-premises HiveManager, HiveManager Online, and on-premises HiveManager with the Redirection Server (also called the Redirector). Three new screens have been added to the on-premises HiveManager and HiveManager Online login experience. The *Review Inventory* page provides a list of Aerohive devices. For on-premises HiveManager, this page displays the total number of Aerohive devices connected to HiveManager at login. For HiveManager Online, this page displays a list

of Aerohive devices that have been licensed to your organization, including the device type, as well as the total number of Aerohive devices. The *Activate License* page displays license and entitlement key information and allows you to activate your license. The *Management Settings* page requires you to change the default password, choose the Express or Enterprise mode, and select a time zone. (If you delete a HiveManager database, the *Review Inventory* and *Management Settings* pages are displayed. However, the *Activate License* page is not displayed in this case.) After you have completed these changes, a *Congratulations!* page is displayed. When you exit this page, the HiveManager Configuration panel is displayed.

In addition to the changes described above, existing HiveManager Online system administrators will notice a new welcome screen in MyHive and that there is no longer a separate Redirector that is visible from this page. Instead of an external Redirector, you can use the HiveManager Online interface to add and remove devices.

Changes to Behavior and Appearance

The following changes to behavior and appearance have been introduced in the 6.1r1 releases:

- Only an admin with super user privileges can allow HiveManager to display the following option in 11na radio profiles: Enable radar detection without changing channels. The place where the admin can enable this is in the *Update DFS (Dynamic Frequency Selection) Settings* section on the *HiveManager Settings* page.

- HiveManager Online system administrators will notice that there is no longer a separate Redirector that is visible from the *MyHive* page. Instead of an external redirector, you can use the HiveManager Online interface to add and remove devices. In conjunction with this change, a new *Remove* button, available from the *Monitor* and *Configuration* pages, permits you to remove a device from your HiveManager network, the serial number of the device from the HiveManager database, and the configuration from the device. The device does not automatically reconnect to the HiveManager network. Also, a new option in the *Utilities* pull down menu, Reset Device to Default, is available from the *Monitor* and *Configuration* pages. This option allows you to reset APs, branch routers, switches, and VPN gateways. The *Reset Device to Default* option removes the device configuration from the device and from HiveManager. (However, the bootstrap configuration remains unchanged.) Then the device reconnects to the HiveManager network automatically.

- Another new option in the *Utilities* pull down menu of HiveManager Online, Aerohive Device Inventory, permits you to access the Redirector to check the inventory list of devices as well as add devices to your network. The Redirector is displayed in a separate tab of the same browser window with which you used to open HiveManager Online. You could use this option to view your inventory of Aerohive devices and understand which devices have successfully been able to connect to the Redirector.

- In this release, QuickStart network policies, SSID objects, user profile objects, and port type objects have been removed. However, QuickStart policy templates that you created in previous releases are supported in 6.1r1.

- The tracking timeout setting has been removed from the track IP feature. Instead the timeout value is always the same as that of the tracking interval value.

- APs can provide MAC authentication on their Ethernet ports in access mode.

- PCI compliance reports can be scheduled.

- An SR2024 switch in router mode can now receive its WAN interface network settings through PPPoE.

- TeacherView resource maps have been returned to HiveManager.

- In ID Manager, an SSID that is created using an on-premises HiveManager does not appear in the drop-down list for guest types in the ID Manager administration GUI.

Upgrading HiveManager Software and HiveOS Firmware

Aerohive supports upgrading to the 6.1 HiveManager software and HiveOS firmware from the HiveManager and HiveOS 5.1r1 releases or later. If your systems are running images earlier than 5.1r1, follow the steps in the 5.1r1 Aerohive release notes to upgrade HiveManager software and HiveOS firmware to 5.1r1 first before upgrading them to 6.1.

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 5.

Step 1: Upgrade 5.1r1 or later to 6.1r1

When upgrading HiveManager software and HiveOS firmware to 6.1r1, upgrade HiveManager first and then the Aerohive devices second. The upgrade procedures for HiveManager in standalone and HA modes are outlined below.

From		To
HiveManager 5.1r1 or later	Upgrade to HiveManager 6.1r1.	HiveManager 6.1r1
HiveOS 5.1r1 or later	Use HiveManager running HiveManager 6.1r1 to upgrade managed devices to HiveOS 6.1r1.	HiveOS 6.1r1

1.   Back up your database as a safety precaution (Home > Administration > HiveManager Operations > Back Up Database).

Upgrading a Standalone HiveManager Appliance

2.   Save the following files to a directory on your management system or SCP server:

6.1r1 HiveManager software file

6.1r1 HiveOS firmware files for all the managed device platforms being updated

3.   Log in to HiveManager running 5.1r1 or later, upload 6.1r1 HiveOS firmware files, and then upload the 6.1r1 HiveManager software file. When the upload is complete, HiveManager automatically reboots to activate its new software.

4.   Log back in to HiveManager, which is now running 6.1r1, and upload HiveOS 6.1r1 from HiveManager to all managed devices, and then reboot them to activate their new firmware.

Upgrading an HA Pair of HiveManager Physical or Virtual Appliances

2.   Save the following files to a directory on your management system or SCP server:

6.1r1 HiveManager software file

6.1r1 HiveOS firmware files for all the managed device platforms being updated

3.   Log in to HiveManager running 5.1r1 or later, and convert the two HA nodes back to standalone appliances.

4. Upload the 6.1r1 HiveOS and 6.1r1 HiveManager image files to the HiveManager appliance that was the former primary node. When the upload is complete, HiveManager automatically reboots to activate its new software.

5. Log in to the GUI on the former secondary HA node, and update it to HiveManager 6.1r1.

6. Make an SSH console connection to the HiveManager appliance that was formerly the secondary node, and enter the following in the CLI shell (within 30 days of disabling HA):

    3 Advanced Product Configuration

      1 Configure HiveManager

        3 Re-initialize HM Database; and then enter **Y** when asked to continue with the re-initialization

7. Log back in to the HiveManager appliance that was the primary HA node and reform the HA pair.

8. Upload HiveOS 6.1r1 from HiveManager to all managed devices, and then reboot them to activate their new firmware.

Step 2: Reload the HiveOS Configurations

1. Check that the firmware upgrade is complete (see Monitor > Devices > Device Update Results).

2. Upload the full configurations from HiveManager to the devices, and then reboot them to activate the 6.1-compatible configurations.

> ^{((¡))} *HiveManager running HiveManager 6.1r1 can support hives running HiveOS 5.1r1-6.1r1. Based on the HiveOS version that the members of each hive use, HiveManager generates different configurations. Therefore, it is necessary to activate the HiveOS 6.1 firmware on managed devices before updating their configurations so that the updated configurations use the new 6.1 format.*

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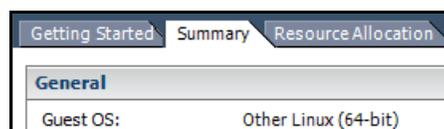
> ^{((¡))} *Upgrading the 64-bit HiveManager Virtual Appliance to 6.0 or later does not require any changes to its default memory (4 GB), CPU (4 virtual sockets), and VM param settings (1480 MB). A new 6.1r1 installation of a 64-bit HiveManager Virtual Appliance .ova file has a new default memory size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

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.*

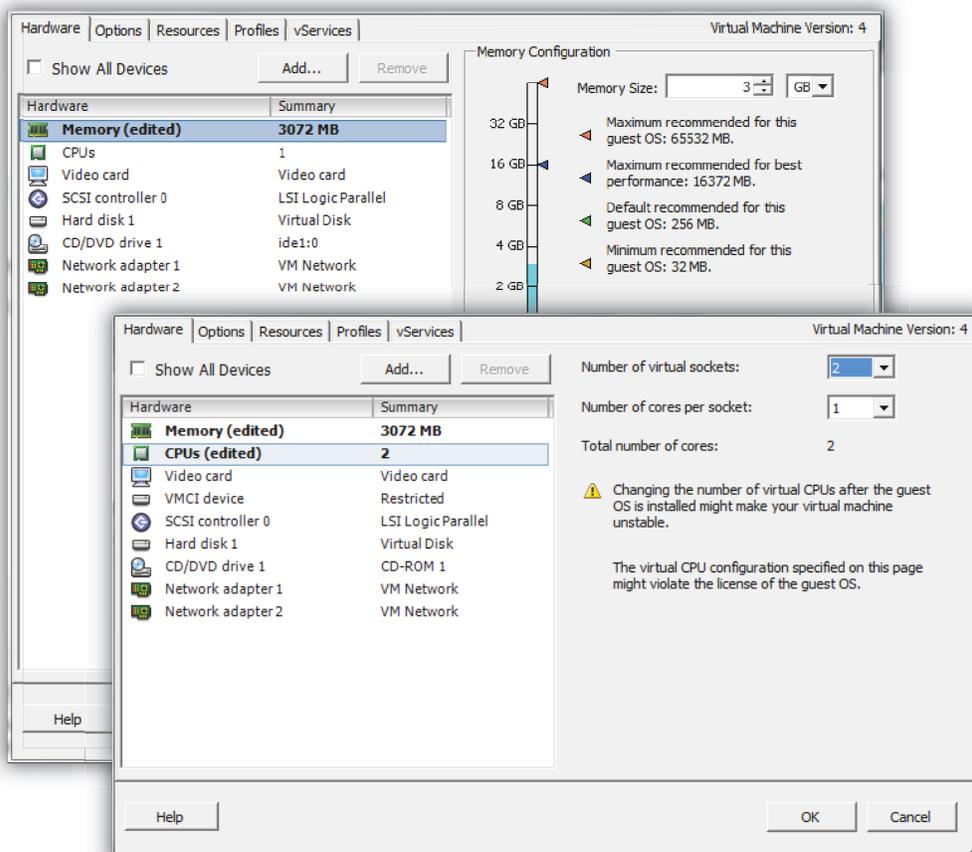**32-bit HiveManager Virtual Appliance**   **64-bit HiveManager Virtual Appliance**

3. 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.)

Documentation

Product documentation is still in progress at the time of these releases and is not yet available. However, 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.

Known Issues

The following are known issues at the time of the HiveManager 6.1r1 release.

Known Issues in HiveOS 6.1r1

27160	In TeacherView, HiveOS can identify which URLs that teachers access, but it cannot identify which URLs that students access.
27038	In TeacherView, an issue may arise with the list of permitted URLS in the Follow Me list when a teacher and students use different types of devices (mobile devices and PCs). The URLS expected by mobile devices and PCs for the same web site may differ. For instance, when a teacher permits the Wikipedia website using a mobile device the URL is m.wikipedia.org. However, the URL for the same website on a PC is www.wikipedia.org. As a result, a student using a PC will not be able to access Wikipedia even when it is included in the Follow Me list. WA (Workaround): Manually add the permitted URLs to the Follow Me feature.
26979	When a LAN port on a BR200-WP receives a tagged VLAN 1 packet, it treats the packet as an untagged packet and instead matches the packet to the native VLAN configured on that port. WA: If you need to send tagged traffic, send it out a VLAN other than VLAN 1.
26921	In TeacherView, there is an issue with Internet Explorer not displaying the entire TeacherView Class web page. WA: Adjust the resolution of your PC or open TeacherView in another browser.
26626	When Bonjour Gateway is enabled, there is an issue with client TCP traffic (sent using Telnet, HTTP, HTTPS, SSH, or Web UI) not reaching an AP when the client and AP are assigned to different VLANs. WA: To resolve this issue, make sure the mgt0 port of the AP and client are in the same subnet.
25625	Application reporting is affected when a topology consists of a HiveManager connected to a BR200 that is, in turn, connected to one or more APs. When an AP receives client traffic that contains application reporting, it reports this traffic to HiveManager. Then the BR200 reports this same application reporting traffic to HiveManager. This results in HiveManager reporting duplicate application traffic in the widgets on the Application tab.

25297	There is a mismatch in data reporting between the HTTP application in the "All Applications by Usage" and the TCP application in the "Top 20 Watchlist Applications by Usage" widgets in the Dashboard section when HTTP is not included in the "Top 20 Watchlist Applications by Usage" widget. If HTTP is not included in this watchlist, then the HTTP data is reported as TCP because the HTTP protocol runs on TCP. WA: Add HTTP, UDP, and TCP to your "Top 20 Watchlist Applications by Usage" widget. If possible also add SSL to this widget.
25193	After an AP320 or AP340 reboots, it can occasionally take 3-5 minutes to begin providing wireless services.
25055	Band steering with the safety net enabled does not distribute clients between the 2.4 GHz and 5 GHz radio bands as expected.
24230	An SR2024 in switch mode does not send the user profile ID of hosts connected to it to an Aerohive router upstream. Because the switch does not communicate the user profile ID, an upstream Aerohive router does not apply the user profile settings as expected. WA: Assign a user profile to the port on the router that is physically connected to the switch.
23952	When an SR2024 in router mode reaches maximum throughput capacity and silently begins discarding packets, it does not report them to the dropped packet counter.
23364	Application Visibility and Control does not differentiate the Google Calendar application from other Google applications due to changes made by Google.
20139	Although an SR2024 in router mode marks outbound traffic so that upstream devices can apply QoS, it does not apply QoS itself to the traffic it routes.
18080	An Aerohive router does not apply the same user profile to traffic that an AP forwards to it from a client connected to one of its Ethernet ports in bridge-access mode.
18053	MDM (mobile device management) enrollment does not work with Apple TVs because they cannot complete the enrollment process. Apple TVs do not have a browser to enroll in mobile device management. WA: Connect Apple TVs through SSIDs that do not have MDM enabled.
17970	A BR100 in AP mode cannot process 802.1X authentication for a new client connected to a LAN port for five minutes after a previously authenticated client disconnects.
16266	The application of an HTTP ALG on an Aerohive device is incompatible with any Websense solution except the web security feature that you can set on Aerohive routers and disrupts HTTP traffic proxied to a Websense server. WA: Disable the HTTP ALG, but note that doing so removes the ability of TeacherView to identify URLs that students visit.
15523	If you define an SSID with private PSK self-registration and the wireless + routing network policy does not contain a network object using VLAN 1 with a subnetwork that has a DHCP server enabled, the clients of unregistered users will be unable to get network settings through DHCP. WA: Because private PSK self-registration always assigns unregistered user clients to the default user profile, which puts them in VLAN 1, the network policy must also include a network object that binds a subnetwork with a DHCP server enabled to VLAN 1 so that clients assigned to that VLAN can get their network settings through DHCP.

15474	With its default configuration, an AP mesh point cannot join the hive and then connect to the network using a BR100 as its portal because the BR100 wifi0 interface is in access mode.
	WA: Deploy the BR100 first and set its wif0 interface in dual mode so that it can provide network access to users and a wireless backhaul link for APs.
14603	If you enable OSPF route advertisements on both the eth0 and eth1 interfaces of the CVG, traffic from hosts in the corporate site might be routed through the CVG to the public network instead of taking a different path.
	WA: Only advertise routes on one interface, either eth0 or eth1.

Known Issues in HiveManager 6.1r1

27483	A user assigned to only have access to the Redirector cannot access the Redirector or HiveManager.
	WA: Assign a user to have access to both HiveManager and the Redirector.
27123	In ID Manager, the email and phone fields on the *Self Registration* 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.
26922	In HiveManager Express Mode with ID Manager enabled, there is an issue with creating and adding a Captive Web Portal Use Policy Acceptance to an SSID. This setting can be changed in the GUI, but it is not saved.
25962	In the *Applications* perspective on the Dashboard, the "All Applications by Usage" widget displays "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 occurs twenty-four hours after installation.
25698	User names associated with wireless clients that APs report correctly to HiveManager are changed to "unknown" when the switch to which the APs connect send client update events.
	WA: Disable client reporting on the switch for the ports to which the APs are connected by entering the following command: `no eth1/x client-report enable`
25469	The signal strength of wired clients is shown in the Topology map.
25410	After disabling client learning on an SR2024 Ethernet port, HiveManager continues displaying previously learned MAC addresses instead of removing them from the client list for that port.
25407	Wi-Fi client mode (Wi-Fi as a WAN interface) is not supported in HiveManager auto provisioning.
	WA: To configure Wi-Fi client mode on a router using the NetConfig UI, make sure auto provisioning is not enabled on the device. Otherwise, the Wi-Fi client mode settings will be removed as part of auto provisioning resulting in device disconnection, including connection to HiveManager, via a Wi-Fi WAN interface
25272, 24281	In the *System Details* section of the Monitor > Devices > Routers > *router_name* page, HiveManager displays the external WAN IP address that an upstream NAT device applies to an SR2024 instead of the IP address of the WAN interface itself.
24294	You cannot create a new TeacherView account in HiveManager when you also have an ID Manager account.
	WA: Use the MyHive admin account manager to create a new teacher account in TeacherView.

24332	In the *Monitor* section, you cannot distinguish between ports that are available (but not configured) and ports that are shut down because both port states are shown in red.
23940	A network policy referencing an SR2024 device template in which the 1/25 – 1/28 ports are configured as members of an aggregate port cannot be successfully uploaded to a switch.
23008	Under certain conditions, there are delays when generating a PDF report from the Maps GUI section. WA: After generating a PDF report from the Maps GUI section, wait over twenty minutes for the completed report. Or, remove some APs from your topology and then generate the PDF report.
20978	It is not possible to reorder Bonjour filter rules or network firewall policy rules when accessing them from within a network policy using Internet Explorer 9. WA: Reorder the filter and network policy rules by navigating to Configuration > Advanced Configuration > Common Objects > Bonjour Gateway Settings and Configuration > Advanced Configuration > Security Policies > Network Firewall Policies. Another alternative is to use a different browser from Internet Explorer 9.
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.
19295	When a client whose OS type was determined through DHCP snooping to be "unknown" roams to another AP, HiveManager changes the OS type it displays from "unknown" to blank because APs do not include DHCP option 55 information in their roaming cache updates.
19141	Although some clients with the same OS might send different DHCP parameters, multiple different DHCP option 55 lists cannot be mapped to the same client OS type
19081	You cannot import a list of client OS types into one VHM if it contains an OS type that already exists in another VHM.
18618	HiveManager allows you to upload a network policy that has the Bonjour Gateway feature enabled to a BR100 although that platform does not support Bonjour Gateway functionality.
18067	A HiveManager operating in Express mode cannot manage a CVG functioning as a Layer 2 VPN gateway and erroneously displays any CVG that has formed a CAPWAP connection with it as an AP110.
16866	If you move a CVG to a new ESXi server, the MAC address of its eth0 interface changes. As a result, HiveManager can no longer recognize it as the same one and instead treats it as a new CVG. WA: Move the CVG in such a way that the original eth0 interface MAC address does not change, or delete the existing CVG entry from HiveManager and then add the new CVG after the move is complete.
15225	For a VHM on a physical HiveManager appliance or HiveManager Virtual Appliance, it is not possible to auto provision devices by specifying their subnetworks. WA: Use device serial numbers.
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.

Known Issues in ID Manager

27239	Actions taken on ID Manager admin accounts are only reflected in the audit log of the system where the action occurred, not on both ID Manager and the portal.
	WA: To form a complete audit trail, merge the logs from the portal and ID Manager.
27111	If you renew an ID Manager account before the existing account expires, the new account begins from the time that the renewal order is placed, not from the time that the previous account expires, so you lose the overlapping time.
	WA: When the Aerohive order entry team enters a renewal or expansion for an ID Manager order, they need to manually set the start time and end time correctly in NetSuite before saving the order.

Known Issues in StudentManager

27423	A problem exists with the "Follow Me" function. After a period of time, students might be denied access to sites visited by the teacher. The *Follow Me* function does not redirect students to websites, instead it is a dynamic whitelist that allows students to visit sites visited by the teacher.
	WA: Teachers can use the *Permitted List* of websites, or the *Redirection* function, to allow students to access specific sites.
27295	Teacher names in StudentManager are not currently case-sensitive. StudentManager cannot distinguish between two teacher names that are spelled the same but that have different case treatments.
	WA: No current workaround. Names must be unique.
26834	There is confusion about the difference between the Add and Edit functions in StudentManager when customers try to add a new period schedule to an existing school. To add a schedule to an existing school, the customer should use the Edit icon instead of the new (+) icon.
	WA: Add a new period schedule under the *Period Schedule* section.

Addressed Issues

The following issues were addressed in the HiveOS and HiveManager 6.1 releases, and StudentManager 1.1r releases.

Addressed Issues in HiveOS 6.1r1

25376	After upgrading an Aerohive device to HiveOS 6.0r2, the device did not apply policy-based routing commands properly.
25358	Application Visibility and Control did not always detect and report Netflix video streams.

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.
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.

Addressed Issues in StudentManager 1.1r3

25471	When using Student Manger, if you exported the student list and then add a MAC address for each student in the exported file, there was a mismatch in the display resulting in the student's first name appearing in the Grade Level column, the grade level value appearing in the School ID column, and the school ID value appearing in the Description column. This issue has been fixed.