

HiveOS 8.1r1 Release Notes

Release date: August 25, 2017

Release versions: HiveOS 8.1r1

Hardware platforms supported: AP122, AP130, AP150W, AP230, AP245X AP250, and AP550.

Management platforms supported: HiveManager 8.1r1 and later, and HiveManager NG 11.25 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

- Updated Linux kernel and subsystems for performance, security, and maintainability improvements
- Stage one of a multi-stage update to SYSLOG support to give customers more granular and flexible control over what messages are emitted and to what destinations
- Increased the maximum length of fully-qualified domain names (FQDNs) from 32 to 64 characters
- Added sFlow support to AP1130
- Added support for standards-based GRE tunnels to third-party concentrators.

New Hardware

This release adds support for the AP150W, an Enterprise-grade cloud-managed wall plate access point with 802.11ac wave 2 performance, wired connectivity and IOT future-proofing.

Change in Behavior

With this release the previously existing syslog facilities "user, auth, security, authpriv" have been removed. After upgrading access points to HiveOS 8.1r1, any syslog command referencing the old facilities will be changed to use facility local6. There are 11 new syslog groups, and by default they all map to facility local6:

```
AH-004000#show logging group facility
Group Facility
-----
wifi local6
vpn local6
qos local6
aaa local6
security local6
devmgmt local6
system local6
switching local6
routing local6
application local6
misc local6
```

Known and Addressed Issues in HiveOS 8.1r1

The following tables list known and addressed issues in HiveOS 8.1r1.

Known Issues in HiveOS 8.1r1

The following are known issues in HiveOS 8.1r1.

HOS-11615	An admin cannot add a new NAS (network access server) list unless the local RADIUS server is first disabled and then re-enabled.
HOS-11450	When tunneling wired guest traffic to a DMZ on a AP150W, the clients do not receive the appropriate IP address and tunneling is not successful. Workaround: Have clients connect to the wireless interfaces for tunneling guest traffic.
HOS-11248	For the AP150W, the rate limiting settings for Eth2 and Eth3 do not appear after running a <code>show running config</code> command.
HOS-11138	Enabling Bonjour Gateway on an AP150W or AP122 can cause those devices to report excessively high CPU loads. Workaround: Because Bonjour Gateway is a legacy feature than is generally unnecessary, you can either disable Bonjour Gateway, or relocate Bonjour Gateways to a higher-powered access point such as an AP550.
HOS-11087	On AP150W, if Client Monitor is performed against multiple clients concurrently, the access point occasionally loses the CAPWAP connection to HiveManager.
HOS-11004	Remote Packet Capture on the AP150W can only capture traffic from wireless interfaces.

Addressed Issues in HiveOS 8.1r1

The following issues were addressed in HiveOS 8.1r1.

CFD-2642	When CAPWAP proxy was enabled on an AP250, a complete update failed.
CFD-2621	EAP failure caused unsuccessful client association attempts to an SSID.
CFD-2606	(AP250 only). Coverage area for the WiFi0 interface was too great even though the TX power was set to 1.
CFD-2527	Connection time limits for user profiles with IDM-based PPSKs were not being enforced.
CFD-2396	HiveOS created QoS entries for stations that were not associated with an APs radios, which caused 100% CPU usage in larger deployments.