Version 6.2.0 introduced the following:
Release Month-Year: May 2018

1. Fix implemented for AuthHostManager occasionally failing to process further records until restarted.

2. Removed debug pre tags that were showing up in sticky ip and exclude ip reports.

3. Removed legacy /auth_dhcp/ folder from web and replaced with a symlink to the new (post 5.x.x) location of /wai/ for the web administration interface.

4. Fixed a problem where Auth DHCP Actions -> Device Import did not properly add devices to the DHCP server during the import process. This problem left devices authenticated as far as the GUI showed, but unauthenticated in the eyes of the DHCP server.

5. Fixed a problem where certain devices would appear to have a lease of 0 length in DHCPv6. These leases will now show the correct length and sessions will appear for them.

6. Corrected amounts shown for '# of subnets' and '% of subnets used' for prefix delegation when a prefix is disabled in 'DHCPv6 (IPv6) -> View Address Usage'.

7. Repaired a problem where authenticated static subnets were no longer setting 12 hour lease lengths. This was inconsistent with the behavior throughout the rest of the system (example: dynamic subnets with sticky ip entries would be 12 hours). That being the case, this bug has been corrected. We think we see how we could allow custom lease lengths on sticky IPs in static subnets due to the discovery of this bug. We will explore this in a future release.

8. Added further information for obtaining support under Main -> Request Assistance.

9. Added support for DHCPv6 Option 79 from RFC 6939 such that the mac address of the DHCPv6 client is recorded with their session if option 79 is present.

10. The DHCPatriot now gathers and stores information (if available) about DHCPv6 clients during the lease process such as DUID, Identifier (Username), MAC address, Circuit ID (option 18), and Remote ID (option 37) for use later throughout the GUI.

11. It is now possible to assign static DHCPv6 addresses and delegated prefix to clients based on various match criteria.

12. A problem was discovered where anytime a full subnet was called for in the GUI (example: 2001:DB8:0::/48) the first half (the prefix) was not tested for validity (something like this 2001:DB8:0:0/48 would be accepted). This problem has been corrected and only valid subnets will be accepted.

13. A problem was fixed that was causing crashes in the recording mechanism of DHCPv6 sessions. ISC DHCP updated to 4.3.6.

14. A bug, introduced in 6.0.0, that caused it to be impossible to upload files larger than 2MB via DHCP Actions -> TFTP File Maintenance has been repaired. The max file size is now 254MB.

15. Repaired a bug that caused some DHCPv6 sessions to not be recorded properly or end early.

16. Fixed a problem where sometimes a mac address could end up queued for the backend process of adding authenticated devices to the DHCP server in a capitalized state. This caused some mismatches with previously queued items for the mac address. The mac addresses are now forced lower case.

17. DHCPv6 Authentication: Added a checkbox to DHCPv6 Shared Network to enable required authentication on that shared network.

18. DHCPv6 Authentication: Added an area to add a Pre Auth Subnet for use when a device has not yet been authenticated. This is similar to DHCPv4 authentication in that this subnet should be policy routed to the DHCPatriot system where it will show the captive portal page to the user so that the device may be authenticated.

19. DHCPv6 Authentication: Added an area to add a Pre Auth Prefix Delegation for use when a device has not yet been authenticated. This is similar to DHCPv4 authentication in that this subnet should be policy routed to the DHCPatriot system where it will show the captive portal page to the user so that the device may be authenticated.

20. DHCPv6 Authentication: Caused the Captive Portal page to appear on port 80 when the source is a DHCPv6 Pre Auth Subnet or Prefix Delegation.

21. DHCPv6 Authentication: It is now possible to add IPv6 server ip addresses under Auth DHCP Config -> Authentication

22. DHCPv6 Authentication: It is now possible to authenticate at the captive portal when receiving a DHCPv6 pre-auth address or prefix delegation. This works much like the IPv4 counterpart where a subsequent reboot will move the device to a post-auth subnet.

23. DHCPv6 Authentication: Pre Auth Subnet and Pre Auth Prefix Delegation now show up in the list under DHCPv6 (IPv6) -> View Address Usage

24. The RADIUS communication subsystem on the DHCPatriot system has been replaced with one that supports IPv6 communication and IPv6 specific attributes. The previous subsystem did not support anything beyond IPv4.

25. DHCPv6 Authentication: DHCPv6 authenticated sessions now generate RADIUS auth / start / stop packets in the same manner as DHCPv4 authenticated sessions.

26. DHCPv6 Authentication: Username is now shown with DHCPv6 authenticated sessions.

27. DHCPv6 Authentication: During the process of displaying the login page for either DHCPv4 or DHCPv6, the opposite type of DHCP will be checked for an already completed authentication of the same device. If one is found, then a background authentication for the current device and DHCP type will be performed. If that is successful, the thank you page will be shown as if the user had authenticated himself.

28. Repaired a problem where some extraneous debug was being printed to serial/video console that had been accidentally left on in 6.1.1.

29. Removed NetEnforcer support from the DHCPatriot system as it was legacy and no customer was using this method of interaction with the NetEnforcer any longer.

30. Repaired a problem where option 18 and 37 for DHCPv6 were being incorrectly recorded for all open sessions instead of just the correct session. The result of this was that all open sessions had the same option 18 and 37 information. As part of this fix, all current option 18 and 37 storage for DHCPv6 is being removed when 6.2.0 is installed as no data is better than bad data.

31. DHCPv6 Authentication: Suspend Auth Device has been added under the DHCPv6 (IPv6) menu. This allows the suspension and un-suspension of user devices in conjunction with authenticated DHCPv6.

32. DHCPv6 Authentication: View Authenticated Users has been implemented. This report is very similar to it's DHCPv4 counterpart.

33. DHCPv6 Authentication: During the display of the web page, a side web load to the opposite type of IP address (IPv6 if authenticating IPv4 and vice versa) is performed. This allows a mac address to be collected for IPv6 in the case of no Option 79 providing the mac address. This should prevent users from needing to authenticate twice (once for each IPv4 and IPv6).

34. Another potential fix for reboot problems with the 2016-1 models has been implemented. The last one (from 6.1.1) did not work in all cases.

35. Most console/boot messages will now appear in both video and serial console. A problem was repaired where adding a remote syslog IP caused DHCPv6 sessions to stop recording.

36. A problem where the check for a gateway being inside of an address pool not working correctly in the case of a subnet larger than /24 has been corrected. Previously, a subnet such as 1.1.0.0/16 with a range of 1.1.2.0 - 1.1.3.255 would not allow a gateway of 1.1.255.254 as it saw the 254 as being between 0 and 255 but did not take into account that the address as a whole was not inside the range.