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Posted 13 days ago

UniFi Network Controller 5.11.39

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Important notes
Release stage: Stable

Note: If you have any 'service dns forwarding options' configuration defined in config.gateway.json, it will overwrite the provisioning of statically defined name servers, leaving you with no DNS. Either remove the 'service dns forwarding options' portion of config.gateway.json, or add additional 'options' lines defining name servers, such as 'server=1.1.1.1', 'server=8.8.8.8', etc.

Features

• Add 802.1X multi-host option.

• Add ARP cache timeout configuration (under advanced in gateway property panel).

• Add Device Fingerprint customization.

• Add DHCP Snooping toggle under site settings.

• Add high DNS latency anomaly.

• Add info about GeoIP and IPS to System Config page.

• Add Japanese language.

• Add LED and LCM brightness and sync control settings for compatible UniFi Switch devices.

• Add new setup wizard.

• Add option to define power source for USW-Flex.

• Add per-device LED LCM override settings for compatible UniFi Switch devices.

• Add per-port STP toggle with port profile support.

• Add site-to-site data to VPN widget.

• Add split SSID function (Combine Name/SSID).

• Add start and stop range for IPv6 PD.

Improvements

• Add dark background for config changed notification.

• Add description to DPI blocking rules associated with WLANs.

• Add experience graphs to property panels.

• Add experience panel headers.

• Add IPS ToS link.

- Add missing translation key for SSH password to setup wizard.

- Add space for active users column.

- Add speedtest provider name and server location to speedtest dialog.

- Add status text to a busy device in the device grid.

- Add subnet for IPv6 networks in Networks Table.

- Add Switch Experience and merge with WiFi Experience.

- Add syslog to remote logging option.

- Add WiFi Experience graph to all APs.

- Add 'unifi' FQDN CNAMEs for every local network's domain_name.

- Add wrapping to forget device form.

- Adjust timezone in IPS threat details.

- Allow automatic upgrades to run with non-cached firmware (between 01:00-03:59 local time only).

- Allow browser to determine dark mode.

- Allow only "guest" and "corporate" networks in DPI restriction assignment.

- Allow shift click to select multiple devices and clients.

- Allow SSH username to contain uppercase characters or be an email address.

- Auto open the property panel when a batch item is selected.

- Blinking tooltip in Insights/Switch Stats.

- Change Map default to topology view.

- Clarify the warning for the clients historical data.

- Cleanup statistics preferred timezone.

- Display voucher notes on the Guests list.

- Do not show upgrade button for devices with Managed by Other status.

- DNS improvements for USG.

- Filter all WiFi Metrics widgets by selected APs.

- Hide the sticky dashboard modules on small resolutions.

- Hotspot payment package visual improvements.

- Improve handling of no PoE ports in Port Usage widget.

- Improve performance of plots on dashboard.

- Improve site switcher.

- Increase space between ARP cache timeout and options.

- IPS Dashboard dark mode and other improvements.

- Loosen validation for guest portal redirect URL.

- Make encrypted cookie optional for the built-in Guest Portal.

- Make time range filter using presets correctly.

- Mark retry rate with low packet count as green on AP Statistics chart.

Tags

Stable

UniFi   UniFi Routing & Switching

UniFi Wireless

Version history

↑ 10   5.11.38 RC   Official
19 days ago

↑ 3   5.10.27 Stable   Official
23 days ago

↑ 5   5.10.26 Stable   Official
a month ago

↑ 14   5.10.25 Stable   Official
2 months ago

- Only enable High Performance Devices when SSID is enabled on 2.4GHz and 5GHz radios (also part of Auto-Optimize Network).

- Parameterize top 10 devices returned by stats endpoint.

- Performance improvements.

- Preserve time range in various places.

- Prevent Auto-Optimize Network from enabling High Performance Devices on APs that are 2.4GHz only.

- Prevent disappearing graphs on granularity change in Stats/Overview.

- Prevent empty ESSID in new wireless network.

- Prevent reflow on AP Retry Rate scatterplot when tooltip is shown.

- Prevent unnecessary network form divergence alert.

- Refresh DPI data on DPI drill down back action.

- Remove beta tag from "Allow meshing to another access point" at property panel.

- Remove default map and show upload floorplan button instead.

- Remove release notes from UI.

- Remove remote syslog IP requirement when logging to controller.

- Restore missing user count plot in AP Property Panel/stats.

- Restore radio type satisfaction plot in Stats/Performance view.

- Separate multiple radios in WiFi satisfaction tooltip.

- Set default at UPnP form.

- Set no-dns in the DHCPv6-PD node where static DNS servers are defined.

- Shift time series graphs.

- Show action buttons for writable role on guest list.

- Show AP/port based on wired/wireless filter.

- Show correct number of clients at dashboard.

- Show message when speed caps are not met.

- Show only APs in poor Wi-Fi element list in Dashboard status tooltip.

- Show remote port number for USW uplink on device page.

- Show subnet in subnet column, instead of gateway IP.

- Show user avatar if available.

- Show Wi-Fi experience in the client property panel to read-only users.

- Show Wi-Fi name on confirmation screen in wizard.

- Support dark mode in topology.

- Tweak IPv6 CIDR validation.

- Update experience value dynamically on topology nodes.

- Update remove Cloud Access confirmation message.

- Update virtual devices list.

- Use the same size for USW and USG port icons.

- USG ARP cache provisioning improvements

Bugfixes

- Fix active wireless users filter group counters.

- Fix adopt and upgrade process for USG devices on old firmware.

- Fix and improve Device Fingerprint feature.

- Fix and update Device Fingerprint feature.

- Fix AP Statistics tool-tip on dashboard so it refreshes correctly.

- Fix applying Site settings to mitigate unnecessary device provisioning.

- Fix Auto-VPN status in VPN dashboard widget.

- Fix broken DPI details for user.

- Fix broken change password modal.

- Fix case when confirm modal reacts to previously entered Enter key as confirmation.

- Fix checkboxes & radio buttons in Firefox.

- Fix color on empty Client Frequency Distribution module graph.

- Fix confirm modal reacts to previously entered Enter key as confirmation.

- Fix console error in Topology view when no client ESSID is available.

- Fix date range selector.

- Fix device vendor on client list.

- Fix displayed WiFi packet counts.

- Fix DPI chart legend alignment.

- Fix DNS domain name validation so that it's case-insensitive.

- Fix empty tooltips in Client Statistics graphs.

- Fix empty tooltip when password strength is good or great.

- Fix error messages in console.

- Fix error when trying to run scan via Auto Channels on Map.

- Fix exception in client radio filter.

- Fix incorrect default log level for controller when in default state or system.properties is empty.

- Fix incorrect device properties client list counters.

- Fix incorrect font colors in new RADIUS profile modal.

- Fix incorrect label attributes in hotspot payments HTML.

- Fix incorrect number of clients on client list in device property panel.

- Fix incorrect value range in client WiFi TX attempts graph.

- Fix incorrectly rendered symbols in toasts.

- Fix IPv6 encapsulation sizing.

- Fix issue preventing the scatter graph from working correctly on first load.

- Fix issue that could prevent database migration from succeeding when upgrading from a previous version.

- Fix layout issue in property panel for devices without a temperature sensor.

- Fix LCM provisioning when settings changed.

- Fix missing device ID parameter.

- Fix missing disconnected device name in general satisfaction tooltip.

- Fix missing icons for floorplan virtual devices.

- Fix NPE for Download device info.

- Fix NPE when adding custom DHCP options to new network.

- Fix odd line breaks in general satisfaction tool-tip and some toast messages.

- Fix overlapping elements in Edit group restrictions layout.

- Fix pagination of backup list.

- Fix Password show (eye icon) overlaps long passwords.

- Fix provisioning for multiple guest networks with portal in a WLAN group.

- Fix retry rate graph on the dashboard.

- Fix signal sorting at clients list, when RSSI is equal then sort by a signal.

- Fix Site Migration modal.

- Fix sorting Client list by device type.

- Fix sorting by IP in Past Connections list.

- Fix switch port customization bug caused by missing migration in earlier releases.

- Fix switch statistics - refresh data correctly when changing device.

- Fix timeout issue when provisioning 200+ VLANs.

- Fix traffic counting on WAN ports.

- Fix traffic stats header wrapping in Firefox.

- Fix various bugs with guest portal pre-authorization.

- Fix USG port form button wrapping.

- Fix USG port validation so that both WAN and LAN always exist.

- Fix WeChat Hotspot Authentication.

- Fix wired experience undefined uplink issue.

- Fix wireless uplink isolated state misjudgment.

- Further fixes for wireless uplink isolated state misjudgment.

- Increase allowance for upgrade time on nanoHD/IW-HD to fix false disconnect events.

- Restore fixed IP value in the Client History list.

Instructions

(Recommended) - Create an up-to-date backup before upgrading your controller in the event any issues are encountered.

Existing UniFi controllers **must** be on one of the following versions in order to upgrade directly to this version:

- 5.11.38 and earlier 5.11.x versions.

- 5.10.27 and earlier 5.10.x versions.

- 5.9.33 and earlier 5.9.x versions.

- 5.8.30 and earlier 5.8.x versions.

- 5.7.28 and earlier 5.7.x versions.

- 5.6.42 and earlier 5.6.x versions.

- Most earlier versions are also supported for direct upgrade, going back to 3.1.0.

- Java 8 must be installed on the system hosting the controller software. Java 9 and later are not yet supported.

- As of UniFi 5.9, if using Cloud access, the UniFi Network controller device requires outbound 8883/tcp to be open/unrestricted. Find up-to-date port requirements here.

- Minimum supported device firmware for UAP/USW is 4.0.9, and for USG it's 4.4.34.

- SSH Authentication settings are now hidden behind the Advanced Features option.

Microsoft Windows specific:

- Users running 64-bit Windows should only have 64-bit Java installed. If you have 32-bit Java installed then we recommend uninstalling it.

Debian/Ubuntu specific:

- For Debian/Ubuntu users installing via our repo, please update your APT source (see HERE).

- Currently we only support MongoDB 3.4. We're working on updating support before end of life this fall. We have instructions for Ubuntu users in our HC article HERE (see section 2.2).

Checksums:

```
md5sums--
a4a9dc9cbbdf234a8e67988f4aa3f4c9 *UniFi-installer.exe
a2749c249333b25c28931b9a91dc90e4 *UniFi.pkg
0da5e8f3ea6d47a38d157dd55e49aacf *UniFi.unix.zip
276c660cd7656e457aba9917b6eb3de2 *unifi_sysvinit_all.deb
601df32736f41e40a80a3e472450a3e1 *unifi_sh_api
-----
sha256sums--
SHA256(UniFi-installer.exe)= 77617c29537496fc1f07f79176358e3d72378bc32aba6126e9b08b80ec
SHA256(UniFi.pkg)= aa72791cd51bbfd429ab77cbb80f723070015ab239ef13f73087eddc136bc9159
SHA256(UniFi.unix.zip)= 3b75b635b7b0d77caeb347caf78b043dd2e4d94de9efc59dfb05c66ddbc23d5
SHA256(unifi_sysvinit_all.deb)= d2736dababcf96596a2c9ad82ee2fcbd02ee4d3a864284175b43f5a
SHA256(unifi_sh_api)= 1791685039ea795970bcc7a61eec854058e3e6fc13c52770e31e20f3beb622eb
```

Download links

UniFi Controller for Windows
UniFi Controller for macOS
UniFi Controller for Debian/Ubuntu and UniFi Cloud Key
unifi_sh_api (shell library)

Comments (154)

Sort by   Newest   Oldest   Page   1   2   3   4   ...   8

11 days ago

The update went fine from version 5.10.27 to 5.11.39.

Lisciu
11 days ago

Any chance to get built in GUI config.gateway.json editor??

I created a year ago such feature request but it seems like all of them are gone...

---

chaicka
11 days ago

> @Lisciu wrote:
> Any chance to get built in GUI config.gateway.json editor??
> I created a year ago such feature request but it seems like all of them are gone...

Chances isn't high. ObiOS (the next OS) does not support config.gateway.json approach. IMHO, I think it's just a matter of time everything about UniFi Network will steer towards that direction.

Lisciu
11 days ago

> @chaicka wrote:
> Chances isn't high. ObiOS (the next OS) does not support config.gateway.json approach. IMHO, I think it's just a matter of time everything about UniFi Network will steer towards that direction.

But I hope that it will be some other way to customise settings? I don't think, that all of sudden, ALL options will become available in GUI...

T   **tjopsta**
10 days ago

Any idea when this build will hit stable? (7 days after RC?)

---

ghostinthenet
10 days ago

> @chaicka wrote:
> Chances isn't high. ObiOS (the next OS) does not support config.gateway.json approach. IMHO, I think it's just a matter of time everything about UniFi Network will steer towards that direction.

This is where a little bit of hinting from the UI team about the roadmap would be good. UbiOS on the UDM as it stands is a great home or small office solution and has much better performance than prior USGs, but suggesting that everyone downgrade from the USG's full security gateway functionality (routing protocols and full IPSec VPN capability, &c) to what is essentially a Linux box with IPTables is a big pill to swallow. If the USG functionality is being considered as a container application for the UDM, that would be a cool angle, but who knows where things are going there?

---

bodean
10 days ago

where is radioAI?

UI-MikeD
10 days ago

This release has been promoted to stable. The full changelog will be merged from 5.11.38 as this is the first stable release for 5.11. It will be published to the download site now and we will push it out to the repos in the near future. I'll follow up at that time.

Cheers,

Mike

TyShawn
10 days ago

> *@UI-MikeD wrote:*
> *This release has been promoted to stable. The full changelog will be merged from 5.11.38 as this is the first stable release for 5.11. It will be published to the download site now and we will push it out to the repos in the near future. I'll follow up at that time.*
> *Cheers,*
> *Mike*

@UI-MikeD ,

Do we know if a .40 will be released to address the disabled devices showing up as disconnected?

M   Maarten71
10 days ago

@UI-MikeD suggestion to start new topic when publishing stable releases.

In order to keep track of feedback on stable releases, I would suggest to create a new topic when a version is elevated to the stable status. My assumption is that previous (RC) feedback was taken into consideration (addressed or exceptions via release notes) and therefore less relevant for a stable version. Otherwise multiple, RC and stable, feedback pages could create the impression that there is a lot of (negative?) feedback on the stable version, since the headers is depicting stable and the topic is still including earlier comments, leading to less trust in the stable version. Or you have to scroll through all pages to find the change.

For consideration.

G   gf1967
10 days ago

Unfortunately, this new version deliberately criticizes disabled access points and therefore classifies the network worse.

Network: Fair

Your Setup Needs Attention

Status reasons: 3 devices not connected

This was not the case in the older versions. Is there an error here?

---

poorman
10 days ago

> *@UI-MikeD wrote:*

This release has been promoted to stable. The full changelog will be merged from 5.11.38 as this is the first stable release for 5.11. It will be published to the download site now and we will push it out to the repos in the near future. I'll follow up at that time.
Cheers,
Mike

Feedback in these forums is almost always about issues. I'd like to step back for a moment and congratulate the entire development team for reaching this milestone and thank them for their efforts.

-- Pete

L   **leonardogyn**
     10 days ago

@greysignal wrote:
Where is the DIY version??

on the same place ... DIY link was removed from the "stable" releases for a long time. Just get any release URL and replace the filename for UniFi.unix.zip and you're ready to go :)

```
[root@ui dl]# wget https://dl.ui.com/unifi/5.11.39/UniFi.unix.zip
--2019-08-22 16:27:10--  https://dl.ui.com/unifi/5.11.39/UniFi.unix.zip
Resolving dl.ui.com (dl.ui.com)... 13.226.32.95
[ .... ]
2019-08-22 16:27:14 (24.0 MB/s) - 'UniFi.unix.zip' saved [112221641/112221641]

sha256sum confirms i have download the release file published ..

[root@ui dl]# sha256sum UniFi.unix.zip
3b75b635b7b0d77caeb347caf78b043dd2e4d94de9efc59dfb05c66ddbc23d57  UniFi.unix.zip
```

---

ghostinthenet
10 days ago

@poorman wrote:
Feedback in these forums is almost always about issues. I'd like to step back for a moment and congratulate the entire development team for reaching this milestone and thank them for their efforts.
-- Pete

I'll second that. The 5.11 controller, barring a few quirks, is a pretty nice piece of work. Thanks, guys!

J   **joshmadrone**
     10 days ago

Upgraded 1 site from 5.10.26. Upgrade was smooth (downloaded a backup then upgraded via ssh), except for USG3P now stuck in provisioning loop.

Thought it might be my `config.gateway.json` so moved that and forced re-provision... didn't help and USG is still stuck in a loop. Internet access maintained the whole time.

---

waterside
10 days ago

@greysignal wrote:
Where is the DIY version??

These are included only in the "Beta" section and not in the "Official" section. If you have beta access then you can find the beta thread in the 'version history' box on the right side of the page.

---

waterside
10 days ago

> *@Maarten71* wrote:
> *@UI-MikeD suggestion to start new topic when publishing stable releases.*
> *In order to keep track of feedback on stable releases, I would suggest to create a new topic when a version is elevated to the stable status. My assumption is that previous (RC) feedback was taken into consideration (addressed or exceptions via release notes) and therefore less relevant for a stable version. Otherwise multiple, RC and stable, feedback pages could create the impression that there is a lot of (negative?) feedback on the stable version, since the headers is depicting stable and the topic is still including earlier comments, leading to less trust in the stable version.*

I don't think I follow.

The release is *identical* for any given numeric version - there are no changes between promotions in status. In other words 5.11.39 RC in 'Beta' is the identical same as 5.11.39 RC in 'Official', which is also the identical same as 5.11.39 Stable. The feedback for any of these is equally relevant since they are indeed all identical releases.

---

bodean
10 days ago

> *@miles267* wrote:
> *Good question. Been wondering the same. Radio AI needed work.*

Where is Radio AI in this release? Cant find it, and no body seems to answer the question.

303Bryan
10 days ago

Smooth upgraded from 5.10.26 here. Looks great!

Geust
10 days ago

With reference to the note in the op "....*any 'service dns forwarding options' configuration defined in config.gateway.json,.....",* what would be the correct syntax to define a name server in the config.gateway.json? I'm using a variety of DNS forwarding options in my config.gateway.json and require the functions they provide.

Would this:

```
{
    "service": {
        "dns": {
            "forwarding": {
                "options": [
                    "host-record=subdomain.domain.com,10.0.0.16",
                    "host-record=subdomain2.domain.com,10.0.0.17"
                ]
            }
        }
    }
}
```

Become this?

```
{
    "service": {
        "dns": {
            "forwarding": {
                "options": [
                    "host-record=subdomain.domain.com,10.0.0.16",
                    "host-record=subdomain2.domain.com,10.0.0.17",
                    "server=1.1.1.1",                          <!-- name server 1
                    "server=8.8.8.8",                          <!-- name server 2
                    "server=10.0.0.254"                        <!-- name server 3
                ]
            }
        }
    }
}
```

Are the DNS server's being defined in the config.gateway.json those set for each network (/manage/site/default/settings/networks/edit/)? If yes, what is the syntax to set different DNS servers for individual networks?

Thanks!

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Comment

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