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FortiNAC - Release Notes

Version 9.4.1

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FEEDBACK

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FortiNAC 9.4.1 Release Notes

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TABLE OF CONTENTS

Change log	4
Overview of Version 9.4.1	5
Notes	5
Supplemental Documentation	5
Version Information	5
Compatibility	7
Agents	7
Web Browsers for the Administration UI	7
Operating Systems Supported Without an Agent	7
What's new	8
New features in 9.4.1	8
New features in 9.4.0	8
Enhancements and Addressed Issues	10
Version 9.4.1	10
Version 9.4.0	15
Known Issues Version 9.4.1	24
Device Support Considerations	38
Device Support	40
Version 9.4.1	40
Version 9.4.0	41
System Update Settings	43
Numbering Conventions	44

Change log

Date	Change Description
8-19-2022	Initial release.
9-2-2022	Removed Known Issues: 710416, 677628, 675180, 646580, 610581, 609976, 609046, 522468, 812930, 814631, 828242
9-2-2022	<p>Removed and moving to Administration Guide:</p> <ul style="list-style-type: none"> Removing a device from the L2 Wired Devices or L2 Wireless Devices Group does not disable L2 (Hosts) Polling under the Polling tab in Topology. The "Set all hosts 'Risk State' to 'Safe'" button changes the status of all hosts marked At-Risk to Safe. However, the status of the individual scans for each host remain unchanged. System > Settings > Updates > Operating System will only record and display dates of OS updates that are completed through the Administrative UI. If Operating System updates are run via command line using the "yum" tool, the update is not recorded. Resolution: Execute Operating System Updates through the Administrative UI in order to maintain update history.
9-2-2022	Added Known Issues: 695435, 830581, 830932, 832313, 833302, 833305, 834461, 835143, 835149, 835405, 836137, 836146, 836435, 836606, 837938
9-2-2022	Removed Device Consideration: At this time, integration with Ubiquiti AirOS AP is not supported. Ubiquiti AirOS AP does not have the necessary capabilities to allow for full integration with FortiNAC. The limitations are as follows: - No support for external MAC Authentication using RADIUS. - Limited CLI and SNMP capability. No ability to dynamically modify access parameters (ie. VLANs) for active sessions.
10-3-2022	<p>Added Known Issues: 845163, 845003, 845000, 842370, 842280, 842112, 841907, 840796, 838525, 835782, 833735, 833327</p> <p>Added Device Support Considerations: 845035, 843509, 842181, 836831</p>
10-18-2022	<p>Changed Known Issue: 842112 to 842122.</p> <p>Added Known Issues: 699106, 834094/834089/845493/845505, 845412, 845930, 845935, 848274, 849140, 849497</p> <p>Added Device Support Considerations: 829009, 846782</p>
10-31-2022	Changes to System Update Settings

Overview of Version 9.4.1

FortiNAC v9.4.1 is the latest release being made available to customers to provide functionality and address some known issues. Build number 0739.

Notes

- Starting from 9.1.0, FortiNAC uses a new GUI format. FortiNAC cannot go backwards to a previous version. Snapshots should always be taken on virtual appliances prior to upgrade.
- Prior to upgrading, review the FortiNAC Known Anomalies posted in the [Fortinet Document Library](#).
- If using agents or configured for High Availability, additional steps may be required after upgrade for proper functionality. See [Upgrade Instructions and Considerations](#) posted in the Fortinet Document Library.
- CentOS 7.4 or higher is required. The current CentOS version installed is listed as "Distribution" in the CLI login banner or typing "sysinfo".

Example:

```
> sysinfo
*****
```

```
Recognized platform: Linux
```

```
Distribution: CentOS Linux release 7.6.1810 (Core)
```

If the CentOS version is below 7.4, run OS updates and reboot before upgrading. For instructions on updating CentOS, refer to the Fortinet Document Library.

- For upgrade procedure, see [Upgrade Instructions and Considerations](#) posted in the Fortinet Document Library.

Supplemental Documentation

The following can be found in the [Fortinet Document Library](#).

- FortiNAC Release Matrix

Version Information

These Release Notes contain additional Enhancements, Device Support, and features. Unique numbering is used for the various components of the product. The software version and Agent version supplied with this release are listed below.

Version: 9.4.1

Agent Version: 9.4.0

A newer Persistent Agent may be required to support certain antivirus and anti-spyware products. Refer to the Agent Release Notes in the [Fortinet Document Library](#).

Firmware version represents a collection of system services and operating system features imaged on to the appliance before it leaves manufacturing. The firmware image cannot be updated by a Fortinet customer. Services within the image are updated by Fortinet or a certified Fortinet Partner in appliance maintenance packages released as new more robust and secure versions of services become available.

Note: Upgrading software versions does not change firmware nor does it automatically require an upgrade to the Persistent Agent. Newer Persistent Agents are not compatible with older software versions unless that capability is specifically highlighted in the corresponding release notes.

Compatibility

FortiNAC Product releases are not backwards compatible. It is not possible to go from a newer release to any older release.

Example: 9.4.0.0171 cannot be downgraded to any other release.

To backup the current system prior to upgrade on virtual machines, perform a snapshot. For physical appliances refer to the document [Back Up and Restore an Image of a FortiNAC Appliance](#).

Agents

Minimum supported FortiNAC Agent Package release: 5.x

Supported FortiNAC Agent communication port: TCP 4568

Web Browsers for the Administration UI

Many of the views in FortiNAC are highly dependent on JavaScript. The browser used directly impacts the performance of these views. It is recommended that you choose a browser with enhanced JavaScript processing.

Operating Systems Supported Without an Agent

Android	Apple iOS	Blackberry OS	BlackBerry 10 OS
Chrome OS	Free BSD	Kindle	Kindle Fire
iOS for iPad	iOS for iPhone	iOS for iPod	Linux
Mac OS X	Open BSD	Net BSD	RIM Tablet OS
Solaris	Symian	Web OS	Windows
Windows CE	Windows Phone	Windows RT	

What's new

New features in 9.4.1

There are no new features in FortiNAC v9.4.1.

New features in 9.4.0

New features

User Group Support with FortiAuthenticator RADIUS Integrations (715957, 713515)

Version 9.4.0 has made it easier to use FortiAuthenticator with FortiNAC for RADIUS integrations. Administrators will no longer be forced to change their FortiAuthenticator configuration when connecting to FortiNAC. New enhancements allow FortiNAC to receive user groups from FortiAuthenticator during the RADIUS authentication process.

For details, see "Fortinet-Group-Name" under RADIUS section of the Administration Guide.

<https://docs.fortinet.com/document/fortinac/9.4.0/administration-guide/214558/radius>

SMS Gateway (586499)

FortiNAC has the ability to send SMS messages to administrators, guests or users. Previous versions of FortiNAC only supported the Mail to SMS method; now, FortiNAC adds support for API/HTTPS-based SMS gateway integration. FortiNAC 9.4.0 has built-in integration with cloud-based SMS providers such as Twilio, and LDAP group mapping for sponsors.

In the GUI, see: **Network > Service Connectors > Email/SMS**

See information in the Administration Guide: <https://docs.fortinet.com/document/fortinac/9.4.0/administration-guide/19358/email-sms>

AV agent monitoring (759481)

Previous versions of FortiNAC only checked for Antivirus compliance within the Windows Defender AV product. v9.4.0 adds an option to choose "Security-Center" in the Windows AV category for up-to-date virus definitions, providing compliant protection for those Windows running end points.

Kerberos Support (699487)

v9.4.0 adds Kerberos support for admin and for user authentication on FortiNAC-CA, as well as admin authentication on FNAC-M.

Enhancements

RADIUS Logging and Dashboard (744581, 751403)

Version 9.4.0 has made it easier to authenticate large numbers of users with 802.1x. With concise information on the dashboard to see pass/fails of 802.1x/MAB authentication, v9.4.0 gives at-a-glance insight. Importantly, logs of failed authentications can be exported.

In the GUI, see: **Network > RADIUS > Activity**

For information in the administration guide, see:

<https://docs.fortinet.com/document/fortinac/9.4.0/administration-guide/270902/activity>

Azure Document update (667439)

Updated and enhanced FortiNAC Azure deployment guide. See:

https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/3c52cb13-d573-11e9-8977-00505692583a/FortiNAC-8.6.0-Azure_Deployment_Guide.pdf

Device support

Huawei Wireless LAN Controllers AC 6605, 6005 and 6508 (592592, 566257)

FortiNAC v9.4.0 adds device support for Huawei AC-6005-8 Wireless Controller.

Palo Alto VPN (606729)

Added support for Palo Alto VPN.

Add User Organizational Unit OU LDAP mapping in User/Host Profile (699857)

Added User Organizational Unit "OU" LDAP mapping in User/Host profile. FortiNAC sends OU along with FortiGate Device Tag and User Group via FSSO communication with FortiGate.

UI

New dashboard widgets (615850)

The Recent Hosts widget displays newly discovered hosts by type.

The Top Host Activity widget displays the hosts with the most connection activity over a configurable period of time.

The Logical Network Access widget displays all Hosts that had access to each Logical Network over a configurable period of time.

The RADIUS widget displays success/failure information over specified time frames.

Enhancements and Addressed Issues

These changes have been made in FortiNAC Version 9.4.1. These enhancements are in addition to the enhancements that are outlined in previous releases.

Version 9.4.1

Ticket #	Description
701822	Fully Qualified Host Name info Bubble is misleading.
734571	Clicking import and apply without selecting a file imports the last imported file.
769019	Post install keytool exception in log.
773088	VLAN read failure for Adtran NetVanta 1638.
775679	Hosts are incorrectly enabled after an LDAP sync.
784543	Portal policy permission set is required to send guest email details from Guests and Contractors view. Otherwise, 403 error is thrown.
785791	Fortigate cluster not modeled completely.
786651	MICROSENS G6 Micro-Switch not switching VLANs.
787687	Inventory > Firewall Session Polling defaults to a frequency of 0.
789654	Clients shown offline in Ruckus controller v6.0.
789840	Users & Hosts > Guests & Contractors : The description in the popup window for Send SMS are not correct.
789970	FortiNAC does not send SSO messaging to all slots in FortiGate 6000 & 7000 chassis.
790393	In RADIUS view, able to delete TLS Service Configuration which results in invalid state and browser error.
790864	UI allows a License key with non-matching MAC/UUID to be installed. Installation and configuration tasks consequently fail.
791405	"Request unsuccessful with no errors reported" message opening Model Configuration tab for HPE Walljack.
791751	In some cases, importing hosts with siblings (Adapters that are on the same host) can result in "null" error.
791889	Audit Logs do not report the Adds from a Host Import.
795932	Radius auth fails when primary LDAP directory is down

Ticket #	Description
796965	Inconsistency with device count & results returned from clicked for more details in Network Devices dashboard tile
797009	Registration Requests: Browser Console Error - logicalNetworkPanel is not defined
799401	SNMP MAC-Notification trap support for Dell EMC Networking N3248P-ON.
799439	Notification of failure to import expired hosts is not present
800422	exception when modify endpoint compliance policy
801717	AdminProfileMapping doesnt change the admin profiles of the groups
802114	Juniper EX9253 and qfx5120-48y-8c, Type is "Unknown" and Version is null in the Inventory.
802908	RADIUS default server config not created on first startup
802969	Account Requests view has incorrect or missing sort keys.
803314	ConfigWizard does not correctly update hostname in /etc/hosts.
803382	Audit Log service does not use the Audit Log permissions.
803692	Non-alphanumeric characters in group names do not get created in UI correctly.
804759	In Users & Hosts > User Accounts, clearing a value in the search box and clicking enter results in several empty rows.
804910	Alarms: Inconsistency between "Clear" and "Delete" terminology.
804913	When clicking the count of hosts in the Logical Network Host Access tile, the list of MAC addresses used to query the hosts is not clearing.
805426	Null pointer exception in dynamic connection host API call.
805799	NullPointerException in output.master when there is no default gateway.
806106	Juniper Change of Authorization (CoA) Fails.
806616	RADIUS Change of Auth (COA) does not complete when hosts are deleted. Consequently, VLAN switching does not occur and host is not isolated.
806666	Duplicate label in both overlays within the Network Events view.
806936	Importing Mist APs with CLI import tool does not add the AP models to the L2 Wireless nor Device Interface Status groups.
807311	After NAC services restart: MAB RADIUS session times out due to FortiNAC being busy in SSH communication with the switch.
807396	Logical Network Host Access dashboard tile not displaying accurate counts.

Ticket #	Description
807689	For endpoints managed in SSO integrations, FortiNAC no longer performs L3 polls for Rogue hosts. They are not necessary.
808084	Send SMS in Guestserver is using user record to send the sms when it should be using the guest record.
809462	Several NullPointerExceptions in output.master when polling FortiSwitch.
809492	Exception in OVA deploy of 9.4.0.0717: FileNotFoundException (ScanPolicyList).
809493	Exception in OVA deploy of 9.4.0.0717: CertMgmtException.
809538	High Availability Database synchronization failure.
809857	Network > Service connectors > REST SMS gateway : password is set to null after upgrade.
810167	iOS fingerprints misclassified as macOS.
810197	Local RADIUS panel does not prevent the configuration of an authentication port already in use by Proxy RADIUS.
810209	SSIDs are not complete in UI for Aruba controller VIP.
811447	Upgrade failed due to: Operation CREATE USER failed for nac@localhost.
811479	High Availability: RADIUS service can start/run on primary when secondary is in control.
811775	Performance improvements with client lookups.
812169	Virtual Winbind service management queries periodically fail.
812581	Duplicate user ID exceptions during RADIUS auth when userID does not match the name in an email address.
812674	RADIUS Change of Auth (CoA) is not being sent to Huawei wireless after host has registered. Prevents changing VLANs.
812908	/var/log/messages is not rotating, generating large files and high disk usage.
812930	SSO tags not being sent in 9.4.0 without group option being set.
812933	L2 poll not working for HP NJ5000-5G-PoE+ Walljack.
813564	FortiNAC fails to find API port from FortiSwitch.
813654	Added support for FortiSwitch MAC Notification traps.
813681	Missing resource exception: SSOManager in output.master.
814082	Average Requests/Min value in RADIUS dashboard now shows a fractional value when the requests/minutes value is < 1. Previously, values < 1 displayed as 0.
814493	Restarting admin GUI may result in loss of access to GUI until server restarted.

Ticket #	Description
814631	Ports not properly configured using Aruba CLI scripts.FortiNAC reads Port ID for the port variable instead of port number.
815352	Logical network configuration mappings can return the wrong value when host is connected via more than one interface.
815732	Obsolete RADIUS support message has been removed from generic SNMP device Model Configuration view.
816028	RADIUS Activity view is presenting access-accept value when no activities is recorded per snapshot.
816031	FSSO tag information is not sent to FortiGate.
816407	FortiGate L3 polling doesn't update the client IP.
816451	Importing DHCP Scopes - Wizard shows blank scope data.
816799	Fix TaskFilterSpecification startId and maxRows.
816828	Polling of entitlements for subscription licenses fail.
816871	System Update settings do not update on the Secondary Server in High Availability environments.
816877	Host icon does not match the icon assigned by Device Profiling Rule
817022	Hosts View - Rogue record Host Name is not updated from DHCP.
817473	FortiNAC is installing two versions of the ecj jar file.
817563	In certain cases, the Network Events view does not load and Network tab displays HTTP errors.
817767	CLI failure on Alaxala switch with enable password bypass configured.
817845	L2 Polling queue backed up, excessive polling completion times.
819384	Added DHCP fingerprint for Fortinet IP Phone.
819470	Fingerprints that can match Windows 2012 do not indicate Windows 2012.
819753	FSSO Tag assignment is not triggered before the next L3 poll.
820375	Meraki (and possibly other) devices incorreccted managed with Generic Radius plugin.Symptoms include the Change of Auth (CoA) packet being sent over the wrong port.
820569	Policy - User Permissions: No Group Access causes Who/What Groups and Where Locations Select Entries panels to hang.
821244	Device Profiler failing to match Fortiguard method when Fortiguard polling returns confidence values over 127.
821399	FortiGuard IoT Scan doesn't work as expected.
821473	RADIUS Activity Dashboard- Show Rejected Hosts View - Changed EAP/Outer EAP type columns to EAP/Inner EAP for consistency.

Ticket #	Description
821527	RADIUS does not start after upgrade from 9.4.0.0717 GA to 10.0.0.0013.
821656	Help tips added in the Settings panel for the RADIUS Widget in dashboard.
823908	Aruba switch device failed to connect using valid CLI credentials.
823955	Wireless clients connected to FortiAP show up in FNAC on wrong interface.
825436	IP addresses appended to network device names during discovery are truncated. This can result in duplicate device and port names.
825467	WinRM Device Profiling Method doesnt handle multiple credentials properly.
825766	Adapters View - Status tooltip clips if it contains more than 2 rows of data.
825770	DOC API - FortiNAC_REST_Schema_9.2.pdf - "deviceId" required for - policy/logical-network-configuration/element/properties.
825920	Ruckus SZ Controller:When NAS ID = Controller IP and the Source IP = Access Point IP, RADIUS CoA fails unexpectedly.
826155	Updated OUIs.
826648	Wireless hosts are not displayed correctly in Meraki AP device port/adapter view.
826924	Fixed integration for DGS-1510-28X Gigabit Ethernet SmartPro Switch.
828242	Ruckus Switch Non-Default VRF Arp entries no longer contained at ipNetToMediaPhysAddress.
828500	Unable to add domains to zones.common via GUI (Allowed Domains).
828912	MDM poll fails for MaaS360.
832965	COA Disconnect not working on Juniper EX.
833332	When an Admin user changes their own password, and error message appears and they are immediately logged out.
833351	Guests: Cannot modify Guest - Invalid Password error.
833429	Config Wizard: Clicking Next or Back on any non-Basic Network page returns user to Basic Network page.
833445	Config Wizard - Add/Modify Scope: Clicking Help opens page with 9.4 version loaded by default.
833700	RADIUS server fails to enable when upgrading from build 0721 to 0722.
834302	Updating NTP generates "Failed to save Time Config".
834479	When creating a new user via the REST API (and thus GUI), the password was not hashed properly.
0810167, 0810180	Fixed fingerprints for iOS, FortiGate and FortiSwitch.Previously, they could match the wrong devices.

Ticket #	Description
751468, 811479, 770730	RADIUS/Winbind services need manual startup to handle system reboot.

Version 9.4.0

Ticket #	Description
643817	Added L2 Polling to Palo Alto
692446	Added Preserve Port Names option to update port names when changed at the switch. Option can be modified at the switch and global level. See Device properties and Network device in the administration Guide for more information.
699487	Kerberos support
699857	User Organizational Unit OU LDAP mapping to use it in User/Host Profile
709286	New UI menu to download log files for troubleshooting. See Download logs in the 9.4 Administration Guide.
726333	Entitlements (such as concurrent licenses) for Subscription Licenses are not accurately reflected in the Administration UI License Management view and only show Base licenses.
733943	Changing password in bulk using Set Model Configuration sets the same username for all selected devices.
747921	Portal renaming does not rename the associated CSS files.
750248	Unable to access the secondary server's Configuration Wizard in a High Availability configuration.
752941	GUI option to select the RADIUS MAC delimiter for Juniper Switches
755328	Embed Tomcat into yams
756167	RADIUS view sort by Winbind column fails, shows empty table.
756499	Microsoft Intune MDM integration does not support latest API.
759018	Admin user with admin user profile permissions to Access, Add/Modify and delete "Users" is unable to create a new regular user.
762071	Radius Auth/EAP Type columns empty in Network > Device > Ports > Adapters table.
762081	bsc-rename-ethers service fails on virtual machines.
770208	Juniper switches fail to change VLAN on ports that are RADIUS enabled.
770930	High L3 Polling frequency in environments with no SSO management configured.

Ticket #	Description
770974	Event Lifetime alarm trigger rule is not being honored when configured.
773426	Continued work on wired generic RADIUS integration
773828	Not polling L2 information from PNetworks switches with latest firmware.
774724	Unable to filter Hosts and Adapters by status through API.
776171	Rewrite Host/User/Adapter dialogs
777400	Syncing "Role Based Access" may delete sub-groups
778157	L2 Polling issues with Cisco 9800 WLC firmware 17.3.
778520	Added SQL query for GroupManager.getGroupsMembershipIDs() when determining group membership in order to improve performance.
778940	AV Product to detect Windows Security Center-detected products
779414	Client filter for User Accounts, Hosts, and Adapters not functioning properly rewrite of OmniSources.
779873	FortiNAC processes taking unusually long to startup due to delays resuming FirewallSessionMgr.
779901	Vulnerabilities in mysql versions less than 5.6.42.
780282	FortiNAC Events using old vendor name "Bradford Networks".
780626	Huawei Wireless controller imports nameless APs.
780755	Alarms view used the legacy Dashboard actions.
780790	CLI Failing to Alcatel Omni 6860-P48.
781520	RADIUS COA failing for FortiAP when hosts are deleted.
782374	L2 polling not parsing correctly for Motorola 7.X devices.
782418	Hide Accepted Requests Enabled and click on Expand Widget - Widget shows Accept Requests
782433	Fix Integration for D-Link DGS-3130-30TS.
782438	InvalidYamsUserException seen during UI logout.
782740	Unable to read default and current vlans for Ruijie switches.
782744	Script install-winbind-virtual contains spaces around = assignments - invalid.
782760	Huawei S7706 switch is not reflecting the interface port number correctly in the Label column.
782884	Green theme has similar colors for charts.
783227	Check that freeradius gpg key is imported.

Ticket #	Description
783536	Portal Auth - FAC VSA Fortinet-Group-Name is not created in FNAC.
783544	Fortigate FG-200F improperly labeled as FG-201E.
783552	NAC service not running at startup when no IP address is configured for eth0. This causes "Processes Down" to display in UI.
783587	AirWatch MDM roles are overwritten by user roles.
783621	Host import related Memory issues.
783944	Exception reading VLANs on Meru 4100 with firmware 5.1-93.
784045	Memory leak in stacked-area-chart.Symptom includes Dashboard becoming unresponsive if left open for long periods of time.
784346	RADIUS Reject doughnut is not centered if filter does not include any reject counts.
784517	Location filtering not working on Connections view.
784601	Group membership lookup causing high CPU utilization.
784618	RADIUS Failures after upgrading from 8.5 to 8.8 due to bad secret.
784957	Not polling L2 information from Cisco ME-3400E-24TS-M router.
785367	RADIUS GroupName - Group Members list does not show all members.
785403	Unable to add user to user group containing * in name.
785438	A None/Use Default option has been added to Users Dialog > Mobile Providers.
786277	RADIUS Group - Exception when user group already exists with Type non-User.
786401	Remote Scan -> Linux x86_64 -> 500 Error
786434	Allow changing CLI Passwords from Secondary and FNAC-A systems.
786670	Exception thrown when loading Logical Network Host Access tile.
786744	User Accounts view > create user is not passing password as encoded, and will not match auth requests.
786751	Distinguished Name (DN) can now be used in User view filters.
786785	Not able to add ciphers under RADIUS > TLS config page.
787271	Certificate Management View - Server Certs & Trusted Certs views both showing results from both views.
787562	MDM sources can't override the host icon.
787563	Fix null pointer exception during SNMP read of Meraki L2.
787584	Logical Network Host Access host info slider not displaying info.

Ticket #	Description
787585	DHCP fingerprints are not matching DHCP message type.
787909	Portal configuration changes don't take effect without restart.
787957	Self-Registered Guest Login,: Failed to retrieve SMS Providers - null
788066	Server startup delayed by incorrect thread start logic on Network Session Event updater.
788089	RADIUS service will not start after upgrade to 9.2 if winbind is not fully configured.
788119	Network Events table does not show totals for Event Type column.
788138	Network Events has no option to filter child records.
788729	Randomly RADIUS 802.1x proxy stops working.
788825	DHCP fingerprint additions, changes or improvements to the following: "Camera", "D-Link" "Camera", "TRENDnet" "HVAC", "Honeywell" "Mobile", "Samsung SmartWatch" "Gaming", "Nintendo" "Network", "Router/Netgear" "Network", "Router/D-Link" "Network", "Router/Trendnet" "Network", "Apple TV" -> "internet_tv", "Apple TV" "Network", "Amazon Fire TV" -> "internet_tv", "Amazon Fire TV" "Network", "Chromecast" -> "internet_tv", "Chromecast" "Network", "DIRECTV" -> "internet_tv", "DIRECTV" "Network", "DVR/TiVo" -> "internet_tv", "DVR/TiVo" "Network", "Roku Media Player" -> "internet_tv", "Roku Media Player"
788849	New dashboard tiles relating to Connections were incorrectly not masking the background.
789018	Service Connectors > REST SMS Gateway > The required fields should be the same in create and edit page
789061	Service Connectors > REST SMS Gateway > HTTPs Toggle is not working expectedly when API URL is specified with https.
789228	Modifying adapter allows Physical Address to be left blank.
789309	Filtering on the column Type does not work on Network Events.
789316	Deleting multiple User Accounts in a row does not delete all user in table.
789396	Service Connectors > REST SMS Gateway > Overview: Cant tell which REST SMS Gateway is set as default.

Ticket #	Description
789440	SMS sending would stop after the first user.
789763	When changing the date via the Settings tile, Recent Hosts tile date range not updating properly.
789785	Not able to add groups to the Roles.
789865	Network > Service Connectors > REST SMS Gateway: The default gateway is not working when the mobile provider is None.
790010	Two tiles without settings still show Settings.
790403	Fix ClassCastException in AirespaceSwitch during WAP read.
790580	Network > Service Connectors > REST SMS Gateway: Security Incidents of a host doesn't trigger the corresponding SMS.
790747	FGT interface with VLANs does not show device connections to VLAN sub interfaces for traps.
790854	Failure to properly read Cisco trunk ports results in undesired VLAN switching.
790904	Creating new user as non-admin hangs retrieving Role dropdown values.
791273	Non Admin User Can Edit Admin User.
791276	Clicking EULA Link When Logging In As New User Goes To Broken Link.
791304	Admin Profile > Uncheck All removes General permissions.
791327	FortiNAC is changing WAP Uplink ports Current VLAN to match the Default VLAN.
791342	Manually Registered IP Phones get incorrect device type assigned.
791401	Dashboard > Scans > By Day grouping is incorrect.
791841	Edit Host Dialog > Device Type is not reading/writing the correct value.
792452	NetworkSessionEventUpdater is throwing an exception on startup.
792514	A remote unauthorized user can gain the version of the Tomcat used by FortiNAC by sending an HTTP GET request.
792516	Vulnerable scripts
792522	Fix Database auth changes for initial install.
792986	Device Types, Role, User ID drop down is not ordered.
793169	Messaging Gateways > Change how passwords are transmitted.
793920	Default Admin Profiles Have No Permissions.
794036	User Record values must be populated automatically if the user exists in an Active Directory or an NCM.
794067	Not pulling L2 information from Aruba 8.X firmware.

Ticket #	Description
794362	System Update not reliably trusting fnac-updates.fortinet.net.
794381	Fortigate forwarding class does not work with tls1.3.
794774	Landing Page does not work for all choices.
794783	Typo in a CLI Password error message.
794791	Admin user is brought to the last-viewed page when logging in to UI instead of designated Landing page.
794937	The Recent Hosts widget is not displaying additional host info when clicking counts.
795243	Portal - Request Processing Rules: Text at edge of window for Auto Configure and Publish.
795260	Local RADIUS Server not returning proxy-state attribute in Access Accept for Motorola/Extreme Networks WiNG VX 9000.
795260	Motorola controllers proxying AP auth requests send Proxy-State attr and expect it unchanged in response. RADIUS (local) does not send it back.
795623	Log output from Windows Profile method when parsing fails.
796048	An error is getting thrown during NetworkSessionEvent archive & purge.
796065	Unable to set device profiling to Host to Logged in User (if Present) on NCM.
796105	Device Type incorrectly changing for registered devices.
796145	Guest and Contractors > Select one and View > send SMS throws a null pointer exception.
796259	In Pending Tasks page, tasks are allowed to be completed, even if their parent task is incomplete.
796515	UnsupportedOperationException trying to autoclose FileSystem in process manager.
796522	TelnetServer not handling SocketTimeoutException.
796533	Support for Physical Ethernet MAC for Apple TV in Jamf.
796623	MicroSoft Intune API only returns ethernetMacAddress per device.
796659	Host information does not display when clicking "Total Count" on Persistent Agent Summary widget.
796663	Setting option for Persistent Agent System Page is not allowing to toggle between visualizations.
796908	Clicking the number in the Logical Network Host Access tile does not open the hosts slide.
796965	Network Device Summary widget not showing complete switches and

Ticket #	Description
	Wireless AP counts.
797369	Added Minutes/Hours/Days control to Logical Network Host Access tile.
797439	Host > Edit Host > Cannot change the Role or manually Register as Device.
797465	Nested group memberships not detected.
797542	Dashboard > Scan > Group by Hour adjusts timezone.
797708	Force 10 switches sometimes modeled incorrectly.
797723	Local RADIUS mode:RADIUS fails for endpoints connecting to a FortiSwitch that has been renamed.
797778	AdminProfileManager has a null reference on Startup.
797834	Unable to properly expand details of "Network Events".
797919	Network > Service Connector > REST SMS: All of the SMS sent out using the default SMS Gateway even when the mobile provider is set.
798181	RADIUS Service Host MAC filter does not print debug if supplicant does not use colon mac delimiter.
798234	Rejected Hosts view in RADIUS Activity tab doesn't properly filter table results to exclude a specific reject cause.
798234	RADIUS dashboard tile - rejected hosts slide opens empty.
798511	Upgrading from 0159 to 0160 results in error: Access denied for user nac@localhost (using password: NO).
798651	Can not access RADIUS Activity view if user has "Activity" but not "Local Service" RADIUS view permissions.
798665	REST SMS Gateway: In Captive network > Guest Self Registratiion page, when Mobile Provider=None, the SMS is not sent.
799804	TLSv1 and TLSv1.1 is now disabled in portal by default.
800323	Policy name in Admin Profile > Permissions are not consistent with policy name in Policy & Object.
800408	API query for FLink FSW data deprecated in FOS 7.2+.Prevents FortiSwitches in Link mode from being added to Inventory when the managing FortiGate is discovered.
800811	User with permission for access users is also able to delete user.
801221	SQL Exception thrown in NetworkSessionEventUpdater if DYNAMICLOG table is missing from database.
801252	RADIUS not mapping to correct AD server when kerberos and netbios names differ for a single winbind instance.
801623	Phone numbers formatted to E.164 before sending to gateway.

Ticket #	Description
801661	GUI - URI navigation drops query params, losing tab indicator, prevents direct links to secondary views.
801666	Host summary tile total values don't apply filter.
801971	Groups view doesn't automatically reload.
802343	The message template under Notify User Via Email is not editable in Self Registration Login Portal Configuration.
802372	Vulnerability Scan Status on Host view page displays as "-1" instead of passed, failed or not scanned.
802913	Clicking Cancel in Create User view results in browser console errors.
802923	ClassCastException when creating/deleting trigger.
802942	Parsing issue with Mobile Iron Cloud integration.
803033	FortiNAC Agent version 9.4.0.93 is included with this release.
803061	Multicast IPv6 addresses can now be excluded using the MAC address Exclusion view. See MAC address exclusion in the 9.4 Administration Guide for details. Note: After upgrade, toggle the option off and on in order for the function to take effect.
803645	output.nessus - several java.io.FileNotFoundException errors
803651	Model Config of VDOM reports 404 error and exception in output.master.
803745	Top Host Activity Widget - maps Device Type to User&Hosts > Hosts > Operating Systems Column instead of Device Type.
803745	The Top Host Activity tile was using getTypeLabel instead of getIconType to populate the Device Type column
804512	A null reference exception is thrown sometimes when expanding/scrolling the Network Events datatable.
804518	Local Radius leaves out Tunnel-Private-Group-ID and Filter-ID when Quarantine enforcement is set to "bypass".
804913	Logical Network Host Access total count slide out shows all hosts for the Logical Network instead of only hosts for the specified time sample.
805725	Historic Network Event data is incorrectly setting Disconnect time.
805866	Scheduled Shared Filter Reports result in error event.
806122	Roles not being assigned properly to Registered Hosts.
806141	Network > NetworkEvents - upgrade from 9.x to 9.4Type, LogicalNetwork and NetID is not showing expected data.
806141	Network > NetworkEvents Type, LogicalNetwork and NetID is not showing expected data.

Ticket #	Description
806282	When a user attempts to complete a task via the notification bell, and it has a parent task that is still open, it incorrectly displays a "Changes Saved" message.
806567	known_hosts file has duplicate host entries.
807062	On upgrade, FortiNAC loses its eth0 IP Address.
807383	The POST method to add a new HostRecord has changed in this version. POST attempts using the old API call fails.
586499 765212	SMS Gateway Support
725235 756818	Debug logging enhancements
751403 782386	RADIUS Activity Monitoring - Additional Misc Fixes.
782391 782386	RADIUS health activity- Current last 90 min does not match Timeline Chart Time Span for 90 min
784737 785526	Location and IPRange method match failure prevent matching lower rank rules.
801948 803681	Fresh Deployed server will not start: java.sql.SQLException: Connections could not be acquired from the underlying database.
750209	Enhancement made to detect unrecognized devices that support standard based RADIUS management via CoA/Disconnect.
759481	FortiNAC detects AV engine status on windows

Known Issues Version 9.4.1

Ticket #	Description
937206	Devices modeled with SnmpV1 when SnmpV2 is specified via the SNMP REST API Endpoint.
856217	Hosts discovered by MDM are getting incorrectly marked as having a Persistent Agent.
809769	HTML is not supported when using "Guest Account Details" message type template.
874037	GUI > Users & Hosts > Host View > Quick Search - Unable to locate host by hyphen or no delimiter.
883680	404 response to HTTPS GET when polling Firewall Sessions on FortiGate running FOS 7.2+.
882265	FortiNAC is not sending the correct serial number field to FAZ.
811404 807309	Admin UI showing error "You do not have permission to access this page". Workaround: Restart tomcat-admin service.
878899	Disassociate syslog messages sent by Meraki to FortiNAC are ignored if the AP is part of the L2 wired group.
878836	Intune MDM Integration 'Invalid Audience' when using an App registration in the Azure Government cloud.
878836	Intune MDM Integration 'Invalid Audience' when using an App registration in the Azure Government cloud.
878059	Using Location that specifies a device will not work if that device is a FortiLinked FortiSwitch
866378	Custom Login using a Guest Self Registration account fails with error Registered Client Not Found.
875720	REST API v2 query for Scan Results returns no results.
869097	Prioritize the IP -> MAC value provided by RadiusServer for managed wireless clients.
867183	Unable to perform seamless failover of Aruba Controller with FortiNAC.
754346	Default filter used when selecting Port Changes for a specific device port does not work.
874812	Private VLAN switching is not working > Cisco switches.
686910 714219	Control Manager (NCM) communication issues when the NAC systems are connected through the WAN. For details see related KB article https://community.fortinet.com/t5/FortiNAC/Technical-Note-NCM-communication-issues-with-systems-across-WAN/ta-p/192434 .

Ticket #	Description
849497	The FreeRADIUS service is restarted whenever a new network device is modeled even if local RADIUS is not enabled.
849140	In a High Availability environment, the Network Control Manager's API query to a managed pod's Secondary Server will return the serial number of the server in control. If the server in control is the primary, the query to the secondary will fail.
848274	The Service Connectors view does not display the option to create a new connector.
845935	From the Hosts view, when attempting to scan a host with a certificate check, the UI turns gray and does not allow input until either the browser is refreshed or closed/re-opened. This affects hosts running the 9.4 agent only.
845930	When a managed pod is removed from the Network Control Manager, not all references to the previously managed pod are removed from the database. The result is a "Sync failed to replace xyz" error message when a sync is attempted.
845412	When a sync is performed on the Network Control Manager, modified group names are not synchronized to the managed pod.
845163	In a High Availability environment, if no isolation networks are configured, the dhcpd service will fail to start resulting in a failover.
845003	Unable to register hosts to usernames in format of an email address. An "Error – Failed to Save Host – null" message appears.
845000	Unable to add a new LDAP or local user account when the username is in the format of an email address. A "Failed to modify User" message appears.
842370	Radius will ignore incoming requests from a device if the Model Configuration or VDOM configuration does not specify a secret and local radius mode (and for a VDOM, additionally a Source IP address).
842280	Guest Self-Registration, when configured to e-mail users their credentials, now requires 2 separate e-mails (1 containing username and another containing password).
842122	An incorrect license utilization percentage is displayed in the Network Control Manager Dashboard license widget.
841907	The Network Control Manager can experience lengthy response times when querying hosts from the managed pods.
840796	InTune records without unique serial numbers can cause issues with FortiNAC's device lookups. Records are currently looked up via serial number first and MAC address second. Lookup order should be reversed.
838525	Configuring Remote Backup results in a "HTTP Status 500 – Internal Server" error.

Ticket #	Description
837938	With Legacy Mode disabled, when attempting to edit user settings the "OK" button is disabled not allowing settings to be saved.
836606	When polling GSuite, if communication times out part way through, the poll is still reported as successful even though not all records were obtained.
836435	Unable to read VLANs on Huawei 6508 WLC.
836146	radius.log file can grow too large if debug is left enabled.
836137	Existing results disappear on RADIUS -> Winbind view if the results are sorted by Joined column.
835782	Applying a license key in the Configuration Wizard can result in a "HTTP Status 500 – Unable to compile class for JSP" error message.
835405	Admin UI is inaccessible after running the Configuration Wizard during a new deployment. Logs indicate the keystore is unrecognized.
835149	When an endpoint is registered as a device in Host AND Inventory/Topology, it is not possible to edit the host role. The option is available, but changes do not apply.
835143	When querying Microsoft Intunes network details, FortiNAC does not validate whether the response is successful. As a result, additional queries fail until the token is refreshed.
834461	All required radius CoA attributes are not sent to Ruckus controllers in a disconnect request.
833735	Host icons in the Inventory view are not updated until a Layer 2 poll occurs.
833327	Routes specifying an interface are no longer present after reboot or restart of processes.
833305	Guest account password is unmasked when printing badge even though admin user does not have password viewing permissions.
833302	When adding an admin user on the local pod whose userID matches that of a user on the NCM, the user created is "root".
832313	Device integration does not handle CLI connections to infrastructure configured with keyboard-interactive password challenge.
830932	Entitlement Polling Success event is not listed as an option for triggering or clearing an Alarm Mapping.
830581	IP Phones will not match policy if host group membership is configured as a User/Host Profile requirement despite the phone being a member of the host group.
830159	Unable to add new Roles from the Policy & Objects > Roles view without additionally defining a group.
829702	FortiGate wireless clients cannot connect after a FortiNAC software

Ticket #	Description
	upgrade if the FortiGate device model's RADIUS secret is not populated. This is true even though the VDOM radius secret is populated.
829019	Manager's (NCM) Resume Control button on the Dashboard in a High Availability environment does not restore control to the primary Manager.
863826	License Management view in the UI always displays "Base" for the License Name when using subscription licenses. Workaround: Use the License Information Dashboard Widget. Solution: Addressed in version F7.2.1 and greater.
827870	When a FortiGate device model's IP address is changed in the Inventory view, add/delete/move syslog messages from the new IP address is discarded until FortiNAC services are restarted.
827283	Roaming Guest Logical Network missing from FortiGate Model Configuration.
826913	Creating a Network Device Role using Direct Configurations reverts to Logical Networks.
826653	FortiNAC supplied Dynamic Addresses on the FortiGate can become orphaned in FortiNAC High Availability environments. This can cause unintended network access.
824088	Unable to update existing Registered Host records using Legacy View > Hosts > Import.
820160	Roles view is not available with a Base License.
818504	Linux Persistent Agent fails to install using the .deb package.
817040	FortiNAC Manager fails to connect to pods configured for L2 High Availability with a virtual IP. Manager is querying eth0 IP instead of Virtual IP.
814183	Unable to view all Certificate Details in the Certificate Management view.
813652	Security Alarms are not generating from Security Events.
811783	Links in the Persistent Agent Summary panel produce redundant results.
810574	Unable to scan message when using Dissolvable agent if scan configuration label contains non US-ASCII characters.
808523	Delete User: Admin User without Admin User Permissions is able to delete another Admin User
808088	Alarms stop generating notifications. Affects environments with notifications configured for high frequency alarms.
804519	Network Events and other Views - Filtering based on content entered in the filter field does not produce results. Workaround: Leave filter field blank and select an object in the drop-down instead.
800255	Device Profiling IP Range Method does not include .255 when using

Ticket #	Description
	wildcards.
793634	MDM Server Last Polled and Last Successful Poll information removed in 9.x.
792968	Legacy View for Users & Hosts > Hosts does not display items in tables. Workaround: Enter "*" (asterisk) in search field.
791442	Able to delete a Portal Configuration which is in use by a Portal Policy. Removal is done without warning the user.
784642	Norton Antivirus Plus (Norton 360) installed from app store not detected in endpoint compliance scan.
783304	DHCP responds with unexpected addresses in the DHCP-Server-Identifier attribute. This causes release/renew to fail. Affects appliances configured for separate isolation networks (Registration, Remediation, DeadEnd, etc).
776077	Local Radius to Winbind connection cannot be secured at this time.
774048	L2 HA + VIP Pairing Process Failing. Configuration completes but leaves both appliances in a "processes down" state. Workaround: Reboot appliances.
770091	Port changes/VLAN assignments made using Local RADIUS are not being logged as port changes.
768717	FortiNAC not consistently sending SSO logon messages to FortiGate.
767548	Register Game system with Host Inventory success page is not working.
765172	Configuration Wizard does not check whether user input subnet masks are valid.
762704	After clicking the 'restart services' button when applying SSL certificates to the Admin UI Certificate Target, the prompt does not clear and there is no confirmation dialogue (even though it was successful). Clicking the 'restart services' button again generates an error.
761745	Mist AP - Port Connection State NOT WAP Uplink.
754346	Selecting Port Changes under the Ports tab of a specific device in Network > Inventory does not display expected results. For details and workaround, see KB article https://community.fortinet.com/t5/FortiNAC/Technical-Tip-Default-filter-for-Port-Changes-does-not-populate/ta-p/209297 .
752538	When in the Users & Hosts > Applications view, selecting an application and clicking the Show Hosts option displays a page that does not provide accurately filtered results. Workaround: Navigate Users & Hosts > Hosts and create a custom filter to list hosts associated to an application.
710583	L2 Polling Mist APs can result in more API requests than Mist allows per hour.
708936	FortiNAC will logoff SSO for sessions that remain connected to a managed

Ticket #	Description
	FortiGate IPsec VPN tunnel after 12 hours.
708720	Policy evaluation may not be triggered after a host status update in Microsoft Intune. This can prevent the host from being moved to the proper network. For details and workaround see related KB article https://community.fortinet.com/t5/FortiNAC/Technical-Tip-Policy-evaluation-not-triggered-after-Microsoft/ta-p/203843 .
699106	After a reboot, FortiNAC may change the Native VLAN on a wired switch port following a layer 2 poll. This may cause issues for ip phones should they connect to a port where the native/default VLAN isn't the correct VLAN.
695435	FortiEDR is currently not supported. If required, contact sales or open a support ticket to submit a New Feature Request (NFR).
694407	Linux hosts running CrowdStrike Falcon sensor 6.11 and later are not being detected by the agent. This causes hosts running CrowdStrike Falcon to incorrectly fail scans. For details and workaround, see related KB article https://community.fortinet.com/t5/FortiNAC/Troubleshooting-Tip-Linux-hosts-running-CrowdStrike-Falcon/ta-p/202694 .
682438	Page Unresponsive' error when exporting hosts. For details and workaround see related KB article https://community.fortinet.com/t5/FortiNAC/Technical-Note-Page-Unresponsive-error-when-exporting-hosts/ta-p/193878 .
674438	Processes Scan Type option is not available when creating custom scans for macOS systems.
631115	Only 50000 records display in Adapter and Host Views. Example: Adapters - Displayed: 50000 Total: 57500
	Not all models of all network devices can be configured to perform Physical MAC Address Filtering even though the Admin UI indicates that the configuration can be set. Resolution: Hosts can be disabled by implementing a Dead-end VLAN.
	For Portal v2 configurations, web pages that are stored in the site directory to be used for Scan Configurations will not be included when you do an Export of the Portal v2 configuration. Resolution: The files in the site directory are backed up with the Remote Backup feature, but otherwise keep a copy of these files in a safe place.
	Removing a device from the L2 Wired Devices or L2 Wireless Devices Group does not disable L2 (Hosts) Polling under the Polling tab in Topology.
	The "Set all hosts 'Risk State' to 'Safe'" button changes the status of all hosts marked At-Risk to Safe. However, the status of the individual scans for each host remain unchanged.
	In a Layer 3 High Availability (HA) environment, configWizard must have a

Ticket #	Description
	DHCP scope defined. Running configWizard without a DHCP scope can cause a failover.
	On FortiNAC appliances with CentOS 7, duplicate log messages may appear in dhcpd.log for each sub interface (eth1, eth1:1, eth1:2, etc).
	System > Settings > Updates > Operating System will only record and display dates of OS updates that are completed through the Administrative UI. If Operating System updates are run via command line using the "yum" tool, the update is not recorded. Resolution: Execute Operating System Updates through the Administrative UI in order to maintain update history.
	Only English versions of AV/AS and their corresponding definitions are supported.
	Anti-Virus product Iolo technologies System Mechanic Professional is currently not supported.
	Sophos UTM is currently not supported.
846822	FortiNAC failed the NMAP scan due to old IP reported from the arptool.
860206	Polling threads get locked when communications are terminated unexpectedly from the NCM.
861201	Windows 11 Domain Check.
859149	FortiNAC needs to read the VLANs assigned to access points running in Bridge mode managed by Extreme WLC.
857035	Problem integrating added wifi controller VX9000 (Extreme / Motorola).
854239	Radius CoA is not working as expected - ClassNotFoundException for CambiumAP in 9.2 release.
812908	/var/log/messages is not rotating generating large files and high disk usage issues.
856350	Unable to Admin Up a port via port properties in Adapter view. Incorrect port is shown.
857083	After Self Registration, FortiNAC doesn't sent Disconnect-Request to Huawei Controller.
816828	Wrong License Displayed (Base instead of Plus). Polling of entitlements is failing.
855897	CLI config for Huawei Switch S5731-H48P4XC.
856362	Upgrade from 8.x to 9.2.6 GA changes Conference account password.
836136	Guest Portal Registration no longer working. Guest passwords not read correctly out of the database.
836470	New NCM deploy on NacOS receives "HTTP Status 500 - Internal Server Error".

Ticket #	Description
856192	FortiNAC FSSO does not send required groups to FortiGate.
852946	FortiNAC 9.2.6 System Management menus gives HTTP 500 - Internal server error.
858184	Custom Subject line for Self Registration Request sent to sponsor does not reflect custom text.
853007	FortiNAC sends large amount of API requests to Meraki API.
852560	Custom Guest Account Password e-mail template is not used for Self Registration Self Registered Guest.
853870	Kaspersky Endpoint Protection 11.10 is not supported by FortiNAC.
826924	Issue with automatic VLAN assignment to ports on switch.
860996	Unable to read VLANs or L2 data for Huawei S6720-30C-EI-24S-AC.
855891	FSSO failing to send to FortiGate for hosts with PA.
842134	Blank section to Captive Portal page for mobile devices added after upgrade.
838561	Roles: Entering angle brackets for Name and Notes converts to < and >.
850085	Juniper MIST integration needs to handle other domains than api.mist.com.
859702	Enhance Palo Alto SSO REST API to allow for bulk messaging.
833324	FortiNAC unexpectedly disabling Juniper EX interfaces when host is deleted in "Host View".
840218	Cisco ASA firewall ports not showing on GUI.
841781	FNAC as Local Radius does not send Radius CoA after NAC policy is matched.
841710	No CoA seen when disconnecting Wireless Hosts/FortiAP integration.
852670	AP showing up as learned uplink not WAP Uplink.
814926	Unable to add Role.
858138	FSSO Tags are not sent to Wired and Wireless FortiGates after reconnecting the LAN port on FGT1101E.
770974	Event to Alarm mappings failing for Clear on Event criteria.
809769	HTML is not supported when using "Guest Account Details" message type template.
814476	HP J9776A 2530-24G Switch - Aggregation Port Issue.
847630	Newly deployed NAC via OVA was incomplete requiring various manual workarounds to get completed.

Ticket #	Description
845505	Manager (NCM) not properly synchronizing nested Global Groups.
845493	Manager (NCM) not properly synchronizing Global Groups.
860546	L3 polling for Extreme Campus Controllers (XCC) is currently unsupported.
849497	The FreeRADIUS service is restarted whenever a new network device is modeled even if local RADIUS is not enabled.
849140	In a High Availability environment, the Network Control Managers API query to a managed pods secondary server will return the serial number of the in control server. If the in control server is the primary, the query to the secondary will fail.
848274	The Service Connectors view does not display the option to create a new connector.
846782	FortiNAC is unable to read roles and potentially other data from Aruba IAPs due to a # symbol automatically added to the wireless network name.
845935	From the Hosts view, when attempting to scan a host with a certificate check, the UI turns gray and does not allow input until either the browser is refreshed or closed/re-opened. This affects hosts running the 9.4 agent only.
845930	When a managed pod is removed from the Network Control Manager, not all references to the previously managed pod are removed from the database. The result is a "Sync failed to replace xyz" error message when a sync is attempted.
845505	When a sync is performed on the Network Control Manager, if an IO error occurs, nested global groups may be removed from the managed pod due to returning an empty list.
845412	When a sync is performed on the Network Control Manager, modified group names are not synchronized to the managed pod.
845493	When a sync is performed on the Network Control Manager, if an IO error occurs, global port groups may be removed from the managed pod due to returning an empty list.
845163	In a High Availability environment, if no isolation networks are configured, the dhcpd service will fail to start resulting in a failover.
845035	Palo Alto VPN integration does not support syslog notifications from Palo Alto devices running v9+.
845008	Grab-log-snapshot should collect more master log files than the two collected.
845003	Unable to register hosts to usernames in format of an email address. An "Error – Failed to Save Host – null" message appears.

Ticket #	Description
845000	Unable to add a new LDAP or local user account when the username is in the format of an email address. A "Failed to modify User" message appears.
843401	Wrong portal selected despite matching specific portal policy.
843509	FortiNAC is unable to communicate with Dell x1026 switches.
842181	FortiNAC does not support the custom radius attribute Fortinet-Host-Port-AVPair action=bounce-port for Change of Authorization (CoA) with FortiSwitches.
842370	Radius will ignore incoming requests from a device if the Model Configuration or VDOM configuration does not specify a secret and local radius mode (and for a VDOM, additionally a Source IP address).
842280	Guest Self-Registration, when configured to e-mail users their credentials, now requires 2 separate e-mails (1 containing username and another containing password).
842122	An incorrect license utilization percentage is displayed in the Network Control Manager Dashboard license widget.
841907	The Network Control Manager can experience lengthy response times when querying hosts from the managed pods.
841825	Guest Self-Registration fails if using SMS.
840796	InTune records without unique serial numbers can cause issues with FortiNACs device lookups. Records are currently looked up via serial number first and mac address second. Lookup order should be reversed.
838525	Configuring Remote Backup results in a HTTP Status 500 – Internal Server error.
0837938	With Legacy Mode disabled, when attempting to edit user settings the "OK" button is disabled not allowing settings to be saved.
836831	Layer 2 polling HPE Walljacks fails if special characters are found in the devices mac-address table.
836606	When polling GSuite, if communication times out part way through, the poll is still reported as successful even though not all records were obtained.
836435	Unable to read VLANs on Huawei 6508 WLC.
836146	radius.log file can grow too large if debug is left enabled.
836137	Existing results disappear on RADIUS -> Winbind view if the results are sorted by Joined column.
835782	Applying a license key in the Configuration Wizard can result in a HTTP Status 500 – Unable to compile class for JSP error message.
835405	Admin UI is inaccessible after running the Configuration Wizard during a new deployment. Logs indicate the keystore is unrecognized.

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835149	When an endpoint is registered as a device in Host AND Inventory/Topology, it is not possible to edit the host role. The option is available, but changes do not apply.
835143	When querying Microsoft Intunes network details, FortiNAC does not validate whether the response is successful. As a result, additional queries fail until the token is refreshed.
834461	All required radius CoA attributes are not sent to Ruckus controllers in a disconnect request.
834094	When a sync is performed on the Network Control Manager, if an IO error occurs, global device profiling rules may be removed from the managed pod due to returning an empty list.
834089	When a sync is performed on the Network Control Manager, if an IO error occurs, global port group membership may be removed from the managed pod due to returning an empty list.
833735	Host icons in the Inventory view are not updated until a Layer 2 poll occurs.
833327	Routes specifying an interface are no longer present after reboot or restart of processes.
833305	Guest account password is unmasked when printing badge even though admin user does not have password viewing permissions.
833302	When adding an admin user on the local pod whose userID matches that of a user on the NCM, the user created is "root".
833088	Deleting a switch removes all port nesting's removing all ports from FortiNAC System Port Group.
832313	Device integration does not handle CLI connections to infrastructure configured with keyboard-interactive password challenge.
830932	Entitlement Polling Success event is not listed as an option for triggering or clearing an Alarm Mapping.
830581	IP Phones will not match policy if host group membership is configured as a User/Host Profile requirement despite the phone being a member of the host group.
830159	Unable to add new Roles from the Policy & Objects > Roles view without additionally defining a group.
829702	FortiGate wireless clients cannot connect after a FortiNAC software upgrade if the FortiGate device model's RADIUS secret is not populated. This is true even though the VDOM radius secret is populated.
829009	The Allowed VLAN list is not properly managed on Aruba CX switches. When FortiNAC performs a VLAN change, only the new VLAN is set. The previously configured Allowed VLAN is not removed. This causes the Allowed VLANs list to grow over time.

Ticket #	Description
829019	Manager's (NCM) Resume Control button on the Dashboard in a High Availability environment does not restore control to the primary Manager.
828499	HTTPD failed state after 9.2.5 upgrade requiring cleaning up semaphores.
828128	Unable to add Allowed Domains containing underscore symbols.
827870	When a FortiGate device model's IP address is changed in the Inventory view, add/delete/move syslog messages from the new IP address is discarded until FortiNAC services are restarted.
827283	Roaming Guest Logical Network missing from FortiGate Model Configuration and possibly other vendors.
826913	Creating a Network Device Role using Direct Configurations reverts to Logical Networks.
826653	FortiNAC supplied Dynamic Addresses on the FortiGate can become orphaned in FortiNAC High Availability environments. This can cause unintended network access.
824088	Unable to update existing Registered Host records using Legacy View > Hosts > Import.
820160	Roles view is not available with a Base License but necessary for Network Access Policies.
818504	Linux Persistent Agent fails to install using the .deb package because setup.py doesn't exist.
817040	FortiNAC Manager fails to connect to pods configured for L2 High Availability with a virtual IP. Manager is querying eth0 IP instead of Virtual IP.
814183	Unable to view all Certificate Details in the Certificate Management view.
813652	Security Alarms not generating from Security Event.
811783	Links in the Persistent Agent Summary panel produce redundant results.
810574	"Unable to scan" message when using Dissolvable agent if scan configuration label contains non US-ASCII characters.
808088	Alarms stop generating notifications. Affects environments with notifications configured for high frequency alarms.
0807309 0811404	Admin UI showing error "You do not have permission to access this page". Workaround: Restart tomcat-admin service.
800870	Packet from from a secondary that is not the secondary in the configuration will prevent the primary from starting.
800325	Cisco Port Channel Link Resolution.
800255	Device Profiling IP Range Method does not include .255 when using wildcards.

Ticket #	Description
793634	MDM Server Last Polled and Last Successful Poll information removed in 9.x.
791739	Google Authentication:Google Identity Services Library is currently not supported.
783304	DHCP responds with unexpected addresses in the DHCP-Server-Identifier attribute. This causes release/renew to fail. Affects appliances configured for separate isolation networks (Registration, Remediation, DeadEnd, etc).
776077	Local Radius to Winbind connection cannot be secured at this time.
774048	L2 HA + VIP Pairing Process Failing.Configuration completes but leaves both appliances in a "processes down" state.
773733	Enhance DeviceInterface debug dumpSSOTargets output.
770091	VLAN assignments made using RADIUS are not logged as port changes.
767548	Register Game system with Host Inventory success page is not working.
765172	Configuration Wizard does not check whether user input subnet masks are valid.
762704	After clicking the 'restart services' button when applying SSL certificates to the Admin UI Certificate Target, the prompt does not clear and there is no confirmation dialogue (even though it was successful). Clicking the 'restart services' button again generates an error.
761745	Mist AP - Port Connection State NOT WAP Uplink.
754346	Selecting Port Changes under the Ports tab of a specific device in Network > Inventory does not display expected results.
752538	When in the Users & Hosts > Applications view, selecting an application and clicking the Show Hosts option displays a page that does not provide accurately filtered results.
739990	Android Mobile Agent prompts for server name.
710583	L2 Polling Mist APs can result in more API requests than Mist allows per hour.
708936	FortiNAC will logoff SSO for sessions that remain connected to a managed FortiGate IPsec VPN tunnel after 12 hours.
708720	Policy evaluation may not be triggered after a host status update in an MDM solution. This can prevent the host from being moved to the proper network until the next Layer 2 Poll.
699106	After a reboot, FortiNAC may change the Native VLAN on a wired switch port following a layer 2 poll. This may cause issues for ip phones should they connect to a port where the native/default VLAN isn't the correct VLAN.
694407	Linux hosts running CrowdStrike Falcon sensor 6.11 and later are not being

Ticket #	Description
	detected by the agent. This causes hosts running CrowdStrike Falcon to incorrectly fail scans.
686910	Control Manager (NCM) communication issues when the NAC systems are connected through the WAN.
795411	Not able to click the "In Use" number of Concurrent Licenses Widget.
870875	Address Group Object "In Use" button does not display accurate results.

Device Support Considerations

Ticket #	Description
548902	Management of wired ports on Aerohive AP-150W controlled by AerohiveNG is currently unsupported.
679230	Aruba 9012-US currently not supported. If required, contact sales or support to submit a New Feature Request (NFR).
829009	The Allowed VLAN list is not properly managed on Aruba CX switches. When FortiNAC performs a VLAN change, only the new VLAN is set. The previously configured Allowed VLAN is not removed. This causes the Allowed VLANs list to grow over time.
836831	Layer 2 polling HPE Walljacks fails if special characters are found in the devices mac-address table.
842181	FortiNAC does not support the custom RADIUS attribute Fortinet-Host-Port-AVPair action=bounce-port for Change of Authorization (CoA) with FortiSwitches.
843509	FortiNAC is unable to communicate with Dell x1026 switches.
845035	Palo Alto VPN integration does not support syslog notifications from Palo Alto devices running v9+.
846782	FortiNAC is unable to read roles and potentially other data from Aruba IAPs due to a # symbol automatically added to the wireless network name.
7680531	Ubiquiti Gen2 Unifi switches (example: USW-16-POE) are currently not supported. If required, contact sales or support to submit a New Feature Request (NFR).
860546	L3 Polling currently not supported on Extreme Wireless Controllers
	At this time, integration with Juniper MAG6610 VPN Gateway is not supported. This includes Pulse Connect Secure ASA.
	At this time, integration with Cisco 1852i Controller is not supported due to the device's limited CLI and SNMP capability. For details, see related KB article 189545.
	At this time, Fortinet does not support wired port management for the Cisco 702W. The access point does not provide the management capabilities required.
	At this time, Fortinet is not able to support the Linksys LAPN600 Wireless-N600 Dual Band Access Point.
	Ports on Avaya Networks 4850GTS-PWR+ switches sometimes show "Not Connected" even though the port is active. This is due to multiple ports on the switch using the same MAC Address. This prevents NAC from correctly

Ticket #	Description
	discerning which are "Connected" versus "Not Connected". There is no workaround.
	Device models for Avaya 4800 switches (and potentially other related models) only support SSH. Device models for Avaya Ethernet Routing Switches only support Telnet. Contact Support if the alternate protocol is required.

Device Support

These changes have been made in FortiNAC Version 9.4.1. These are in addition to the device support added in previous releases.

Version 9.4.1

Ticket #	Vendor
805669	Extreme VSP-7400-48Y-8C (8.1.6.0)
806646	S5735-L24T4X-A1 Huawei Versatile Routing Platform Software VRP FGT85F S5731-H24T4XC Huawei Versatile Routing Platform Software FGTVM641000C S5732-H48UM2CC Huawei Versatile Routing Platform Software FGT50A JL581A Aruba 8320 48p Juniper Networks, Inc. ex3400-48t Ethernet Switch
814620	Cisco IOS Software, c6848x Software (c6848x-ADVENTERPRISEK9-M) Palo Alto Networks PA-3200 series firewall S5735-L24P4X-A1 Huawei Versatile Routing Platform Software S5735-L24P4S-A1 Huawei Versatile Routing Platform Software Extreme Networks Switch Engine (5420F-24P-4XE-SwitchEngine) PowerConnect 7024, 5.1.18.1, VxWorks 6.6 Aruba JL658A 6300M 24SFP+ 4SFP56 Swch FL.10.09.1000 Datacenter Switch Cisco IOS Software [Bengaluru],c8000be Software(X86_64_LINUX_IOSD-UNIVERSALK9-M)
820169	Ruckus Wireless, Inc. ICX7850-48F, IronWare Version 08.0.95fT233
820969	HP A5120-24G SI Switch Software Version 5.20, Release 1513P13 S5720-52P-PWR-LI-AC Huawei Versatile Routing Platform Software VRP (R) software,Version 5.170 (S5720 V200R011C10SPC600) S5735-L8T4S-A1 Huawei Versatile Routing Platform Software VRP (R) software,Version 5.170 (S5735 V200R020C10SPC500) SG500X-24 24-Port Gigabit with 4-Port 10-Gigabit Stackable Managed Switch
824676	Dell EMC Networking OS10 Enterprise. Palo Alto Networks PA-400 series firewall

Ticket #	Vendor
	FGT-SG-SSL U6-Lite 6.0.19.13671 Allied Telesis router/switch, Software (AlliedWare Plus) Version 5.5.1-2.4 CBS350-8FP-2G 8-Port Gigabit PoE Managed Switch
825863	Allied Telesis router/switch, Software (AlliedWare Plus) Version 5.4.9-0.2
827842	Alcatel-Lucent Enterprise OS6560-P48Z16 8.7.98.R03 GA, July 05, 2021. Allied Telesis router/switch, Software (AlliedWare Plus) Version 5.5.1-2.4 Cisco IOS Software, IE2000 Software (IE2000-UNIVERSALK9-M), Version 15.0(1)EY Meraki MR44 Cloud Managed AP Cisco IOS Software, cgr1000 Software (cgr1000-UNIVERSALK9-M), Version 15.7(3)M1 S5731-S24T4X Huawei Versatile Routing Platform Software VRP (R) software, Version 5.170 (S5731 V200R021C00SPC100) PowerConnect 7024P, 5.1.18.1, VxWorks 6.6
830112	Dell EMC Networking N3224P-ON, 6.6.3.14, Linux 4.15.18-2ac8b3ec Huawei AP5030DN Huawei Versatile Routing Platform Software VRP (R) software, Version 5.170 (AP5030DN V200R010C00SPCd00) Dell EMC Networking OS10 Enterprise.
833731	Huawei AR129CGVW-L Huawei Versatile Routing Platform Software VRP S6720-56C-PWH-SI-AC Huawei Versatile Routing Platform Software VRP Dell Networking N1524P S5735-L24P4X-A1 Huawei Versatile Routing Platform Software VRP

Version 9.4.0

Ticket #	Vendor
765568	Add support for Huawei AR550E router/switch
765569	Add support for DIGI cellular routers
779607	Add Device support from set mapping emails (2 models)
781634	Add Device support from set mapping emails (Huawei S5700-52P-LI-AC)
787686	S5735-L48T4S-A1 Huawei Versatile Routing Platform Software VRP (R) software CBS350-48P-4X 48-Port Gigabit PoE Stackable Managed Switch with 10G Uplinks CBS350-48P-4G 48-Port Gigabit PoE Managed Switch CBS350-8P-E-2G 8-Port Gigabit PoE Managed Switch

Ticket #	Vendor
	CBS350-24T-4X 24-Port Gigabit Stackable Managed Switch with 10G Uplinks Linux Lethe 2.6.18-92cpx86_64 1 SMP Mon Oct 8 10:34:42 IDT 2018 x86_64 Juniper Networks, Inc. srx380-poe-ac internet router, kernel JUNOS 20.4R3-S1.3 S5735-L8P4S-A1 Huawei Versatile Routing Platform Software VRP (R) software Fortigate fwf51E Quidway S9712 Huawei Versatile Routing Platform Software VRP (R) Software Brocade Communications Systems, Inc. FastIron SX 1600 CCB 1st Sessions Court FS108F Meraki MR36H Cloud Managed AP
789282	Add support for Extreme Campus Controller WLC
792686	Huawei AR129CGVW-L Huawei Versatile Routing Platform Software VRP (R) software Cisco NX-OS(tm) nxos.9.3.7.bin, Software (nxos) Juniper Networks, Inc. ex4400-24p Ethernet Switch, kernel JUNOS 21.1R1.11 Aruba R8N85A 6000 48G CL4 4SFP Swch PL.10.09.1000 Aruba Instant On 1930 8G 2SFP Switch JL680A, InstantOn_1930_1.0.5.0 (139) IE1000 Industrial Ethernet Switch, Version: 1.7.0#2018-05-02T18:19:37+00:00
796633	fortigate Cisco IOS Software, C1000 Software (C1000-UNIVERSALK9-M), Version 15.2(7)E4 Aruba R8N87A 6000 24G CL4 4SFP Swch PL.10.08.1010 Meraki MS355-48X2 Cloud Managed Switch Dell EMC Networking OS10 Enterprise.S5224F-ON
801676	HPE Comware Platform Software, Software Version 7.1.070, Release 6327 SG350XG-24F 24-Port 10G SFP+ Stackable Managed Switch SG300-28SFP 28-Port Gigabit Managed SFP Switch Linux PA-Mac-Ops-BCKPF-S 4.14.76-release-1.3.0 1 SMP Aruba JL725A 6200F 24G CL4 4SFP+370W Swch ML.10.09.1000 Cisco IOS Software [Cupertino], ISR Software (ARMV8EL_LINUX_IOSD-UNIVERSALK9-M), Version 17.7.1a Cisco Sx220 Series Switch Software, Version 1.1.3.1 CBS350-24P-4G 24-Port Gigabit PoE Managed Switch Firewall OCI Unimedsc

Ticket #	Vendor
	Palo Alto Networks VM-Series firewall Canton-Firewall
783982	S5720-12TP-LI-AC S5720-36PC-EI-AC S5720S-52P-SI-AC S5700-10P-PWR-LI-AC
786422	ArubaOS (MODEL: 565), Version 8.7.1.8-8.7.1.8
790006	Netgear S4300 and S3300 Switches
792592	FortiFone X80
566257	Support for Huawei AC6605 wireless controller

System Update Settings

Field	Definition
Host	Set to fnac-updates.fortinet.net
Auto-Definition Directory	Keep the current value.
Product Distribution Directory	Set to Version_9_4
Agent Distribution Directory	Keep the current value.
User	Set to updates (in lowercase)
Password	Keep the current value.
Protocol	Set to desired protocol (FTP, PFTP, HTTP, HTTPS) Note: SFTP has been deprecated and connections will fail using this option. SFTP will be removed from the drop down menu in a later release.

Numbering Conventions

Fortinet is using the following version number format:

<First Number>.<Second Number>.<Third Number>.<Fourth Number>

Example: 8.0.6.15

- First Number = major version
 - Second Number = minor version
 - Third Number = maintenance version
 - Fourth Number = build version
-
- Release Notes pertain to a certain version of the product. Release Notes are revised as needed. The Rev letter increments accordingly. For example, updating the Release Notes from Rev C to Rev D indicates changes in the Release notes only -- no changes were made to the product.
 - The next number represents the version in which a Known Anomaly was added to the release notes (for example, V8.0).



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