



# FortiNAC - Agent Release Notes

Version 5.2.1

**FORTINET DOCUMENT LIBRARY**

<https://docs.fortinet.com>

**FORTINET VIDEO GUIDE**

<https://video.fortinet.com>

**FORTINET BLOG**

<https://blog.fortinet.com>

**CUSTOMER SERVICE & SUPPORT**

<https://support.fortinet.com>

**FORTINET TRAINING & CERTIFICATION PROGRAM**

<https://www.fortinet.com/support-and-training/training.html>

**NSE INSTITUTE**

<https://training.fortinet.com>

**FORTIGUARD CENTER**

<https://fortiguard.com/>

**END USER LICENSE AGREEMENT**

<https://www.fortinet.com/doc/legal/EULA.pdf>

**FEEDBACK**

Email: [techdoc@fortinet.com](mailto:techdoc@fortinet.com)



October 4, 2019

FortiNAC 5.2.1 Agent Release Notes

49-521-587638-20191004

---

## TABLE OF CONTENTS

<b>Overview of Version 5.2.1</b>	<b>4</b>
Supplemental Documentation	4
Version Information	4
Download Size	4
System Requirements	5
<b>Compatibility</b>	<b>6</b>
<b>New Features</b>	<b>7</b>
<b>Enhancements/Addressed Issues</b>	<b>8</b>
<b>Linux Agent Features Not Yet Supported</b>	<b>9</b>
<b>Features No Longer Supported</b>	<b>10</b>
<b>Upgrade Considerations</b>	<b>11</b>
<b>Upgrade Instructions</b>	<b>12</b>
Configure System Update Settings	12
Download Agent Software	12
Upgrading Agent Software	13
<b>Numbering Conventions</b>	<b>14</b>

# Overview of Version 5.2.1

- [Supplemental Documentation](#)
- [Version Information](#)
- [Download Size](#)
- [System Requirements](#)

## Supplemental Documentation

The following can be found in Fortinet Document Library under [FortiNAC Release Information](#):

**FortiNAC Known Anomalies**

**FortiNAC Release Matrix**

## Version Information

These Release Notes contain additional Enhancements for this FortiNAC Agent Version. Unique numbering is used for the various components of the product. The Agent version supplied with this release is listed below.

**Agent Version:** 5.2.1

## Download Size

Name	Operating System	File	Size
FortiNAC Dissolvable Agent	Linux (x86_64)	FortiNAC_Dissolvable_Agent.bin	7389 KiB
FortiNAC Dissolvable Agent	Mac-OS-X	FortiNAC Dissolvable Agent.dmg	6937 KiB
FortiNAC Dissolvable Agent	Windows	FortiNAC Dissolvable Agent.exe	2959 KiB
FortiNAC Mobile Agent	Android	FortiNAC Mobile Agent.apk	2371 KiB
FortiNAC Mobile Agent (Store)	Android	FortiNAC Mobile Agent (Store)	2371 KiB
FortiNAC Passive Agent	Windows	FortiNAC_Passive_Agent.exe	2397 KiB

Name	Operating System	File	Size
FortiNAC Persistent Agent (deb)	Linux (x86_64)	bni-persistent-agent_5.1.1.2-1.amd64.deb	10503 KiB
FortiNAC Persistent Agent (dmg)	Mac-OS-X	FortiNAC Persistent Agent.dmg	10123 KiB
FortiNAC Persistent Agent (exe)	Windows	FortiNAC Persistent Agent.exe	5737 KiB
FortiNAC Persistent Agent (msi)	Windows	FortiNAC Persistent Agent.msi	5618 KiB
FortiNAC Persistent Agent (rpm)	linux (x86_64)	bni-persistent-agent-5.1.1.2-1.x86_64.rpm	10510 KiB

## System Requirements

The following are the requirements for hosts to be able to install the agent:

- 2.0 GHz 64-bit processor, dual core (or two virtual CPUs)
- 4 GB RAM
- 40 MB free hard disk
- Internet access

## Compatibility

The chart below lists the versions of FortiNAC and operating systems currently supported and tested with 5.2.1. Other FortiNAC versions and operating systems may work, but are not guaranteed.

Agent	FortiNAC Version	Operating System
Windows Dissolvable Agent Windows Persistent Agent	8.5 and higher	Windows Server 2008, 2008R2, 2012, 2012R2, 2016 Windows 7 Windows 8.1 Windows 10
macOS Dissolvable Agent macOS Persistent Agent	8.5 and higher	OS X Mavericks (10.9) OS X Yosemite (10.10) OS X El Capitan (10.11) macOS Sierra (10.12) macOS High Sierra (10.13) macOS Catalina (10.15)
iOS Mobile Agent	<b>No longer supported</b>	
Linux Dissolvable Agent Linux Persistent Agent	8.5 and higher	Operating System: x86-64 Linux Distribution: Fedora, CentOS, RHEL, Debian, Ubuntu (not supported on 32-bit systems) *compatibility on all distributions is not guaranteed
Android Mobile Agent	8.5 and higher	Android 4.1 and higher

## New Features

### Version 5.2.1

Case #	Description
	There are no new features in this version.

## Enhancements/Addressed Issues

Fortinet Agent Packages contain all of the files required by the FortiNAC server for each agent and the latest version of each agent type, such as the Persistent Agent or the Dissolvable Agent. In some cases, agents cannot be distributed directly from FortiNAC, such as the Android Mobile Agent which must be distributed through Play Store. However, those agents do require supporting files on the FortiNAC server.

**NOTE:** It is recommended that you use the most recent version of the Agent, whenever possible, to take advantage of the latest features and updates to the Agent software.

**NOTE:** Any agent version prior to 3.1.5 is not forward compatible with a certificate signed with SHA2 RSA Encryption. If you have Persistent Agent versions 3.0 - 3.1.4 deployed, do not update to a SHA2 Certificate until the legacy agents are upgraded to a newer version.

Unless otherwise specified, enhancements apply to all types of agents. These Enhancements are in addition to the Enhancements that are outlined in previous releases. For previous versions, refer to the Release Matrix document in the Resource Center on the Fortinet web site.

Ticket #	Description (5.2.1)
	During scan, if Operating System checks fail, the agent will complete scanning for all categories (OS, AV, and Custom). This provides a single scan result for all Passed and Failed checks.
3483424 3517724	Added 64-bit FortiNAC Agent Uninstaller for MAC



## Linux Agent Features Not Yet Supported

The following items are not supported by Linux Agent version 3.4 through 5.2.

Ability to Update the Persistent Agent to future versions.

Ability to configure the Persistent Agent to uninstall at the specified Expiration Date.

Supplicant EasyConnect.

System Tray Icon for Desktop Environments (DE's) that are not XEmbed-based. For example, the system tray icon will not be displayed on DE's such as Ubuntu 14.04 with Unity DE and Kubuntu 15.04 with KDE 5.x.



The system tray icon will be displayed on DE's such as Linux Mint 17 with Cinnamon, Fedora 21 with Gnome 2 or Gnome 3, Ubuntu 14.04 with KDE 4.x, Debian 7 with Xfce 4 and Lubuntu 14.04 with LXDE (and others which are XEmbed-based.)

---

## Features No Longer Supported

Case #	Description
00028024 00029418	<p><b>Operating Systems:</b> Clients with these Operating Systems are no longer supported:</p> <p>Windows 98</p> <p>Windows Me</p> <p>Mac OS X 10.1, 10.2, 10.3.</p> <p>Mac OS X 10.5 is not supported for use with Agent Version 2.2.6 and higher.</p>
	<p><b>Apple iOS Mobile Agent:</b> Not supported on FortiNAC appliances running CentOS 7. CentOS 7 introduced changes to files the iOS Mobile Agent uses that prevent communication from working.</p> <p>The iOS Mobile Agent will no longer be available for download from the Apple Store starting November 15, 2017. This is following the End of Support announcement posted June 2017.</p> <p><b>Workaround:</b> Use Captive Portal to register iOS Mobile devices. This requires editing applicable Endpoint Compliance Policies to no longer distribute the iOS Mobile Agent.</p>

# Upgrade Considerations

Case #	Description
	<b>Agents Communicating with SSLv3:</b> FortiNAC versions 6.2.6, 7.0.3, 7.1.0, and 7.2.0 use SSLv3 to communicate with 3.x agents earlier than version 3.3. When you have replaced all of your 3.2.x, 3.1.x and 3.0.x agents with the 3.3 agent (or higher), FortiNAC 6.2.6, 7.0.3 and 7.1.1 can be configured to disable SSLv3 agent communications - thus completely removing the vulnerability for "POODLE" (CVE-2014-3566.) Contact Product Support for details and assistance.
	<b>AV/AS Definitions:</b> Using the "Cert-Check" and "Service" Custom Scans that are new in the 7.3.0 release of FortiNAC requires the use of AV/AS Definitions published June 22, 2015 or greater, Agent 3.5.0 or greater and FortiNAC 7.3 or greater.
	<b>Endpoint Compliance:</b> Added Legacy Dissolvable and Legacy Persistent Agent options in Endpoint Compliance Configurations. These options allow you to deploy the latest agent that does not require certificates. Agents that do not require certificates are the 2.X Persistent and Dissolvable Agents and the 3.0.X Dissolvable Agent. If you choose Latest Agent, the Agent on your server with the highest version number is deployed. This could be an agent that requires a certificate. On upgrade the Persistent or Dissolvable Agent options that were set to Latest Agent will now be set to Legacy Agent.
	<b>Operating System Case:</b> Agent V3.0 and higher requires Mac OS X 10.6 or higher.
	<b>Persistent Agent Case:</b> Changed VMs running on LINUX hosts to show as new rogues. Previously, the VM would be appended to the host's adapters as a Virtual-Guest adapter.

# Upgrade Instructions

This procedure describes how to download the agent package to your Network Sentry server for distribution.

- [Configure System Update Settings](#)
- [Download Agent Software](#)
- [Upgrading Agent Software](#)

## Configure System Update Settings

1. In the Network Sentry Administrative UI, navigate to System > Settings > Updates > System.
2. Update the appropriate fields to configure connection settings for the download server.

Field	Definition
Host*	Set to <code>updates.bradfordnetworks.com</code>
Auto-Definition Directory	Enter a dot (.) This field is not used for the Agent download in this version.
Product Distribution Directory or Agent Distribution Directory:	Specify: <code>./Agent_5</code> (dot slash Agent_5)
User	Set to <code>updates</code> (in lowercase)
Password	Keep the current value
Confirm password	Keep the current value
Protocol	Set to desired protocol (FTP, PFTP, HTTP, HTTPS) <sup>1</sup>

3. When the download settings have been entered, click **Save Settings**

## Download Agent Software

1. From the tree on the left select Updates > Agent Packages.
2. Scroll to the bottom of the page and click the Download button to display a list of available agent packages.
3. Click the Download button next to an agent package to initiate the download. A progress page is displayed until the download is complete.

---

<sup>1</sup>downloads.bradfordnetworks.com will no longer be used as of January 31st, 2018. With the change in server locations, SFTP will no longer be supported for downloads.

## Upgrading Agent Software

It is recommended to upgrade the agent using the same method as deployment.

### **Software Management System or Group Policy**

When using Group Policies, add the new agent package and list it as an upgrade to the previous versions. Ensure any previous package referenced by the GPO remains in place until all hosts have successfully moved off that version. For assistance, consult vendor documentation.

### **FortiNAC Captive Portal**

For Persistent Agents distributed via the Captive Portal, consult the Online Help topic Upgrade The Persistent Agent for agent upgrade instructions.

# Numbering Conventions

Fortinet uses 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 number (internal tracking use only)

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).



**FORTINET®**



Copyright© 2020 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.