

SonicWall® Directory Connector with SSO Agent 4.1.19

Release Notes

December 2020

These release notes provide information about the SonicWall® Directory Connector with SSO Agent 4.1.19 release.

Topics:

- [About Directory Connector 4.1.19](#)
- [Supported Platforms](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [Product Licensing](#)
- [SonicWall Support](#)

About Directory Connector 4.1.19

SonicWall Directory Connector with SSO Agent 4.1.19 is a maintenance release that fixes a number of issues found in previous releases, including a potential vulnerability. See [Resolved Issues](#) for more information.

This release provides the same features and contains all the resolved issues that were included in previous releases of Directory Connector. For more information, see the previous release notes, available on MySonicWall.

Directory Connector includes the SonicWall Single Sign-On Agent (SSO Agent), which provides centralized user identification to SonicWall network security appliances, interacting with the SonicOS and SonicOSX Single Sign-On feature. Directory Connector supports Microsoft Active Directory and Novell eDirectory.

Supported Platforms

Topics:

- [SSO Agent Platform Compatibility](#)
- [Virtual Environment Compatibility](#)
- [SonicWall Appliance / Firmware Compatibility](#)
- [Exchange Server Compatibility](#)
- [Domain Controller Server Compatibility](#)
- [Novell eDirectory Server Compatibility](#)

- [Terminal Server Compatibility](#)
- [Client Compatibility](#)

SSO Agent Platform Compatibility

NOTE: For best performance, SonicWall recommends installing the SSO Agent on a dedicated system.

Supported Windows Platforms

On Windows, SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for installation on 32-bit and 64-bit servers running the following operating systems:

- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows Server 2008

Supported Linux Platforms

On Linux, SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for installation on 64-bit platforms running the following operating systems:

- CentOS 6
- CentOS 7
- Ubuntu 14.04
- Ubuntu 16.04
- Redhat 6
- Redhat 7

.NET Framework Compatibility

On all Windows 32-bit and 64-bit servers, a .NET Framework must be installed. The following version of .NET Framework is supported:

- .NET Framework 4.5

Virtual Environment Compatibility

Recommended virtual environments for Directory Services Connector include:

- VMware ESXi 6.7
- VMware ESXi 6.5
- VMware ESXi 6.0
- VMware ESXi 5.x
- VMware ESX 4.x
- Microsoft Hyper-V on Windows Server 2016
- Microsoft Hyper-V on Windows Server 2012 R2
- Microsoft Hyper-V on Windows Server 2008 R2

Virtual Machine host configuration requirements:

Windows Server (32-bit / 64-bit)	CPU	Memory
2016	Intel Xenon (4 processors)	4 GB
2012 / 2012 R2		
2008 / 2008 R2		

SonicWall Appliance / Firmware Compatibility

Directory Connector 4.1.19 is supported with the following SonicWall appliances and firmware versions:

Supported Platforms	Minimum Supported Firmware Version
NSv 270/470/870	SonicOSX 7.0.0
NSv 10/25/50/100/200/300/400/800/1600	SonicOS 6.5.4.v
TZ270/270W / TZ370/370W / TZ470/470W / TZ570/570W/570P, TZ670	SonicOS 7.0.0
TZ350 / TZ350W / SOHO 250 / SOHO 250W	SonicOS 6.5.4
TZ600P / TZ300P	SonicOS 6.5.4
NSa 6650 / 9250 / 9450 / 9650	SonicOS 6.5.2
NSa 3650 / 4650 / 5650	SonicOS 6.5.1
NSa 2650	SonicOS 6.5.0
NSsp 15700	SonicOSX 7.0.0
NSsp 12400 / 12800	SonicOS 6.4
SuperMassive™ 9800	SonicOS 6.2.7.7
TZ300W / TZ400W / TZ500W / SOHO W	SonicOS 6.2.4
TZ300 / TZ400 / TZ500 / TZ600	SonicOS 6.2.3
NSA 2600 / 3600 / 4600 / 5600 / 6600	SonicOS 6.1
SuperMassive™ 9200 / 9400 / 9600	SonicOS 6.1
SuperMassive™ E10200 / E10400 / E10800	SonicOS 6.0
SOHO	SonicOS 5.9.1.3
NSA 220 / 220W / 250M / 250MW	SonicOS 5.8.1
TZ 215 / 215W / 205 / 205W / 105 / 105W	SonicOS 5.8.1
TZ 210 / 210W / 200 / 200W / 100 / 100W	SonicOS 5.0
NSA 240 / 2400 / 3500 / 4500 / 5000	SonicOS 5.0
NSA E-Class E5500 / E6500 / E7500 / E8500 / E8510	SonicOS 5.0
TZ 190 / 190W / 180 / 180W	SonicOS 4.0
PRO 2040 / 3060 / 4060 / 4100 / 5060	SonicOS 4.0

 **NOTE:** SonicOS 5.5 or newer is required for Novell eDirectory Support.

Exchange Server Compatibility

SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for use with the following version of Exchange server:

- Exchange server 2016
- Exchange server 2013
- Exchange server 2010

Domain Controller Server Compatibility

SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for use with domain controllers running the following Microsoft Windows operating systems:

- Windows Server 2019 – 64-bit
- Windows Server 2016 – 64-bit
- Windows Server 2012 R2 – 64-bit
- Windows Server 2012 – 64-bit
- Windows Server 2008 R2 – 64-bit

Novell eDirectory Server Compatibility

SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for use with the following Novell eDirectory versions:

- eDirectory 9.1
- eDirectory 8.8

Terminal Server Compatibility

SonicWall Directory Connector with SSO Agent 4.1.19 software is supported for use with the following platforms configured as Terminal Servers:

- Windows Server 2016 64-bit
- Windows Server 2012 R2 64-bit
- Windows Server 2012 64-bit
- Windows Server 2008 R2 64-bit

Client Compatibility

Directory Connector 4.1.19 is compatible with the following client operating systems on 32-bit and 64-bit platforms for the purpose of determining the logged in user name and other information necessary for user authentication:

- Windows 10
- Windows 8
- Windows 7

Resolved Issues

This section provides a list of resolved issues in this release.

Configuration Tool

Resolved issue	Issue ID
On a non-domain client such as a Windows 10 client, when the user upgrades their SSO Agent, the configuration like Domain Controllers, Exchange servers is not preserved. Generally occurs when the user tries to install SSO Agent with a limited-privilege account.	222410
Attempting to configure a valid non-administrator account in the Service Management page fails upon clicking Accept and displays the error message, "failed".	ENGR-843

SSO Agent

Resolved issue	Issue ID
The SSO Agent service stops unexpectedly on Windows Server 2019. Occurs when using two LDAP servers. The primary server shows connected, but after adding the secondary server, the SSO Agent service sometimes stops working.	ENGR-627
The SSO Agent service occasionally stops unexpectedly on Windows Server 2012 R2.	ENGR-798
The SSO Agent service stops unexpectedly after entering invalid account data in the Service Management page and then clicking Accept.	ENGR-844

Vulnerability

Resolved issue	Issue ID
Previous 4.1.x versions of the SonicWall SSO Agent are potentially vulnerable to a forced authentication vulnerability.	ENGR-789

Known Issues

This section provides a list of known issues in this release.

Configuration Tool

Known issue	Issue ID
If domain user, <i>user1</i> , logs into a client and then initiates an RDP connection to another destination using domain user, <i>user2</i> , as the credentials, <i>user1</i> is replaced by <i>user2</i> in the Users and Hosts screen of the Directory Connector Configuration Tool. Occurs in a Windows farm environment with IP Virtualization enabled and using DHCP as the IP pool provider, when specifying the destination of the RDP connection by the farm name rather than by the IP address.	196023
The Users and Hosts screen in Directory Services Connector often displays the information of the last logon user rather than the current user's information. Also, the last logon user is displayed with the wrong domain. Occurs when two domain controllers are added in the SSO Agent, one with a domain name (domain.com) and the other with a subdomain name (sub.domain.com). Both are in Server Session mode. The first client logon is displayed correctly, but subsequent logons by a subdomain user are incorrectly displayed with the domain, not the subdomain, and sometimes show the previous logon user name.	148858

Configuration Tool

Known issue	Issue ID
<p>Webmail users are deleted from the Users and Hosts table after two hours even when sending and receiving emails every 15 minutes. After the user is deleted, the SSO Agent sometimes does not detect the user logging in again.</p> <p>Occurs when the SSO Agent does not receive a login event during the two hours and clears the user from the cache after the default cache duration of two hours. When the user logs in again, there are still no login events in the Exchange security log and the SSO Agent does not detect the user login.</p>	149608

Installation

Known issue	Issue ID
<p>On Windows, when viewing desktop icons as large icons, the SSO agent icon is does not have full pixels.</p>	186662

SSO Agent

Known issue	Issue ID
<p>An error message is displayed when the administrator tries to save a service logon user in the Service Management page in the Directory Connector Configuration Tool if that user was already added to the Log on As a Service policy. Directory Connector cannot save the configuration and cannot start the SSO Agent service successfully.</p> <p>Occurs on Windows Server 2008 or 2012 R2. When a user account is added into the Log on As a Service policy , a dialog box with the message “The account xxx\xxx has been granted the Log On As A Service” is displayed when trying to start the SSO Agent service with this user account, which can prevent the SSO Agent service from starting.</p> <p>Workaround: Log into this account manually in <code>services.msc</code> and trigger the dialog with the message. After the dialog is triggered once, this account can be used successfully by the SSO Agent.</p>	ENGR-847
<p>User login information not getting updated, impacting Syslog user reports.</p> <p>Occurs in Windows Service.</p>	221921
<p>User logoff is not detected when the user was logged in on a server (Windows Server), but logoff can be detected when the user was logged in on a client machine, such as a Windows 10 client.</p>	218049
<p>SSO Agent appears to cause a system performance problem and stops identifying users. The server becomes very slow to process RDP logins. The Configuration Tool sometimes stops working.</p> <p>Occurs when the SSO Agent 2018-11-15 4.1.7 hotfix is installed and is left running for a period of time.</p>	216280
<p>The Linux SSO Agent sometimes cannot be restarted normally.</p> <p>Occurs after using WMI or NetAPI to authenticate about 10,000 users, but not always.</p>	196223
<p>Server sessions may return incorrect user information when logging in users through a client.</p> <p>Occurs when using server session and a local administrator logs out of a domain PC as say Sub1 and another user logs in to the same PC later as Sub2. The previous local admin user name (Sub1) is still returned by the session server query.</p>	149533
<p>Log off notifications are not available for certain client machines.</p> <p>Occurs when using Linux client machines. SSO Agents are unable to detect log off/power off information from Linux clients.</p>	149546

Product Licensing

SonicWall Directory Connector with SSO Agent is included with your SonicOS/X license and SonicWall network security appliance. SonicWall network security platforms must be registered on MySonicWall to enable full functionality and the benefits of SonicWall security services, firmware updates, and technical support. Log in or register for a MySonicWall account at <https://mysonicwall.com>.

SonicWall Support

Technical support is available to customers who have purchased SonicWall products with a valid maintenance contract.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. To access the Support Portal, go to <https://www.sonicswall.com/support>.

The Support Portal enables you to:

- View knowledge base articles and technical documentation
- View and participate in the Community forum discussions at <https://community.sonicswall.com/technology-and-support>.
- View video tutorials
- Access MySonicWall
- Learn about SonicWall professional services
- Review SonicWall Support services and warranty information
- Register for training and certification
- Request technical support or customer service

To contact SonicWall Support, visit <https://www.sonicswall.com/support/contact-support>.

Copyright © 2020 SonicWall Inc. All rights reserved.

This product is protected by U.S. and international copyright and intellectual property laws. SonicWall is a trademark or registered trademark of SonicWall Inc. and/or its affiliates in the U.S.A. and/or other countries. All other trademarks and registered trademarks are property of their respective owners.

The information in this document is provided in connection with SonicWall Inc. and/or its affiliates' products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of SonicWall products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, SONICWALL AND/OR ITS AFFILIATES ASSUME NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON- INFRINGEMENT. IN NO EVENT SHALL SONICWALL AND/OR ITS AFFILIATES BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF SONICWALL AND/OR ITS AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SonicWall and/or its affiliates make no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserve the right to make changes to specifications and product descriptions at any time without notice. SonicWall Inc. and/or its affiliates do not make any commitment to update the information contained in this document.

For more information, visit <https://www.sonicwall.com/legal>.

To view the SonicWall End User Product Agreement, go to: <https://www.sonicwall.com/legal/end-user-product-agreements>.

Legend



WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.



CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

Last updated: 12/18/20

232-005558-00 Rev A