

Centrify Infrastructure Services 19.9 Release Notes

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1. About This Release

The Centrify Zero Trust Privilege Services (previously called Centrify Infrastructure Services, or Centrify Server Suite) is an integrated family of directory-based authentication, privileged access, privileged elevation, audit & monitoring solutions that secure your cross-platform environment and strengthen regulatory compliance initiatives.

It is consisted of the following components:

- Privileged Access Service enables you to centrally manage account passwords, secrets, and access rules for both privileged and unprivileged accounts.

- Gateway Session Audit & Monitoring is a subset of features in the Audit and Monitoring service that allows you to audit systems that your users log in to from the Admin Portal.
- Authentication Service secures your platforms using the same authentication and Group Policy services deployed for your Windows environment.
- Privilege Elevation Service centrally manages and enforces role-based entitlements for fine-grained control of user access and privileges on UNIX, Linux and Windows systems.
- Audit & Monitoring Service delivers auditing, logging and real-time monitoring of user activity on your Windows, UNIX and Linux system.

This integrated solution helps you improve IT efficiency, strengthen regulatory compliance initiatives, and centrally secure your heterogeneous computing environment.

Please go to the online documentation center, <http://docs.centrixy.com>, for the latest copies of release notes and documents. E.g.

- for Privileged Access Service release notes, see <https://docs.centrixy.com/en/cloud-release-notes/>
- for Authentication Service, Privilege Elevation Service, and Audit & Monitoring Service release notes, see <https://docs.centrixy.com/Content/02-centrifynav/other-links/DOC-archive.htm>

This release notes cover information about Centrixy Infrastructure Services (or specifically Authentication Service, Privilege Elevation Service, and Audit & Monitoring Service).

Centrixy software is protected by U.S. Patents 7,591,005; 8,024,360; 8,321,523; 9,015,103; 9,112,846; 9,197,670; 9,378,391 and 9,442,962. (Ref: CS-44575)

2. Media

The Centrixy Infrastructure Services releases usually include packages for Windows, UNIX, and Linux operating system environments.

The files for this Centrixy Infrastructure Services release are organized onto two media, each available in ISO and zip form:

a) Centrixy Infrastructure Services for 64-bit Windows

- <root> folder
This is the main folder containing information pertinent to this release.
 - o readme.txt provides a summary of where to find files in a plain text format.

- o Copyright.txt and Acknowledgements.txt provide copyright information and legal notices for third party and open source software used in Centrify Infrastructure Services.
- o Centrify-end-user-license-agreement.txt provides the text of the license agreement displayed during installation.
- o This file, Centrify-Infrastructure-Services-Release-Notes.html, provides a formatted and printable version of the Release Notes.
- o autorun.inf controls the autorun program, autorun.exe, on Windows computers.

The following are sub-folders that are organized to provide you access to different software components in the Centrify Infrastructure Services.

- Agent folder
This folder contains the installer packages for installing Centrify Agent for Windows on Windows computers.
- Common folder
This folder contains the installer packages for common components necessary for all Centrify products on Windows computers.
- DirectAudit folder
This folder contains the installer packages for Centrify Audit & Monitoring Service on Windows computers.
- DirectManage folder
This folder contains the installer packages for Centrify Authentication Service and Centrify Privilege Elevation Service on Windows computers.
- Documentation folder
This folder contains the documentation set as well as release note files for Centrify Infrastructure Services.
Note: You need Adobe Acrobat Reader to view and print the documentation. The release notes are in HTML format.
- LicensingService Folder
This folder contains the installer packages for Centrify Licensing Service utilities on Windows computers.
- Resources Folder
This folder contains resources for internal use for the media. It can be safely ignored.

b) Centrify Agents for UNIX/Linux

This image contains a zipped bundle of files for Centrify agent on each supported UNIX, or Linux platform and an adcheck utility for each supported platform.

You may find the appropriate bundle for an OS platform based on the following table:

| Bundle Name | Applicable OS Platforms in Specified Architecture |
|--|---|
| centrify-infrastructure-services-<release number>-aix7.1-ppc.tgz | IBM AIX, IBM VIOS |
| centrify-infrastructure-services-<release number>-coreos-x86_64.tgz | CoreOS, RHEL Atomic |
| centrify-infrastructure-services-<release number>-deb8-x86_64.tgz | Debian, Ubuntu |
| centrify-infrastructure-services-<release number>-deb9-ppc64el.tgz | Ubuntu |
| centrify-infrastructure-services-<release number>-hp11.31-ia64.tgz | HPUX |
| centrify-infrastructure-services-<release number>-hp11.31-pa.tgz | HPUX |
| centrify-infrastructure-services-<release number>-rhel5-ppc64.tgz | RHEL |
| centrify-infrastructure-services-<release number>-rhel5-x86_64.tgz | Amazon Linux, CentOS, Fedora, Oracle Linux, RHEL |
| centrify-infrastructure-services-<release number>-rhel7-ppc64le.tgz | RHEL |
| centrify-infrastructure-services-<release number>-sol10-sparc.tgz | Oracle Solaris |
| centrify-infrastructure-services-<release number>-sol10-x86.tgz | Oracle Solaris |
| centrify-infrastructure-services-<release number>-suse11-ppc64.tgz | SUSE |
| centrify-infrastructure-services-<release number>-suse11-x86_64.tgz | SUSE |
| centrify-infrastructure-services-<release number>-suse12-ppc64le.tgz | SUSE |

Note:

- The OS version number specified in the bundle name indicates the minimum OS version that it supports.
- You should also choose the appropriate bundle for the specific architecture as indicated in the bundle name.
- Inside each bundle, it contains packages of associated products supported on that platform. The naming convention follows the above bundle names except that the prefix of a package reflects the product it serves. The following are the possible package prefixes and the corresponding product names:

| Package Prefix | Product Name |
|----------------------|--|
| CentrifyDA | Centrify DirectAudit package |
| CentrifyDC | Centrify DirectControl package |
| CentrifyDC-cifsidmap | Centrify for CIFS ID mapping package |
| CentrifyDC-curl | Required component of Centrify DirectControl package |
| CentrifyDC-ldaproxy | Centrify OpenLDAP Proxy package |
| CentrifyDC-nis | Centrify Network Information Service and Centrify NIS Server package |
| CentrifyDC-openldap | Required component of Centrify DirectControl package |
| CentrifyDC-openssh | Centrify OpenSSH package |
| CentrifyDC-openssl | Required component of Centrify DirectControl package |

- Before installation, please review the Upgrade and Compatibility Guide and run the adcheck utility to make sure the environment is ready, especially if you are using native package manager to install.

3. Support Statement

The product lifecycle policy is described at www.centrify.com/product-lifecycle. You may find a table of products including version numbers and end-of-support dates there. The information is also listed below:

| Release | Release Date | End of Core Support | End of Extended Support |
|-------------------------------|----------------|---------------------|-------------------------|
| Agent for Windows | | | |
| Agent 3.6.1 | December 2019 | December 2022 | December 2024 |
| Agent 3.6.0 | August 2019 | August 2022 | August 2024 |
| Agent 3.5.2 | December 2018 | December 2021 | December 2023 |
| Agent 3.5.1 | August 2018 | August 2021 | August 2023 |
| Agent 3.4.3 | December 2017 | December 2020 | December 2022 |
| Agent 3.4.2 | September 2017 | September 2020 | September 2022 |
| Agent 3.4.1 | May 2017 | May 2020 | May 2022 |
| Agent 3.4.0 | February 2017 | February 2020 | February 2022 |
| Agent 3.3.1 – 3.3.2 | May 2016 | May 2019 | May 2021 |
| Agent 3.3.0 | December 2015 | December 2018 | December 2020 |
| Agent 3.2.3 | July 2015 | July 2018 | July 2020 |
| Agent 3.2.0 – 3.2.2 | January 2014 | January 2017 | January 2019 |
| Agent 3.1.0 – 3.1.3 | July 2013 | July 2016 | July 2018 |
| Agent 3.0.0 – 3.0.1 | January 2013 | January 2016 | January 2018 |
| Authentication Service | | | |
| DirectControl 5.6.1 | December 2019 | December 2022 | December 2024 |
| DirectControl 5.6.0 | August 2019 | August 2022 | August 2024 |
| DirectControl 5.5.3 | February 2019 | February 2022 | February 2024 |
| DirectControl 5.5.2 | December 2018 | December 2021 | December 2023 |
| DirectControl 5.5.1 | August 2018 | August 2021 | August 2023 |
| DirectControl 5.5.0 | April 2018 | April 2021 | April 2023 |
| DirectControl 5.4.3 | December 2017 | December 2020 | December 2022 |
| DirectControl 5.4.2 | September 2017 | September 2020 | September 2022 |
| DirectControl 5.4.1 | May 2017 | May 2020 | May 2022 |
| DirectControl 5.4.0 | February 2017 | February 2020 | February 2022 |
| DirectControl 5.3.1 | May 2016 | May 2019 | May 2021 |
| DirectControl 5.3.0 | December 2015 | December 2018 | December 2020 |
| DirectControl 5.2.3 | July 2015 | July 2018 | July 2020 |
| DirectControl 5.2.2 | February 2015 | February 2018 | February 2020 |
| DirectControl 5.2.0 – 5.2.1 | August 2014 | August 2017 | August 2019 |
| DirectControl 5.1.3 | January 2014 | January 2017 | January 2019 |
| DirectControl 5.1.1 – 5.1.2 | July 2013 | July 2016 | July 2018 |
| DirectControl 5.1.0 | January 2013 | January 2016 | January 2018 |
| DirectControl 5.0.5 | December 2012 | December 2015 | December 2017 |
| DirectControl 5.0.4 | September 2012 | September 2015 | September 2017 |
| DirectControl 5.0.0 – 5.0.3 | October 2011 | October 2014 | October 2016 |
| DirectControl 4.4.4 | May 2012 | May 2015 | May 2017 |
| DirectControl 4.4.x | January 2010 | January 2013 | January 2015 |
| DirectControl 4.3.x | May 2009 | May 2012 | May 2014 |
| DirectControl 4.2.x | December 2008 | December 2011 | December 2013 |
| DirectControl 4.x | October 2007 | October 2010 | October 2012 |
| DirectControl 3.x | April 2006 | April 2009 | April 2011 |
| DirectControl 2.x | September 2005 | September 2008 | September 2010 |

| | | | |
|---|----------------|----------------|----------------|
| DirectControl 1.x | March 2005 | March 2008 | March 2010 |
| Privilege Elevation Service | | | |
| DirectAuthorize 3.6.1 | December 2019 | December 2022 | December 2024 |
| DirectAuthorize 3.6.0 | August 2019 | August 2022 | August 2024 |
| DirectAuthorize 3.5.2 | December 2018 | December 2021 | December 2023 |
| DirectAuthorize 3.5.1 | August 2018 | August 2021 | August 2023 |
| DirectAuthorize 3.5.0 | April 2018 | April 2021 | April 2023 |
| DirectAuthorize 3.4.3 | December 2017 | December 2020 | December 2022 |
| DirectAuthorize 3.4.2 | September 2017 | September 2020 | September 2022 |
| DirectAuthorize 3.4.1 | May 2017 | May 2020 | May 2022 |
| DirectAuthorize 3.4.0 | February 2017 | February 2020 | February 2022 |
| DirectAuthorize 3.3.1 | May 2016 | May 2019 | May 2021 |
| DirectAuthroize 3.3.0 | December 2015 | December 2018 | December 2020 |
| DirectAuthorize 3.2.3 | July 2015 | July 2018 | July 2020 |
| DirectAuthorize 3.2.0 – 3.2.2 | January 2014 | January 2017 | January 2019 |
| DirectAuthorize 3.1.0 – 3.1.3 | July 2013 | July 2016 | July 2018 |
| DirectAuthorize 3.0.0 – 3.0.1 | January 2013 | January 2016 | January 2018 |
| DirectAuthorize 2.x | October 2011 | October 2014 | October 2016 |
| DirectAuthroize 1.2.1 | May 2012 | May 2015 | May 2017 |
| DirectAuthorize 1.2 | January 2010 | January 2013 | January 2015 |
| DirectAuthorize 1.x | December 2008 | October 2010 | October 2012 |
| Audit & Monitoring Service | | | |
| DirectAudit 3.6.1 | December 2019 | December 2022 | December 2024 |
| DirectAudit 3.6.0 | August 2019 | August 2022 | August 2024 |
| DirectAudit 3.5.2 | December 2018 | December 2021 | December 2023 |
| DirectAudit 3.5.1 | August 2018 | August 2021 | August 2023 |
| DirectAudit 3.5.0 | April 2018 | April 2021 | April 2023 |
| DirectAudit 3.4.3 | December 2017 | December 2020 | December 2022 |
| DirectAudit 3.4.2 | September 2017 | September 2020 | September 2022 |
| DirectAudit 3.4.1 | May 2017 | May 2020 | May 2022 |
| DirectAudit 3.4.0 | February 2017 | February 2020 | February 2022 |
| DirectAudit 3.3.1 | May 2016 | May 2019 | May 2021 |
| DirectAudit 3.3.0 | December 2015 | December 2018 | December 2020 |
| DirectAudit 3.2.3 | July 2015 | July 2018 | July 2020 |
| DirectAudit 3.2.0 – 3.2.2 | January 2014 | January 2017 | January 2019 |
| DirectAudit 3.1.0 – 3.1.3 | July 2013 | July 2016 | July 2018 |
| DirectAudit 3.0.0 – 3.0.1 | January 2013 | January 2016 | January 2018 |
| DirectAudit 2.x | October 2011 | October 2014 | October 2016 |
| DirectAudit 1.3.x | February 2011 | February 2014 | February 2016 |
| DirectAudit 1.1.x | July 2008 | July 2011 | July 2013 |
| DirectAudit 1.x | May 2007 | May 2010 | May 2012 |
| Isolation & Encryption Service | | | |
| DirectSecure 5.4.2 | October 2017 | October 2020 | October 2022 |
| DirectSecure 5.4.0 | March 2017 | March 2020 | March 2022 |
| DirectSecure 5.3.1 | August 2016 | August 2019 | August 2021 |
| DirectSecure 5.2.3 | August 2015 | August 2018 | August 2020 |
| DirectSecure 5.2.2 | May 2015 | May 2018 | May 2020 |
| DirectSecure 5.1.1 | August 2013 | August 2016 | August 2018 |
| DirectSecure 1.2.x | August 2011 | August 2014 | August 2016 |
| DirectSecure 1.x | May 2009 | May 2012 | May 2014 |
| Deployment Manager | | | |
| Deployment Manager 5.5.2 | December 2018 | December 2021 | December 2023 |
| Deployment Manager 5.5.1 | August 2018 | August 2021 | August 2023 |
| Deployment Manager 5.5.0 | April 2018 | April 2021 | April 2023 |

| | | | |
|---|----------------|----------------|----------------|
| Deployment Manager 5.4.3 | December 2017 | December 2020 | December 2022 |
| Deployment Manager 5.4.2 | September 2017 | September 2020 | September 2022 |
| Deployment Manager 5.4.1 | May 2017 | May 2020 | May 2022 |
| Deployment Manager 5.4.0 | February 2017 | February 2020 | February 2022 |
| Deployment Manager 5.3.1 | May 2016 | May 2019 | May 2021 |
| Deployment Manager 5.3.0 | December 2015 | December 2018 | December 2020 |
| Deployment Manager 5.2.3 | July 2015 | July 2018 | July 2020 |
| Deployment Manager 5.2.2 | February 2015 | February 2018 | February 2020 |
| Deployment Manager 5.2.0 | August 2014 | August 2017 | August 2019 |
| Deployment Manager 5.1.3 | January 2014 | January 2017 | January 2019 |
| Deployment Manager 5.1.0 – 5.1.2 | January 2013 | January 2016 | January 2018 |
| Deployment Manager 2.x | May 2011 | May 2014 | May 2016 |
| Deployment Manager 1.x | June 2010 | June 2013 | June 2015 |
| Zone Provisioning Agent | | | |
| ZPA 5.6.1 | December 2019 | December 2022 | December 2024 |
| ZPA 5.6.0 | August 2019 | August 2022 | August 2024 |
| ZPA 5.5.2 | December 2018 | December 2021 | December 2023 |
| ZPA 5.5.1 | August 2018 | August 2021 | August 2023 |
| ZPA 5.5.0 | April 2018 | April 2021 | April 2023 |
| ZPA 5.4.3 | December 2017 | December 2020 | December 2022 |
| ZPA 5.4.2 | September 2017 | September 2020 | September 2022 |
| ZPA 5.4.1 | May 2017 | May 2020 | May 2022 |
| ZPA 5.4.0 | February 2017 | February 2020 | February 2022 |
| ZPA 5.3.1 | May 2016 | May 2019 | May 2021 |
| ZPA 5.3.0 | December 2015 | December 2018 | December 2020 |
| ZPA 5.2.3 | July 2015 | July 2018 | July 2020 |
| ZPA 5.2.2 | February 2015 | February 2018 | February 2020 |
| ZPA 5.2.0 | August 2014 | August 2017 | August 2020 |
| ZPA 5.1.3 | January 2014 | January 2017 | January 2019 |
| ZPA 5.1.1 – 5.1.2 | July 2013 | July 2016 | July 2018 |
| ZPA 5.1.0 | January 2013 | January 2016 | January 2018 |
| ZPA 5.0.x | August 2011 | August 2014 | August 2016 |
| ZPA 1.x | February 2010 | February 2013 | February 2015 |
| Centrify OpenSSH | | | |
| OpenSSH 5.6.1 | December 2019 | December 2022 | December 2024 |
| OpenSSH 5.6.0 | August 2019 | August 2022 | August 2024 |
| OpenSSH 5.5.2 | December 2018 | December 2021 | December 2023 |
| OpenSSH 5.5.1 | August 2018 | August 2021 | August 2023 |
| OpenSSH 5.5.0 | April 2018 | April 2021 | April 2023 |
| OpenSSH 5.4.3 | December 2017 | December 2020 | December 2022 |
| OpenSSH 5.4.2 | September 2017 | September 2020 | September 2022 |
| OpenSSH 5.4.1 | May 2017 | May 2020 | May 2022 |
| OpenSSH 5.4.0 | February 2017 | February 2020 | February 2022 |
| OpenSSH 5.3.1 | May 2016 | May 2019 | May 2021 |
| OpenSSH 5.3.0 | December 2015 | December 2018 | December 2020 |
| OpenSSH 5.2.3 | July 2015 | July 2018 | July 2020 |
| OpenSSH 5.2.2 | February 2015 | February 2018 | February 2020 |
| OpenSSH 5.1.3 – 5.1.4 | January 2014 | January 2017 | January 2019 |
| OpenSSH 5.1.1 – 5.1.2 | July 2013 | July 2016 | July 2018 |
| OpenSSH 5.1.0 | January 2013 | January 2016 | January 2018 |
| OpenSSH 4.5.5 | December 2012 | December 2015 | December 2017 |
| OpenSSH 4.5.4 | September 2012 | September 2015 | September 2017 |
| OpenSSH 4.5.x | February 2011 | February 2014 | February 2016 |
| OpenSSH 4.3.x | January 2010 | January 2013 | January 2015 |

| | | | |
|------------------------------------|----------------|----------------|----------------|
| OpenSSH 4.1.x | September 2008 | September 2011 | September 2013 |
| OpenSSH 3.x | July 2006 | July 2009 | July 2011 |
| Centrify for Samba | | | |
| Samba Integration 5.5.2 | January 2019 | January 2022 | January 2024 |
| Samba Integration 5.5.0 | June 2018 | June 2021 | June 2023 |
| Samba Integration 5.4.3 | February 2018 | February 2021 | February 2023 |
| Samba Integration 5.4.0 | May 2017 | May 2020 | May 2022 |
| Samba Integration 5.3.0 | May 2016 | May 2019 | May 2021 |
| Centrify for DB2 | | | |
| DirectControl for DB2 5.4.0 | May 2017 | May 2020 | May 2022 |
| DirectControl for DB2 5.2.3 | August 2015 | August 2018 | August 2020 |
| DirectControl for DB2 4.5.0 | January 2015 | January 2018 | January 2020 |
| DirectControl for DB2 4.4.4 | August 2012 | August 2015 | August 2017 |
| DirectControl for DB2 4.1.x | June 2008 | June 2011 | June 2013 |
| Centrify PuTTY | | | |
| PuTTY 5.x-0.71 | August 2019 | August 2022 | August 2024 |
| PuTTY 5.x-0.70 | April 2018 | April 2021 | April 2023 |
| PuTTY 5.x-0.69 | September 2017 | September 2020 | September 2022 |
| PuTTY 5.x-0.67 | February 2017 | February 2020 | February 2022 |
| PuTTY 5.x-0.64 | July 2015 | July 2018 | July 2020 |
| PuTTY 5.x-0.63 | November 2013 | November 2016 | November 2018 |
| PuTTY 5.x-0.62 | July 2013 | July 2016 | July 2018 |
| PuTTY 3.x-0.60 | October 2007 | October 2010 | October 2012 |
| PuTTY 3.x-0.59 | July 2006 | July 2009 | July 2011 |
| Centrify Kerberos Tools | | | |
| Tools 5.1.0 | March 2013 | March 2016 | March 2018 |
| Tools 4.x | February 2009 | February 2012 | February 2014 |
| Tools 3.x | July 2006 | July 2009 | July 2011 |

Note:

- Deployment Manager, and Centrify Kerberos Tools, are discontinued and hence no more new releases are available. (Ref: CS-47626)
- Centrify DirectSecure will be deprecated in release 20.1. The last supported version of DirectSecure is version 5.4.2 (Release 2017.2). No new releases of DirectSecure will be available post 5.4.2 (2017.2) version.

4. Supported Platforms

a) Newly Added Supported Platforms

Support is added to the following operating system platforms in this release: (CS-48179)

- CentOS 7.7 (x86_64)
- CentOS 8.0 (x86_64)
- Debian 9.10, 9.11, 10.0, 10.1 (x86_64)
- Oracle Linux 7.7 (x86_64)
- Oracle Linux 8.0 (x86_64)
- Red Hat Enterprise Linux 7.7 (x86_64, PPC64, PPC64LE)
- Ubuntu Linux 19.10 (x86_64, PPC64EL)

b) Supported UNIX/Linux Platforms

| Supported Platforms | CPU | Express |
|---|---------|---------|
| Amazon Linux, Amazon Linux 2 LTS | x86_64 | Yes |
| CentOS 6.0-6.10, 7.0-7.7, 8.0 | x86_64 | Yes |
| CoreOS (latest) | x86_64 | No |
| Debian 8.0-8.11, 9.0-9.11, 10.0-10.1 | x86_64 | Yes |
| HP-UX 11.31 (Trusted and Untrusted) | Itanium | No |
| HP-UX 11.31 (Trusted and Untrusted) | PA-RISC | No |
| IBM AIX 7.1, 7.2 | ppc | No |
| IBM Virtual I/O Server 3.x | ppc | No |
| Oracle Linux 6.0-6.10, 7.0-7.7, 8.0 | x86_64 | Yes |
| Oracle Solaris 10, 11.0-11.4 | SPARC | No |
| Oracle Solaris 10, 11.0-11.4 | x86_64 | No |
| Red Hat Enterprise Linux Atomic Host (latest) | x86_64 | No |
| Red Hat Enterprise Linux 5.0-5.11, 6.0-6.10, 7.0-7.7, 8.0 | x86_64 | Yes |
| Red Hat Enterprise Linux 5.0-5.11, 6.0-6.10, 7.0-7.7 | ppc64 | Yes |
| Red Hat Enterprise Linux 7.1-7.7, 8.0 | ppc64le | Yes |
| Red Hat Enterprise Linux 5.2, 6.4, 7.2 | S390 | No |
| Red Hat Fedora Linux - N/A | x86_64 | Yes |
| SUSE Enterprise Linux 11 SP3 | S390 | No |
| SUSE Enterprise Linux 11 SP2+, 12, 15 | x86_64 | Yes |
| SUSE Enterprise Linux 11 SP2+ | ppc64 | Yes |
| SUSE Enterprise Linux 12, 15 | ppc64le | Yes |
| Ubuntu Linux 16.04, 18.04, 19.04, 19.10 | x86_64 | Yes |
| Ubuntu Linux 16.04, 18.04, 19.04, 19.10 | ppc64el | Yes |

Note 1: Please refer to Planning and Deployment Guide for features supported on this platform.

Note 2: Centrify supports IBM VIOS 2.x up to Release 18.11 via premium support only, and this support will be terminated 6 months after 19.6 GA. Customers are recommended to upgrade to IBM VIOS 3.x for support. (Ref: CS-47696)

Note 3: Smart Card is not supported on Red Hat Enterprise Linux 8.0 yet due to the underlying OS infrastructure changes. (Ref: CS-48087)

Note 4: Red Hat Fedora Linux 30, 31 (x86_64) are not supported yet due to a compatibility issue with Centrify OpenSSH and dzdo (Ref: CS-47897, CS-47892, CS-47895, CS-48376)

Additional information

You should follow the OS vendors' recommendation to update the necessary patches. Here are the minimum patch requirements for the specific UNIX platforms (Ref: CS-45562):

- (1) HPUX 11.31
 - a. PHNE_40225 - Cumulative Console and BSD Pty Patch (it is required for DirectAudit package)
- (2) Solaris 10 x86_64
 - a. 119255-66
 - b. 127128-11

- c. 141445-09
- d. 142910-17
- (3) Solaris 10 SPARC
 - a. 119254-66
 - b. 120011-14
 - c. 127127-11
 - d. 142909-17

c) Supported Windows Platforms

The following 64-bit Windows platforms are supported on Centrifify Infrastructure Services (Ref: CS-41961, CS-44928, CS-45826, CS-45661):

- Windows 7 SP1 (Note 1)
- Windows 8.1
- Windows 10 LTSC/LTSC (Note 2)
- Windows Server 2008R2 SP1 (Note 1)
- Windows Server 2012
- Windows Server 2012R2
- Windows Server 2016
- Windows Server 2019 LTSC
- Windows Server 2012 Core (Note 3)
- Windows Server 2012 Minimum Server Interface (Note 3)
- Windows Server 2012R2 Core (Note 3)
- Windows Server 2012R2 Minimum Server Interface (Note 3)

Note:

- (1) Centrifify Agent for Windows requires Microsoft Security Advisory 3033929 on these platforms.
- (2) We support Windows 10 Long Term Servicing Channel (LTSC), or previously called Long Term Servicing Branch (LTSB), editions based on Microsoft's lifecycle fact sheet <https://support.microsoft.com/en-us/help/13853/windows-lifecycle-fact-sheet>
- (3) Only the Privilege Elevation Service component of Centrifify Agent for Windows supports these platforms (Core and Minimum Server Interface).
- (4) Support for all 32-bit Windows platform was terminated in 2015 (Server Suite 2015.1)

To see all the supported platforms in the Centrifify Infrastructure Services for the latest releases, select "SEE ALL PLATFORM VERSIONS" in www.centrify.com/platforms.

Also note that Centrifify Infrastructure Services require specific versions of .NET to work. Please refer to the following table for the requirement:

| Release | Release Date | Minimum .NET Version | Installation Media Version |
|------------------------------|---------------|----------------------|----------------------------|
| Infrastructure Services 19.9 | December 2019 | 4.6.2 | --- |

| | | | |
|--------------------------------|----------------|-------|-------|
| Infrastructure Services 19.6 | August 2019 | 4.6.2 | --- |
| Infrastructure Services 18.11 | December 2018 | 4.6.2 | 4.6.2 |
| Infrastructure Services 18.8 | August 2018 | 4.6.2 | 4.6.2 |
| Infrastructure Services 2018 | April 2018 | 4.6.2 | 4.6.2 |
| Infrastructure Services 2017.3 | December 2017 | 4.5.2 | 4.5.2 |
| Infrastructure Services 2017.2 | September 2017 | 4.5.2 | 4.5.2 |
| Centrify Server Suite 2017.1 | May 2017 | 4.5 | 4.5.2 |
| Centrify Server Suite 2017 | February 2017 | 4.5 | 4.5.2 |
| Centrify Server Suite 2016.1 | May 2016 | 4.5 | 4.5.2 |
| Centrify Server Suite 2016 | December 2016 | 4.5 | 4.5.2 |

Note: We no longer bundle .NET in our installation media any more starting Release 19.6. (Ref: CS-47940)

5. Notice of Termination of Support

Support is removed from the following operating system platforms in this release (Ref: CS-48179):

- Fedora 29

This release is the last supported release for the following operating system platforms (Ref: CS-48179):

- Amazon Linux (2017-09)
- Debian 8.x
- Ubuntu 19.04
- Windows 2008R2
- Windows 7

Unless specially announced, we follow Operating System vendors' End of Life schedule. To check whether your platform is end of life, please refer to [Lifecycle Policy for Centrify Support of Operating Systems](#) for details. (Ref: CS-47010)

6. Security Advisories

Centrify has established product security policies documented in the web page, www.centrify.com/product-policy. You may also find the details of all the published security advisories there.

For component specific security fixes in this release, you may find them in the corresponding component release-notes.html files. Please refer to Section 7 for a description of individual release notes.

7. Centrify Infrastructure Services Product Component Version Table

| Release Version | General Release Date | Access Manager | DirectControl Agent | Centrify OpenSSH | Audit Manage |
|-----------------|----------------------|----------------|---------------------|------------------|--------------|
| 19.9 | December 2019 | 5.6.1 | 5.6.1 | 5.6.1 | 3.6.1 |
| 19.6 | August 2019 | 5.6.0 | 5.6.0 | 5.6.0 | 3.6.0 |
| 19.2 | February 2019 | 5.5.2 | 5.5.3 | 5.5.2 | 3.5.2 |
| 18.11 | December 2018 | 5.5.2 | 5.5.2 | 5.5.2 | 3.5.2 |
| 18.8 | August 2018 | 5.5.1 | 5.5.1 | 5.5.1 | 3.5.1 |
| 2018 | April 2018 | 5.5.0 | 5.5.0 | 5.5.0 | 3.5.0 |
| 2017.3 | December 2017 | 5.4.3 | 5.4.3 | 5.4.3 | 3.4.3 |
| 2017.2 | September 2017 | 5.4.2 | 5.4.2 | 5.4.2 | 3.4.2 |
| 2017.1 | May 2017 | 5.4.1 | 5.4.1 | 5.4.1 | 3.4.1 |
| 2017 | February 2017 | 5.4.0 | 5.4.0 | 5.4.0 | 3.4.0 |
| 2016.1 Update | August 2016 | 5.3.1 | 5.3.1 Update | 5.3.1 | 3.3.1 |
| 2016.1 | April 2016 | 5.3.1 | 5.3.1 | 5.3.1 | 3.3.1 |
| 2016 Update | March 2016 | 5.3.0 | 5.3.0 Update | 5.3.0 | 3.3.0 |
| 2016 | December 2015 | 5.3.0 | 5.3.0 | 5.3.0 | 3.3.0 |
| 2015.1 Update | March 2016 | 5.2.3 | 5.2.3 Update | 5.2.3 | 3.2.3 |
| 2015.1 | July 2015 | 5.2.3 | 5.2.3 | 5.2.3 | 3.2.3 |
| 2015 | February 2015 | 5.2.2 | 5.2.2 | 5.2.2 | 3.2.2 |
| 2014.1 Update | November 2014 | 5.2.0 | 5.2.1 | 5.1.4 | 3.2.1 |
| 2014.1 | August 2014 | 5.2.0 | 5.2.0 | 5.1.4 | 3.2.1 |
| 2014 | February 2014 | 5.1.3 | 5.1.3 | 5.1.3 | 3.2.0 |

- For Access Manager, DirectControl agent and Centrify OpenSSH, see the Authentication Service and Privilege Elevation Service release notes in the Documentation folder for more information.
- For Audit Manager and DirectAudit agent, see the Audit & Monitoring Service release notes in the Documentation directory for more information.
- For Agent for Windows, see the Agent for Windows release notes in the Documentation directory for more information.
- For Deployment Manager, the last release is v5.5.2 in 18.11, same for Deployment Manager manifest (offline product catalog).
- For Centrify PuTTY, see the Centrify PuTTY release notes in the Documentation directory for more information.

Also, see www.centrify.com/product-versions for product versions.

8. Download Center in Centrify Support Portal

You can get all the supported releases from the download center in Centrify support web site:

<https://www.centrify.com/support/customer-support-portal/download-center/>

- All the ISO, ZIP, and TGZ files are associated with the MD5 checksum.
- All RPM and DEB packages as well as YUM and APT repositories are also protected by the GPG signature. You can find the GPG public key in the download center.

9. Bugs Fixed

Component specific bug fixes in this release can be found in the corresponding component release-notes.html files. Please refer to Section 7 for a description of individual release notes.

10. Known Issues

Component specific known issues/limitations can be found in the corresponding component release-notes.html files. Please refer to Section 7 for a description of individual release notes.

For the most up to date list of known issues, please login to the Customer Support Portal at <http://www.centrifly.com/support> and refer to Knowledge Base articles for any known issues with the release.

11. Additional Information and Support

In addition to the documentation provided with this package, you can find the answers to common questions and information about any general or platform-specific known limitations as well as tips and suggestions from the Centrifly Knowledge Base.

The Centrifly Resources web site provides access to a wide range of information including analyst report, best practice brief, case study, datasheet, ebook, white papers, etc., that may help you optimize your use of Centrifly products. For more information, see the Centrifly Resources web site:

www.centrifly.com/resources

You can also contact Centrifly Support directly with your questions through the Centrifly Web site, by email, or by telephone. To contact Centrifly Support or to get help with installing or using this software, send email to support@centrifly.com or call 1-669-444-5200, option 2. For information about purchasing or evaluating Centrifly products, send email to info@centrifly.com.