



Leostream Release Notes

Empowering Enterprises to Build a Better Way to Manage Hybrid Work

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Leostream software is protected by U.S. Patent 8,417,796.

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Leostream Platform 2022.1 Release Notes

Obsoleted Features and Functionality

The following items are no longer included in Leostream Platform 2022. Please continue using version 9.1 of the Connection Broker and contact sales@leostream.com if you are using any of these features. Note that Connection Broker 9.1 has an extended lifecycle. See the Leostream Product Lifecycle for more information.

- NIS authentication is no longer supported. The source code for the open-source C library that Leostream leverages to integrate with NIS authentication servers is no longer included in the Red Hat repositories for RHEL 8.

Remain on Connection Broker 9.1 if you are using NIS authentication.

- Windows Deployment Services operating system provisioning for HPE Moonshot nodes is no longer supported.
- Forwarding user logins between Connection Broker clusters is no longer allowed.
- Support for the Cisco VPN client has been removed.
- Central Authentication Service (CAS) authentication is no longer available for the Leostream Web client.
- Exceed OnDemand connections to remote desktops are no longer supported.

Important Note

Leostream Gateway 2022.1.0.6 uses an updated installation process. Please consult the [**Leostream Installation Guide**](#) for instructions on how to install or upgrade to Leostream Gateway 2022.1.0.6.

Available: December 2022

Component Updates

- Leostream Agent 7.4.23 for Windows operating systems – Returns the public and local hostnames for AWS instances to the metadata returned to the Connection Broker
- Leostream Agent 5.2.23 for Linux and macOS operating systems – Returns the public and local hostnames for AWS instances to the metadata returned to the Connection Broker
- Leostream Connect 3.8.5 for Linux and macOS operating systems – Opens the Remote Boost authentication dialog when the Leostream protocol plan does not specify a username for the connection

Connection Broker 2022.1.3

Features

- The TGX encryption tool has been updated to version 2022.1.4
- Minor enhancements when defining multiple SAML-based authentication servers using tenants
- Store the public and local hostname for AWS instances when returned by the Leostream Agent
- New dynamic tags {HOSTNAME_PRIVATE} and {HOSTNAME_PUBLIC} for use in Leostream Protocol Plans
- Support Standard NVadsA10v5-series instance size in **Pools** when provisioning into an Azure Center
- Prepend the PCoIP device IP address to syslog messages received by the Connection Broker prior to relaying them to an external syslog server specified in the PCoIP Devices Center

Resolved Issues

- Properly handle cases where users enter incorrect passwords into a PCoIP Software client that is launched from the Leostream Web client
- For Leostream environments that have reached their license limit, users with an existing Leostream license are no longer blocked from logging in when their policy enables the **Prompt user for alternate credentials before connecting to selected desktop** option and they launch the PCoIP client from the Leostream Web client
- Properly release desktops that are forcefully shutdown before the Leostream Agent is able

to register the shutdown with the Connection Broker, for example when using the **Power off** power control option

- Allow Printer Plans to be deleted when they are currently assigned to a Location or specific Client
- Removed support for the `if_assigned_only` parameter for the `cb_status` Web query
- Improve handling of center scans that run while there are active provisioning jobs, to avoid removing desktop records associated with virtual machines that are still being created
- Resolve cases where provisioning jobs for virtual machines on Scale Computing HC3 resulted in duplicate desktop records
- Paginate inventory of images from OpenStack centers to handle cases where the OpenStack project has more than 25 images
- Properly log out rogue users that are connected to desktops using HP ZCentral Remote Boost (RGS) based on the Policy option to log out rogue users
- Change desktop power statuses to Stopped for desktops marked as Stopping when a Center scan occurs and confirms that the desktop is powered off
- Improve disconnect logic for PCoIP Remote Workstation Cards to attempt to disconnect the PCoIP session from the Remote Workstation Card if the PCoIP client cannot be disconnected
- Pass the region to the AWS API when checking if an AWS center is online
- Properly fail over to the second value for dynamic tags that use the `or` syntax and reference hostnames or IP addresses, for example `IP_PUBLIC-or-IP`
- Resolved permission errors when trying to send Leostream log messages to a syslog server

Available: October 2022

Connection Broker 2022.1.0.9

- Updates the internal PostgreSQL database to version 14.5
- Updates the internal jQuery UI components to version 1.13.2
- Restricts the upload of third-party content through the **> System > Maintenance** page to new logs and favicons

Leostream Gateway 2022.1.0.6

Include Apache tomcat in the Leostream Gateway packages, to improve the installation experience.



If you are upgrading an existing version 2022 Leostream Gateway to version 2022.1.0.6 you must uninstall the current version of Apache tomcat as part of the upgrade. Please see the **Leostream Installation Guide** for complete instructions.

Leostream Agent for Windows – Version 7.4.22

Resend idle-time notifications every thirty seconds if the agent is unable to contact the Connection Broker.

Leostream Agent for Linux and macOS – Version 5.2.22

- Improve management of Remote Boost sessions on Rocky Linux 8
- Resolve issue related to the use of NetworkInterface API that could cause the registration with the Connection Broker to fail

Available: August 2022

Leostream Platform 2022 is an updated version of the Leostream Platform, and is comprised of the components described in the following sections. You cannot perform a direct update from version 9.x of the Leostream Platform to version 2022. Please consult the upgrade documents for instructions on how to move your Leostream 9.x configuration to a new Leostream 2022 Connection Broker.

Connection Broker 2022.1.0.8 and Components

The following updates and features are new in Connection Broker 2022. If you are running an older version of the Connection Broker, consult the Leostream 9 release notes for information on additional features and fixes that may be available, depending on your current Connection Broker version.

- The Connection Broker is now packaged for installation on any virtual or physical machine running the latest Red Hat® Enterprise Linux® 8.x operating system and its derivatives, such as Rocky Linux and AlmaLinux OS
- The Connection Broker now installs in `/var/lib/leo` instead of `/home/leo`
- The Connection Broker `leo` user is no longer added to the `sudoers` file and instead is allocated the specific permissions required to support Connection Broker functionality
- The internal Connection Broker PostgreSQL database has been upgraded to version 14.4
- The Connection Broker Sign In page has been redesigned
- Dashboard updates
 - You can now add and remove widgets on the dashboard
 - The dashboard has a new **Reset** button to return the dashboard to the factory default layout
 - The new Desktops Assigned widget displays the number of desktops currently assigned to a user
 - The new Pools widget displays a bar graph of the contents of all pools, so you can easily compare the number of desktops in pools
 - Widgets now display a message if no appropriate data has been collected for that widget
 - A new warning banner displays dashboard-related message, such as when a widget references a pool that has been deleted

- NICE DCV – The Leostream feature to invite users to collaborate on another user’s session is now available for users connecting using NICE DCV
- The `leostream-broker` CLI has new options to accept the Leostream EULA and automatically reboot the Connection Broker if the license enables a feature that requires a reboot
- When adding a Leostream Gateway, the default power-forwarding methodology uses a random port filtered by the client source IP address
- The **> System > Maintenance** options to shutdown and reboot the Connection Broker are now displayed only with the Connection Broker is in debug mode

Leostream Gateway 2022.1.0.5

The Leostream Gateway can now be installed on any virtual or physical machine running the latest Red Hat Enterprise Linux 8.x operating system and its derivatives, such as Rocky Linux and AlmaLinux OS

Leostream Agent for Windows – Version 7.4.21

- Compatible with Connection Broker 9.1 and 2022
- Adds support for reporting Windows Server 2019 and 2022 and supports DCV collaboration

Leostream Agent for Linux and macOS – Version 5.2.20

- Compatible with Connection Broker 9.1 and 2022
- Adds support for monitoring RGS sessions on Rocky Linux 8 and supports DCV collaboration

Leostream Connect for Windows – Version 4.4.4.6

- Compatible with Connection Broker 9.1 and 2022
- Resolves issues caused by deleting the NoMachine configuration file too soon when establishing the connection

Leostream Connect for Linux and macOS – Version 3.8.4

- Compatible with Connection Broker 9.1 and 2022
- This component is not being updated during this release

Appendix A: Version Compatibility

Leostream Agent Compatibility Matrix

The following table indicates the Leostream Agent versions that are compatible with Connection Broker versions 9 and 2022. Connection Brokers cannot communicate with incompatible Leostream Agents. Not all Connection Broker functionality may be supported by older Leostream Agents, so some loss of functionality may occur even though a particular Connection Broker version is able to communicate with the older agent versions. Contact Leostream Support for more information.

Connection Broker	Version	9.0.34.10	9.0.34.21 and later	9.1	2022
Leostream Agent for Windows	5.x	N	N	N	N
	6.x	Y	N	N	N
	7.x	Y	Y	Y	Y
Leostream Agent for Linux and macOS	3.x	N	N	N	N
	4.x	Y	N	N	N
	5.x	Y	Y	Y	Y

- Leostream Agent versions older than 5.0 for Windows and 3.0 for Linux are not compatible with any supported Connection Broker.

Leostream Connect Compatibility Matrix

The following table indicates the Leostream Connect versions that are compatible with the currently supported Connection Broker versions.

Connection Broker	Version	9.x	2022
Leostream Connect for Windows	4.1	Y	Y
	4.2	Y	Y
	4.3	Y	Y
	4.4	Y	Y
Leostream Connect for Linux and macOS	3.5	Y	Y
	3.6	Y	Y
	3.7	Y	Y
	3.8	Y	Y

- Not all features supported by the latest Leostream Connect version are available when using an older Connection Broker version.