

Fudo Enterprise 5.4.5

Release Note

This is a minor Fudo release, introducing a range of improvements and new fixes.

IMPROVEMENTS

- Added the possibility to set an empty certificate in the *Active Directory External Authentication* method configuration, which will result in the TLS certificate verification being disabled.
- Improved performance of the *Dashboard* and *Accounts* tabs.
- Enabled username-only login through bastion for unambiguous configurations, applicable when a single forward or regular account with a defined login is reachable through this bastion listener, pointing to either a server with full mask or a pool with only one such server.
- Enabling *Call Home* feature now automatically activates sending diagnostics.
- The GUI has been updated to display messages about upcoming discontinuation of certain features in the next major release.

BUG FIXES

- Resolved multiple issues related to establishing a session using Remote Desktop Services functionality:
 - Fixed an issue with no possibility to establish RDS connection by Native Client.
 - Fixed an issue related to problems with establishing RDS connection when the Listener's local IP address value is set to 'Any'.
 - Fixed an issue with no possibility to establish RDP session via the Native client using a domain in the connect string.
 - Fix for an issue related to the RDP redirection problem.
- Fixed an issue related to the visibility of the Start Menu bar on a Web Client RDP connection.
- Fixed an issue with incorrect handling of uploaded files containing certificates and private keys for RDP and HTTP listeners.
- Fixed an issue with no possibility to update the Client secret in OpenID Connect authentication method.
- Fixed a Fudo startup issue occurring after increasing the disk size and performing an upgrade.

- Fixed an issue with the wrong CPU and memory usage display on the dashboard page.
- Fixed an issue preventing login to HTTP servers when the '@' sign is included in account logins.
- Fixed an issue affecting time presentation on websites accessed via HTTP rendered sessions; now time aligns with the timezone settings configured in the Admin Panel.
- Fixed an issue related to incorrect synchronization handling when no mappings are configured for one of the added LDAP domains.
- Fix for an issue with assigning 'archive' as a node on which session should be prepared to download.
- Fixed login issue with <username>#<server> string for regular Accounts with empty logins.
- Fixed an issue where initial replication during the cluster creation process fails due to custom password changers referencing Account or Server objects.
- Fix for an issue with no possibility to change the Server/Pool assignment for the Accounts created using the Discovery functionality.
- Fixed an issue related to incorrect assignment of grants to Users for managing Account objects.
- Updated objects permission assignment lists to exclude Users with redundant roles.
- Fix for an issue with the missing 'Select all' checkbox in the User permissions assignment section.
- Fixed Azure backup functionality.
- Fix an issue with unsuccessful protocol connections due to internal service errors.
- Resolved a problem causing system unresponsiveness during extensive cluster replications.
- Fix for an issue related to storage health check reporting errors when the period for deleting retained data was set to an empty value.

BEFORE YOU UPGRADE

It is highly recommended to perform the ['Upgrade check'](#) before the proper upgrade. The result of the failed check may contain information about configuration changes that needs to be done by a Fudo administrator to successfully upgrade Fudo.

There are a few things that need to be verified before this upgrade can be applied:

- Make sure your Fudo instance isn't undergoing any system-wide process, such as storage rebuild, or the system isn't under full-load.
- In a cluster configuration, make sure all nodes are synchronized and upgrade the slave node first.
- Make sure you have an active Premium or Standard Support maintenance contract.

IMPORTANT INFORMATION FOR UPGRADING FROM VERSIONS 5.2.x AND OLDER

Due to the significant changes in the database, the upgrading process from 5.2.x and older versions might take more time than usual.

There are a few things that need to be verified before the upgrade can be applied:

- Make sure your Fudo instance isn't undergoing any system-wide process, such as storage rebuild, or the system isn't under full-load.
- In a cluster configuration, make sure all nodes are synchronized and upgrade the slave node first.
- Make sure you have an active Premium or Standard Support maintenance contract.
- As of Fudo PAM 5.3, Citrix, ICA, and Oracle protocols are no longer supported; it is required to remove the sessions (except those already exported) associated with these protocols.
- It is required to have the "Use root store certificates" option enabled in every HTTP server configuration.
- "Hitachi ID Privileged Access Manager" and "Lieberman Enterprise Random Password" must be removed from the External password repositories configuration.
- Users with names containing '#' or '%' chars must be removed or renamed.
- If there are multiple servers with the same address and port pair but different protocols, then only one of them can be left and the other must be removed.
- Remote app configuration must be removed from all the servers and accounts.
- In password changers configuration the server properties: "protocol", "secproto", "ssl_to_server", "ssl_v2", "ssl_v3", "subnet" are no longer supported and must be removed.
- Port number 8888 is now reserved. Listeners using this port must be modified to use another port.
- Port numbers greater or equal 60000 are now reserved. Listeners using these ports must be modified to use other ports.

RECOMMENDED UPGRADE PATH

Before proceeding with the upgrade, please verify the version number of your Fudo Enterprise instance. Depending on the version number, you will need to follow a specific upgrade path. To learn more, please refer to the [Fudo Enterprise Product Upgrade Path](#) article.

HOW TO UPGRADE YOUR FUDO

1. Login to your Fudo Admin Panel.
2. Select '*Settings > System*' from the main menu on the left-hand side and go to the '*Upgrade*' tab.

If your Fudo is running in a cluster, start the upgrade on the Slave node, and only when the upgrade finishes successfully start upgrading the Master node. When both systems are running the same Fudo version cluster communication will be restored.

3. Select 'Upload' from the top right side and upload the previously downloaded and unzipped upgrade package file.
4. Select '*Run Check*' to determine if your upgrade file is correct and can be applied to the existing Fudo configuration. Refresh your browser window to see '*Upgrade check*' current progress.
5. Upon a successful '*Run Check*' result, upgrade your Fudo by using the '*Upgrade*' button. Upon system restart, all active sessions will be terminated.

In case of an unsuccessful check do not upgrade your system, double check your upgrade file checksum. If you encounter any problems, get in touch with us and we will assist you.

THE ROLLBACK PROCEDURE

If you are experiencing issues with the newly installed version, you have an option to roll back to the previous version of Fudo running on this machine. To do so, click the user menu on the top right, select '*Restart*', and select previous system revision from the drop-down list.

Please keep in mind any session recordings performed on a newer version will be lost upon upgrade rollback execution.

CONTACT US

If you have questions or concerns, please get in touch at support@fudosecurity.com or by phone: +48 22 100 67 09.

Sincerely,

Fudo Security Team