

Fudo Enterprise 5.5.6

Release Note

Date: December 2024

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

NEW FEATURES

- Extended the Timeout feature to full functionality, enabling separate timeout settings for the Admin Panel and User Access Gateway.

IMPROVEMENTS

- Restricted the creation of accounts with the 'noraw' recording type for server types where it is not applicable, such as MSSQL, Modbus, TCP, and MySQL.
- Unified the display of labeled IP addresses for password changers and verifiers in the 'Password Changers' sub-tab within the Accounts tab to ensure consistency with other areas of the application.
- Improved filtering functionality and visibility of applied filters when no logs are available for display.
- Added the option to disable recording of nested sessions within SSH connections.
- Added a column displaying the Fudo domain in the Users list for improved clarity.

BUG FIXES

- Resolved an issue causing comments to disappear in the player.
- Resolved an issue where names of password changers and verifiers were not visible in the 'Password Changers' sub-tab within the Accounts tab during configuration.
- Resolved an issue affecting Telnet 3270 and Telnet 5250 connections, where sessions were not displayed, and no information about the established connection was visible.
- Resolved an issue where incorrect values in the 'search' field persisted after closing and reopening a pop-up, displaying an incorrect list of elements.
- Resolved an issue where saving a pool was not possible, even when at least one server was selected.
- Resolved a problem where saving changes to a pool was not possible while editing assigned servers, despite having at least one server selected.
- Resolved an issue where long path values for remote applications were not displayed properly in the 'Remote Applications' sub-tab within the Accounts tab during configuration.

- Resolved an issue where the domain was not forwarded when credentials were left blank in account configuration.
- Resolved a layout issue in the User Portal causing sorting buttons to overlap adjacent columns.
- Resolved an issue where changes to the External Password Repository configuration could not be saved during editing.
- Fixed missing cluster node role information on the 'Node' widget in the Dashboard tab.
- Resolved an issue with incomplete SSH session exports.
- Fixed MSTSC-related issues on Windows 11 24H2 ARM64 causing screen lag and blocking artifacts in Native Client RDP sessions.
- Fixed a problem with dropdowns not loading all entries for datasets with over 1,000 records.
- Fixed a problem with establishing SSH and RDP sessions due to slow SQL query execution.
- Fixed a problem with filtering users in the safe configuration user management window.
- Addressed a problem leading to OpenID Connect crashes due to improper configuration.
- Restored the VNC basic authentication method for client-side connections.
- Resolved problems with SSO login and logout functionality in the User Access Gateway.
- Addressed an issue where the 'Selected' section failed to show all accounts assigned to safe if their total exceeded 1,000.
- Restored the 'Last Login' filter in the Users tab.
- Addressed a problem that blocked playback of timestamped sessions.
- Resolved an issue where setting an empty password was not possible during account editing.
- Resolved a 500 Internal Server Error when changing LDAP sync configuration with conflicting user data.
- Fixed inconsistent behavior in the filter window of the Accounts tab.
- Addressed an issue with search suggestions for server addresses in the User Access Gateway.
- Introduced validation for CA certificates during upload to prevent saving incorrectly encoded files that could cause errors when creating a server.
- Enabled operators with the necessary permissions to view and download files from the "Downloads" tab.
- Resolved an issue where users with the Session Viewer role were unable to play sessions.
- Adjusted server response handling to reinforce safety measures.
- Fixed a time sync issue with *ntpdate* during boot on systems with a LAGG interface.
- Resolved critical assertions occurring when sending files using the SCP file transfer.

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.

Mobile Token

Note: Fudo Enterprise 5.5 and later versions no longer support the **Mobile token** authentication method used to bind Fudo Officer mobile application to a User. Please ensure that the mobile application is unlinked from any User configuration. Otherwise, the upgrade will fail, and the script UPG000685 will return a list of users who have the mobile application linked.

To unlink the Fudo Officer mobile application, please edit the user configuration, then:

1. Go to the 'More' tab, and in the 'Fudo Officer' section, unlink the application using the 'Cancel binding' button.
2. Alternatively, go to the 'Settings' tab, in the 'Authentication' section find the 'Mobile token' method and remove it using the 'Delete' button.

Reconfiguring External Password Repository to HTTPS/LDAPS

As Fudo Enterprise 5.5 and later versions no longer support unencrypted connections for external password repositories, all repositories using HTTP/LDAP URLs must be reconfigured to HTTPS/LDAPS prior to the upgrade.

Steps to resolve:

1. Navigate to *'Settings > External passwords repositories'*.
2. Edit every configured external password repositories URL to use HTTPS/LDAPS.

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.

Note: Fudo Enterprise 5.4.11 introduces a new upgrade barrier in the Product Upgrade Path. If you are upgrading from any version of Fudo 5.4, please ensure you upgrade to at least version 5.4.11 before proceeding to version 5.5.x.

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.

Note: 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.

Note: 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.

HOW TO IMPORT SYSTEM CONFIGURATION

Note: Importing a configuration file and initiating system with imported data will delete all existing session data.

1. Login to your Fudo Admin Panel.
2. Select '*Settings > System*' from the main menu on the left-hand side, then go to the user menu in the upper right corner.
3. Select '*Import configuration*' from the user menu.
4. Upload the '*Master key*' file and '*Configuration file*' exported from another Fudo instance and click '*Confirm*' to proceed with the import.

Note: For more details, please refer to the ['Exporting/Importing System Configuration'](#) section of the Fudo Enterprise documentation.

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.

Note: 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