

Fudo Enterprise 5.5.8

Release Note

Date: March 2025

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

HOTFIX REQUIRED FOR THIS VERSION

Make sure you have received the “**Hotfix for Non-Functioning LDAP Password Changers in 5.5.8**” and install it along with this version of Fudo Enterprise.

NEW FEATURES

- Added support for changing **local account passwords** using a domain account via the **WinRM** password changer.
- Added **forwarding** of the Active Directory **domain name in RADIUS** external authentication method. If the *AD Domain* field in the user configuration is populated, the *AD domain* value is appended to the username in the `User-Name` field, formatted as: `{name}@{ad_domain}`. **This change may affect the behavior of RADIUS** external authentication for users synchronized with LDAP or those with the *AD Domain* field manually filled in.
- Added **OCR alphabet** support for selected languages in the CIS, APAC, and South Asia regions, including Armenian, Georgian, Azerbaijani, Kazakh, Kyrgyz, Malayalam, Bengali, and Vietnamese.
- Administrators can now **predefine** the **keyboard layout** globally for the User Access Gateway. This setting can be configured in the Resources tab.

IMPROVEMENTS

- Adjusted the log export order to follow chronological sorting, displaying logs from oldest to newest.
- Changed the position of status notifications to the lower right corner to reduce interference with key actions.
- Enhanced security by ensuring the password is now masked when entering it during certificate upload to a listener.

BUG FIXES

- Implemented a fix to automatically trim leading and trailing whitespaces from the Login field when creating an account, ensuring a valid login string.
- Blocked the ability to save objects like Accounts, Servers, Safes, or Users with leading and trailing whitespaces in their names.
- Fixed random HTTP session drops caused by unexpected TigerVNC messages that NoVNC couldn't handle correctly.
- Resolved the log message issue related to the Django session key in API requests.
- Fixed incorrect UI message about the Call Home feature status in the user editing form.
- Resolved an issue where the accounts list occasionally did not load in the User Access Gateway until the page was refreshed.
- Fixed an issue where a machine rebooted during initial replication could become unbootable.
- Restricted account configuration without login details when a domain is provided.
- Fixed an SNMP issue where `smartHealth` returned an incorrect value and updated the MIB definition in FUDO-SECURITY-COMMON-MIB.txt, now supporting only `ok (1)` and `failed (2)`.
- Fixed an issue where the login reason was incorrectly requested during password checkout after refreshing the User Access Gateway, despite an active checkout session.
- Fixed an issue preventing the upgrade due to a remaining external authentication server certificate.
- Fixed improper handling of spaces in node names, which caused issues such as unavailable reports.
- Resolved an issue preventing safes and listeners from loading in the 'Manage Accounts' window during account onboarding.
- Fixed an issue with the default selection and value handling of the 'Common Configuration' checkbox when enabling RDP functionalities in Safe configuration.
- Fixed an issue where email notifications were not sent after a user used the checkout functionality when 'Session awaiting approval' notifications were enabled in a safe.
- Fixed an issue where the uploaded HTTPS certificate did not take effect immediately in the Admin Panel.
- Fixed missing Kazakh translations in recently revised tabs.
- Fixed an SSH connection error caused by a hotfix for forward authentication, affecting configurations with a forward account, bastion listener, and the 'Authentication against server option' enabled.

- Resolved an issue in clustered Fudo Enterprise environments where adding a profile to Fudo Officer failed on one of the nodes, displaying an error during QR code scanning. A Fudo Officer update will follow to fully address this fix.

DISCONTINUED FEATURES IN 5.5

- Fudo Enterprise 5.5 **no longer supports the Fudo Officer 1.0** mobile application. Users relying on this integration must migrate to the **Fudo Officer 2.0**.
- Fudo Enterprise 5.5 no longer supports the **Mobile Token** authentication method used to bind the Fudo Officer mobile application to a User. You must **unlink all Fudo Officer bindings** from Users configuration before the upgrade. For more details, please refer to the 'Before You Upgrade' section below.
- Fudo Enterprise 5.5 no longer supports the **CyberArk Enterprise Password Vault** external password repository. Users using this integration need to migrate to CyberArk Credential Provider external repository.
- Fudo Enterprise 5.5 no longer supports the **Ticketing systems**.
- The option to add **unencrypted connections** when configuring an external password repository has been **disabled**. All password repositories with url HTTP/LDAP have to be reconfigured to HTTPS/LDAPS before the upgrade. For more details, please refer to the 'Before You Upgrade' section below.

ANNOUNCEMENTS FOR 5.5

- Fudo Enterprise 5.5 is the **last version supporting transparent and gateway modes in the listeners configuration**. Listeners using these modes **must be reconfigured to use proxy and bastion modes before upgrading to the next release**.
- Fudo Enterprise 5.5 is the **last version supporting the Application to Application Password Manager**. The AAPM will be replaced by the functionality of APIv2 in the **next release**.
- Fudo Enterprise 5.5 is the **last version supporting the APIv1**. The support will be **removed** in the **next release**. All scripts using APIv1 should be rewritten to use APIv2.
- Fudo Enterprise 5.5 is the **final version to support DHCP**, which will be removed in the next release.

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.

MIB Definition Update

Note: In Fudo Enterprise 5.5.8, the MIB definition has been updated. The `FUDO-SECURITY-COMMON-MIB.txt` file has been modified accordingly, and `smartHealth` now supports only the following states: `ok (1)` and `failed (2)`.

Domain Name Forwarding in RADIUS

Note: Please note that the introduction of forwarding the Active Directory domain name in RADIUS may affect the behavior of existing RADIUS external authentication for users synchronized with LDAP or those with the AD domain field manually filled in.

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