

LANCOM Release Notes

LCOS FX

10.2.3

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1. Preface

LCOS FX is the operating system for all LANCOM R&S®Unified Firewalls. In the context of the hardware given by the products the at a time latest LCOS FX version is available for all LANCOM R&S®Unified Firewalls and is available free of charge for download from LANCOM Systems.

This document describes the innovations within LCOS FX software release 10.2.3, as well as the improvements since the previous version.

2. Supported hardware

LCOS FX version 10.2.3 is supported by the following hardware:

- > LANCOM R&S®Unified Firewall UF-50
- > LANCOM R&S®Unified Firewall UF-100
- > LANCOM R&S®Unified Firewall UF-200
- > LANCOM R&S®Unified Firewall UF-300
- > LANCOM R&S®Unified Firewall UF-500
- > LANCOM R&S®Unified Firewall UF-900

3. Installation instructions for updating to LCOS FX 10.2.3

Note 1:

If there is not yet a working 10.2.0 firewall installation, please setup a simple 10.2.0 firewall installation with Internet connection first (see document „First installation steps“). An Internet connection is mandatory to receive updates.

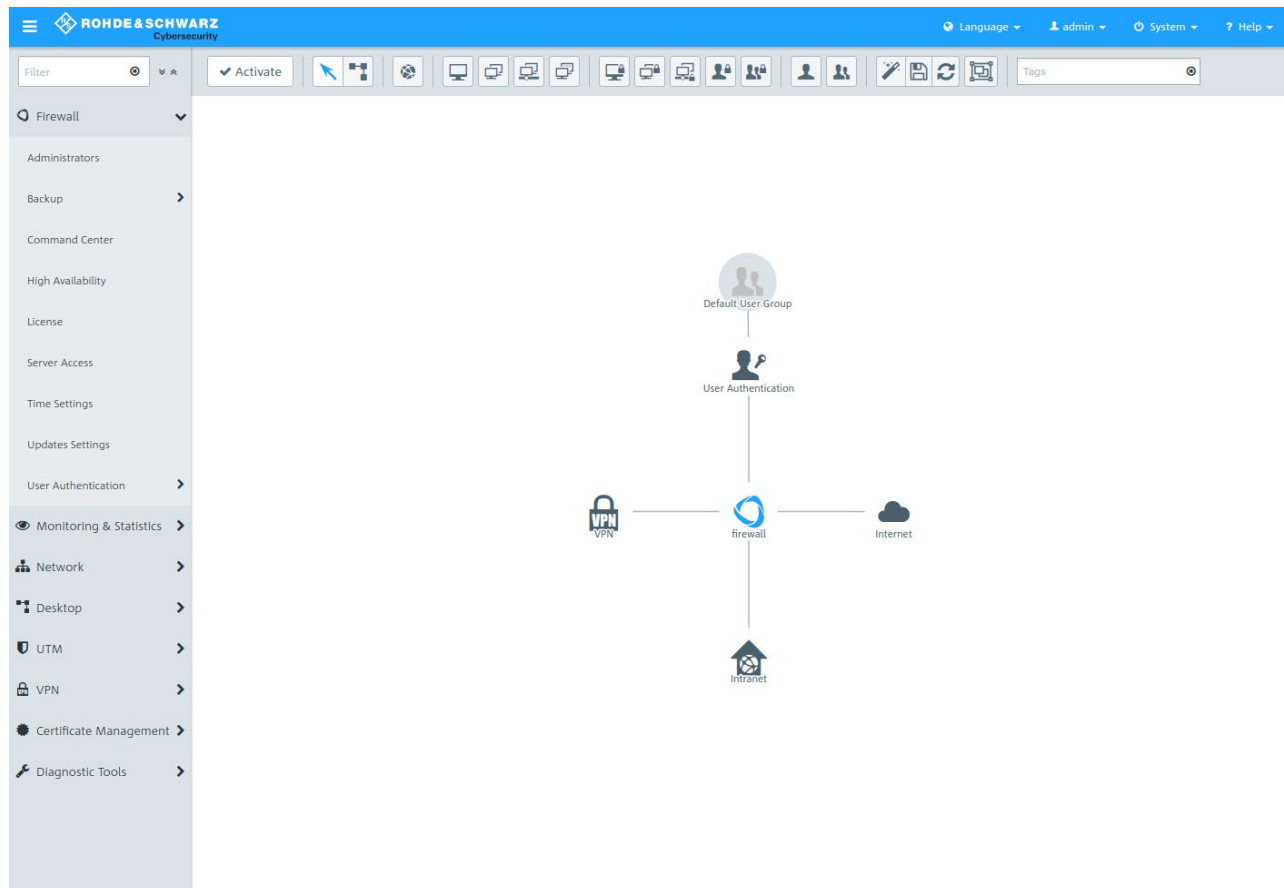
Via the auto updater on the web interface of your LANCOM R&S®Unified Firewall the respectively newer minor update version is available for step-by-step updating.

Please follow the subsequently described steps in this manual to update your device to the latest LCOS FX version.

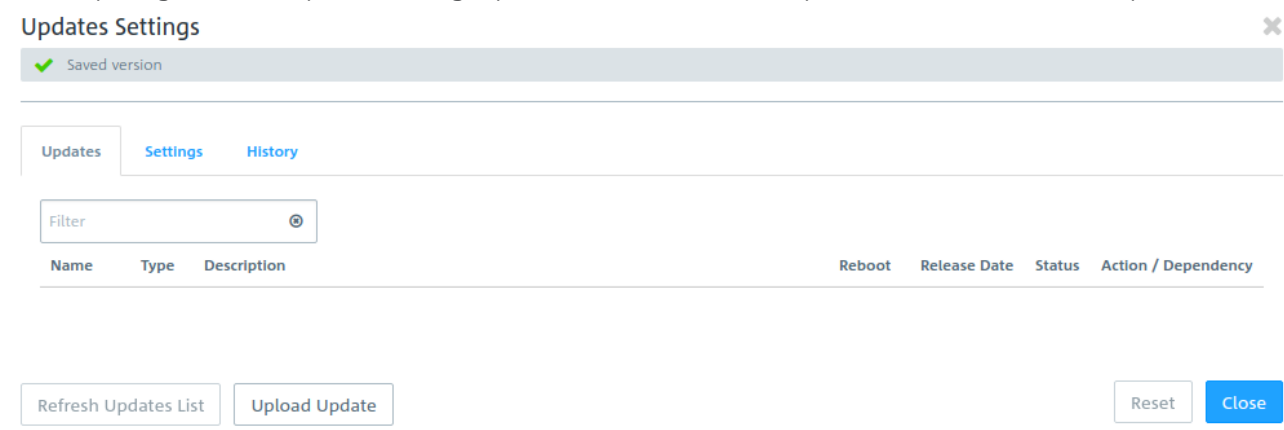
Note 2:

In order to not hinder any workflows, please first install the update in a testing environment and not in a productive setting.

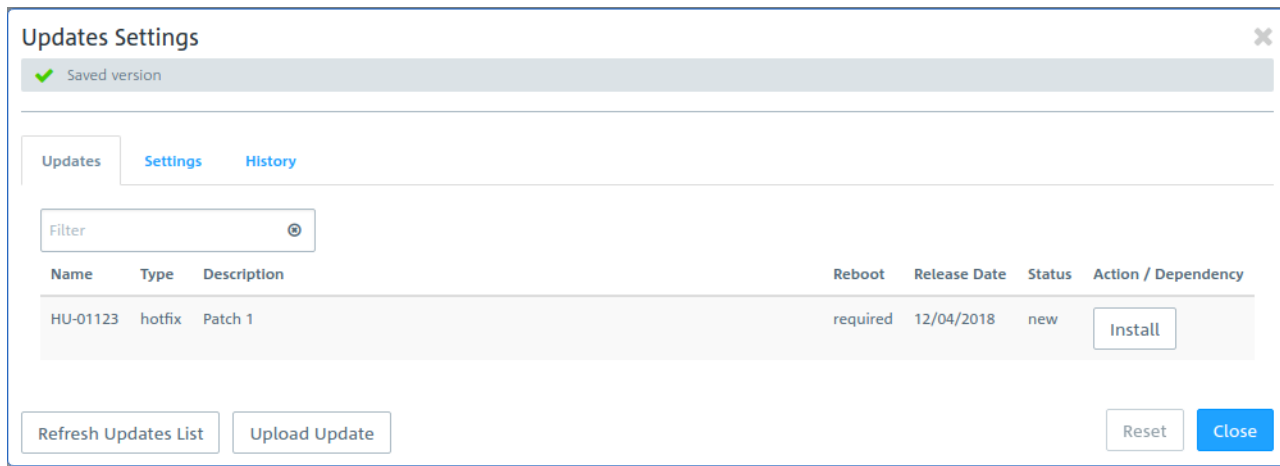
In the navigation bar on the left side, select "Updates Settings" under the first item "Firewall".



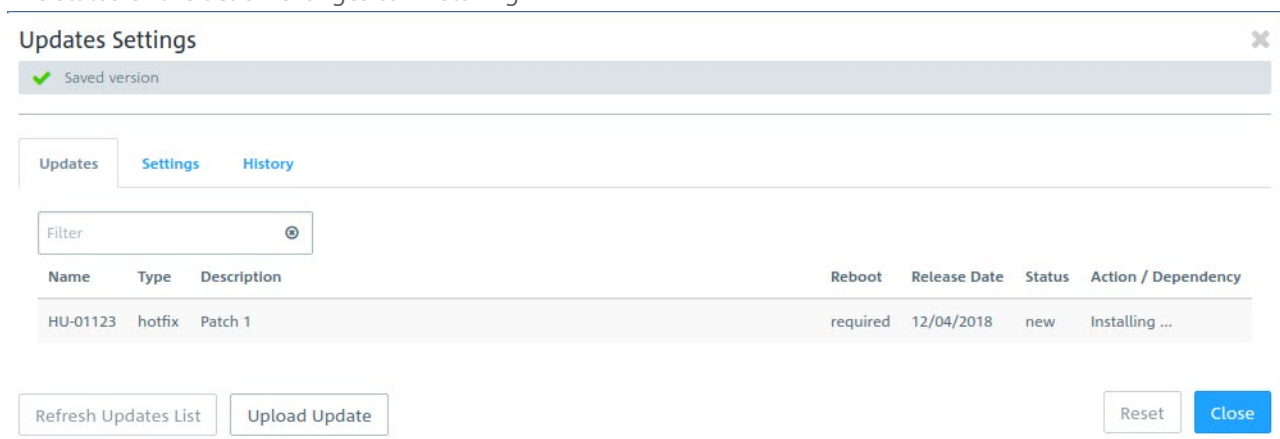
In the opening window "Updates Settings" press the button "Refresh Updates List" under the tab "Updates".



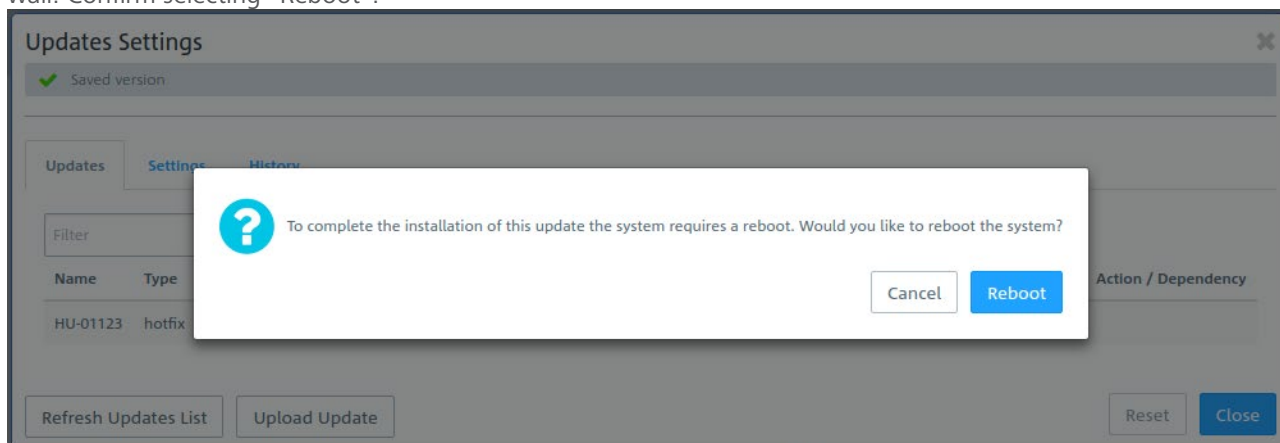
From the list, select the firmware file to install and press the “Install” button.



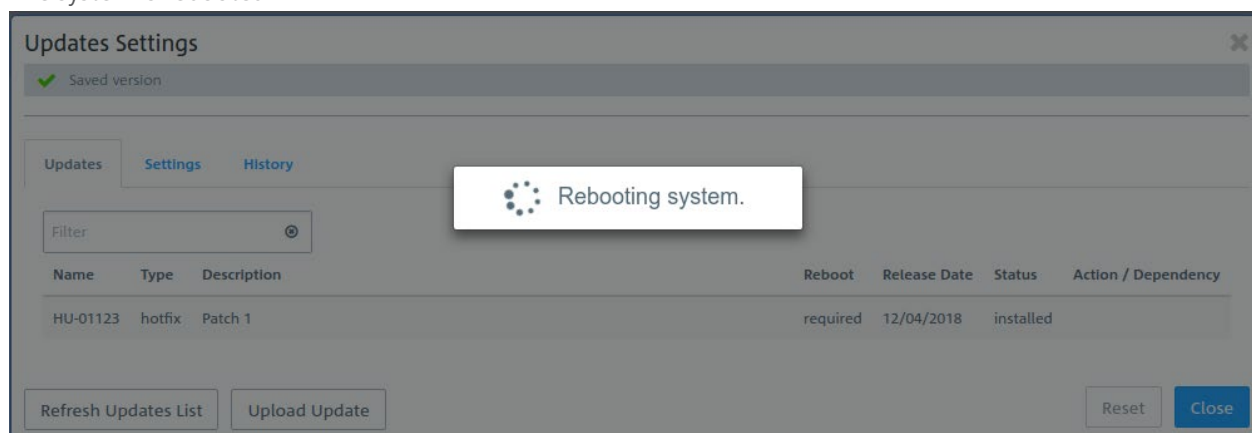
The status of the action changes to “Installing...”



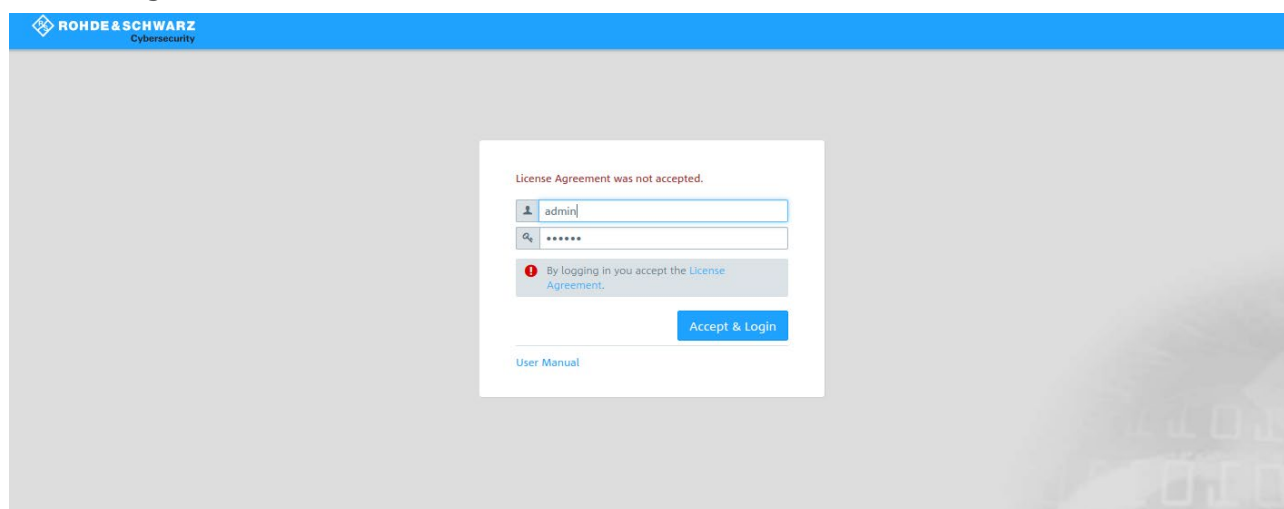
After the installation has completed a popup dialogue window appears displaying a request for rebooting the firewall. Confirm selecting “Reboot”.



The system is rebooted.



After the firewall reboot the login window appears. When typing in your login credentials you are asked to accept the license agreement.



After having logged in, the desktop of your LANCOM R&S® Unified Firewall opens. You will notice the info bar on the right side. Here you can see information about the current software version and others.

The screenshot displays the LANCOM R&S Unified Firewall management interface. The interface is divided into three main sections:

- Left Sidebar:** Contains navigation menus for Firewall, Monitoring & Statistics, Network, Desktop, Desktop Connections, Desktop Objects, Desktop Rules, Desktop Tags, Export, Services, UTM, VPN, Certificate Management, and Diagnostic Tools.
- Central Main Area:** Displays a network diagram with a central 'Firewall' node connected to 'Default User Group', 'User Authentication', 'VPN', 'Internet', and 'Intranet'.
- Right Sidebar (Overview Panel):** Provides system information:
 - Time Zone: Europe - Berlin
 - Server Date & Time: 12/04/2018 03:10:03 PM
 - Software Version: 10.2.0-1404
 - Host Name: himcc
 - License: Trial Edition (30 days left)
 - Firewall Access: Webclient Access (local/restricted), SSH Access (local/restricted)
 - High Availability: Status (disabled), Role (master)
 - Command Center: Access (disabled)
 - Updates: Status (No updates available)

4. History LCOS FX 10.2

LCOS FX changes 10.2.2 > 10.2.3

Improvements

- > Allow Outlook Anywhere to traverse the reverse proxy
- > Administrators can adjust upstream ciphers that are accepted by the HTTP proxy.
- > Linux kernel security update to version 4.14.103
- > Improved handling of large content filter blacklists
- > Increased responsiveness of the Info area
- > Increased mail proxy performance
- > Reduced hard disk write-load
- > Improved backup compatibility
- > Improved import of multi-tier certificate chains

LCOS FX changes 10.2.1 > 10.2.2

Improvements

- › Optimized web-proxy logfile handling
- › Improved backup migration

LCOS FX changes 10.2.0 > 10.2.1

Improvements

- › Fine-grained IP-based access control for SSH and webclient management interfaces
- › Configurable listening ports for SSH and webclient management interfaces
- › Info area to show detailed information on desktop nodes
- › Whitelist for e-mail proxy to exclude particular senders/receivers from virus scan
- › Configurable HTTPS certificate for the webclient
- › SSL proxy support dropped for various outdated ciphers

LCOS FX 10.2.0

New features

- › Integration of Avira Antivirus:
 - › Avira Protection Cloud: machine learning and sandboxing
- › IDS/IPS:
 - › Improved performance thanks to a new IDS/IPS engine
 - › Simplified IDS/IPS configuration including a rule exception list for eliminating false-positive results
- › Statistics:
 - › Security messages
 - › Traffic counter
- › Protocols:
 - › Security messages
- › Web proxy upgrade:
 - › Improved HTTPS support
 - › Improved performance
- › FTP proxy upgrade
- › Reverse proxy upgrade
- › Support for link aggregation/bonding of ethernet interfaces

Improvements

- › Searchable description field for desktop objects and firewall rules
- › Services can be grouped.
- › Desktop objects for "Host-/Network groups" can contain hosts and networks.
- › Desktop objects can be tagged and filtered by tags.
- › Desktop configurations (i.e. an overview of the desktop objects and firewall rules) can be exported to the file formats PDF and HTML.
- › Realtime connection tracking
- › DNS search domains can be pushed via DHCP.
- › The webclient supports the offline upload of updates.

5. Further information

- › Backups of versions 9.4 to 9.8, 10.0, 10.1, and 10.2 are supported.
- › Devices with less than 4 Gbytes of RAM can not execute all UTM features simultaneously.

6. Known issues

- › System- and audit protocols are not synced when operating in high availability mode.
- › Some monitoring information is not yet available:
 - › User login status
 - › Network interfaces load

7. Disclaimer

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