thermo scientific

Thermo Scientific License Manager

Software Releases TLM
Release Notes

Revision 2.0.0-a
January 2025

ThermoFisher SCIENTIFIC

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1 Introduction

1.1 Purpose

This document provides a comprehensive overview of the Thermo Scientific License Manager (TLM) application.

1.2 Audience and Scope

These release notes are intended for users responsible for installing and managing licenses using the Thermo Scientific License Manager application. The document covers both current and historical releases.

Your feedback is valuable to us. If you encounter issues or have suggestions for improvement, please contact our support team.

1.3 System requirements

TLM version	flexnet version	Platform architecture	Operating System
2.0.0	11.16.6	Microsoft Windows 64 bit	Windows 10 Windows 11
		Linux 64-bit	Ubuntu 20.04
1.8.0	11.16.6	Microsoft Windows 64 bit	Windows 10 Windows 11
		Linux 64-bit	Ubuntu 20.04
1.7.3	11.16.6	Microsoft Windows 64 bit	Windows 10 Windows 11
		Linux 64-bit	CentOS 7 Ubuntu 20.04
1.7.1	11.16.6	Microsoft Windows 64 bit	Windows 10 Windows 11
		Linux 64-bit	CentOS 7 Ubuntu 20.04
1.7.0	11.16.6	Microsoft Windows 64 bit	Windows 10 Windows 11
		Linux 64-bit	CentOS 7 Ubuntu 20.04
1.6.8	11.16.6	Microsoft Windows 64 bit	Windows 10

TLM version	flexnet version	Platform architecture	Operating System
		Linux 64-bit	CentOS 7 Ubuntu 20.04
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.7	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.6	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.5	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.4	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.3	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)
1.6.2	11.16.6	Microsoft Windows 64 bit	Windows 10
		Linux 64-bit	CentOS 7
		macOS/OS X 64-bit	Mojave (10.14) Catalina (10.15)

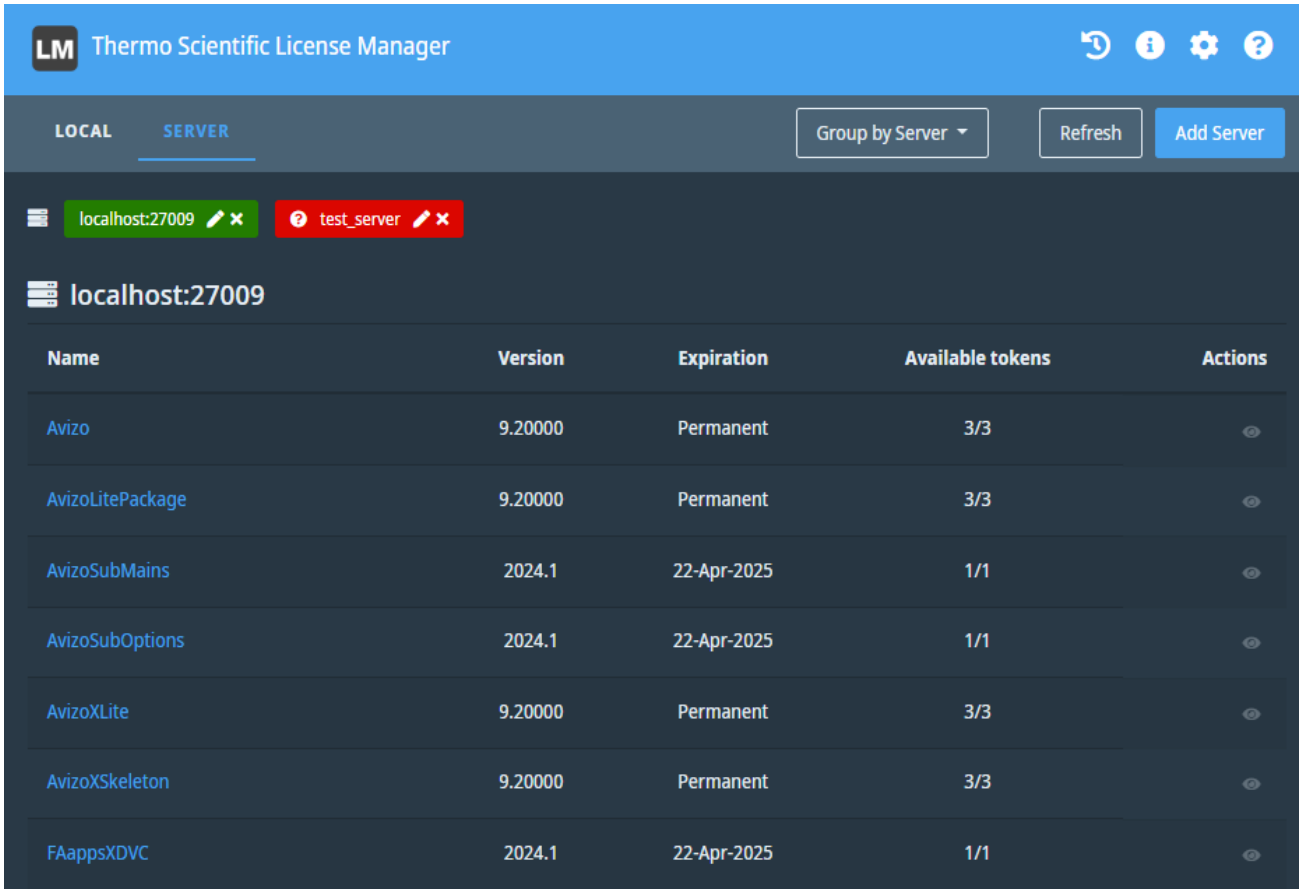
2 Thermo Scientific License Manager 2.0.0

Release Date: January 2025

2.1 New Features and Enhancements

2.1.1 Dedicated Server Licenses View

- Introduced a dedicated "Server" tab for managing floating licenses. The new "Server" tab allows you to:
  - Add, edit, or remove server connections from the interface.
  - Monitor server status and license details, including product name, version, expiration date, and token availability.
  - View activation codes for specific licenses, aiding customer support communication.
  - Refresh server license information to ensure it remains up to date.
- The "Local" tab continues to display the details of your local (node-locked) licenses, which was the default view in previous versions.



2.1.2 Improved License Repair Functionality

- Enhanced the TLM repair functionality to be more effective and user-friendly.
  - When licenses are detected with a “broken” status, the "Repair" button will be displayed.
  - The repair dialog has been reworked to enhance usability and functionality:
    - **Unified repair process**: A single action now attempts to repair all broken licenses.

- **Enhanced feedback**: Detailed messages provide clarity on repair outcomes.

2.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Documentation] – Help button does not work	LM-1321	Resolved an issue where the Help button failed to open TLM documentation in certain environments.
[Installation] - wmic error when running TLM on Win11	LM-1293	Updated the deprecated WMIC command to ensure compatibility with Windows 11 systems.

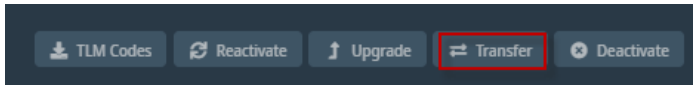
3 Thermo Scientific License Manager 1.8.0

Release Date: June 2024

3.1 New Features and Enhancements

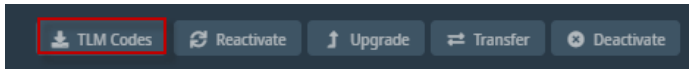
3.1.1 Transferring licenses

- Introduced a dedicated "Transfer" function in TLM for local (node-locked) licenses.
- Clicking the "Transfer" button deactivates the licenses on the original machine and saves the associated TLM codes for activation on a new machine.
- The "Transfer" function can be operated both online and offline.



3.1.2 Downloading TLM codes

- Introduced the ability to download TLM codes for installed local (node-locked) licenses.
- Users can now select one or several licenses installed on their machine.
- The selected licenses' TLM codes can be downloaded into a file.
- The TLM codes can be reactivated on another machine by copying the content of the downloaded file.



3.1.3 Windows 11 support

- Introduced compatibility with the Windows 11 platform.

3.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Installation] - Manual uninstall issue	LM-115	Resolved an issue where installation failed if the previous version was manually uninstalled.

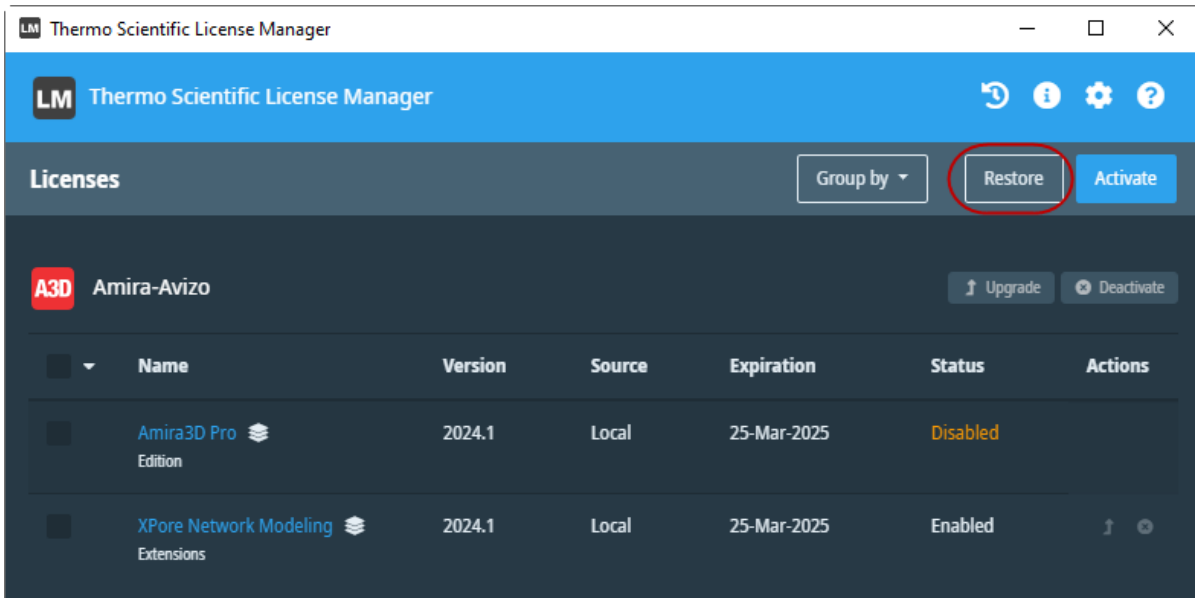
4 Thermo Scientific License Manager 1.7.3

Release Date: April 2024

4.1 New Features and Enhancements

4.1.1 Restoring disabled licenses

- Introduced the "Restore" button, providing a straightforward mechanism for restoring disabled licenses: a license can be disabled when an action (activation, deactivation, upgrade, etc.) generates a request that has not been completed. The "Restore" button allows users to easily restore such disabled licenses.



4.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[GUI][Upgrade] – Improve upgrade version field guidance	LM-1073	Enhanced the upgrade dialog to better guide users in entering version numbers.

5 Thermo Scientific License Manager 1.7.1

Release Date: September 2023

5.1 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Activation] – License display failure	LM-685	Fixed an issue where TLM would activate node-locked licenses successfully but fail to display them, particularly for customers using McAfee/Trellix security suite. TLM 1.7.1 now displays a warning message informing the user when the installed licenses display is incomplete. Note that this warning message does not prevent the successful activation of the licensed software.

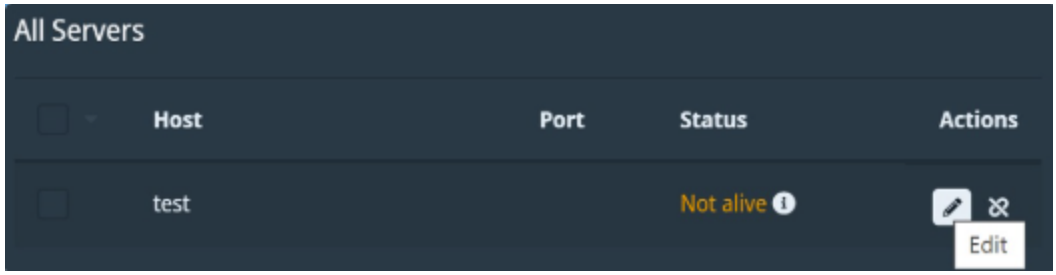
6 Thermo Scientific License Manager 1.7.0

Release Date: March 2023

6.1 New Features and Enhancements

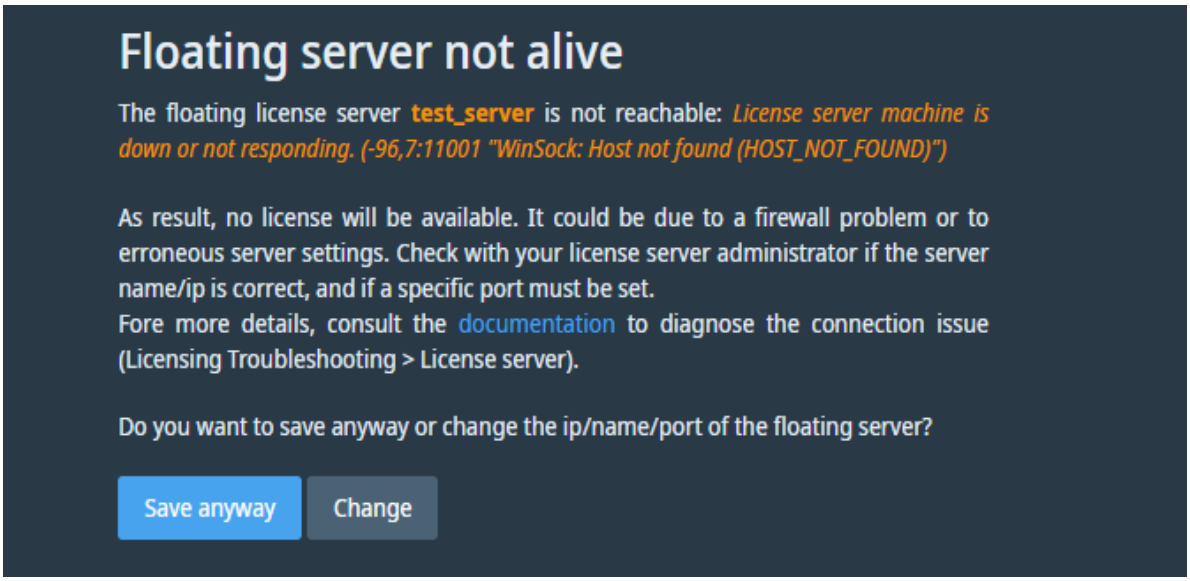
6.1.1 Editing license server configuration

- Improved the user interface for adding or changing the server name, IP, or port:
  - An "Edit" button has been added to the license server display line.
  - Clicking the "Edit" button allows modification of the selected license server settings.
  - Users can cancel the changes, in which case the settings remain unmodified.
  - Saving the changes replaces the existing settings with the new values.



6.1.2 Enhanced server connection issue diagnostics

- TLM now displays detailed error messages when a floating license server is not alive, before saving the server configuration.
- The TLM documentation has been updated with a new section listing typical connection issues and tips for their resolution.



6.1.3 mcslmd vendor licenses activation

- Introduced support for activating legacy mcslmd vendor licenses.

6.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Server] – TLM erroneously sets by default 27000 as communication port for the server configuration	LM-198	Fixed an issue where TLM erroneously set the default communication port to 27000 when configuring a license server by entering only the hostname without specifying a port number. TLM now scans default ports ranging from 27000 to 27009 for client/server communications when no port number is set.
[Server] - TLM displays ambiguous "alive" info	LM-317	In previous versions TLM would display a server as "alive" when the server machine could be pinged. In TLM 1.7.0 this alive status now guarantees that the Flexnet server is up or that communication between the Flexnet server and the client machine is functioning correctly.
[Upgrade][Node-locked] - error message when trying to upgrade a trusted storage node-locked license	LM-367, LM-392	Resolved issues where the upgrade of node-locked licenses could fail with error messages such as "unable to get local issuer certificate" or "read ECONNRESET". TLM 1.7.0 now handles these cases, allowing successful license upgrades.
[Offline][Activation] - Unhelpful error message when trying to activate a floating license	LM-557	Enhanced error messaging for offline activation of floating licenses. When entering a floating TLM code for offline activation, the request file creation is now blocked with a message advising the user to use the TLM portal instead of the TLM application.

7 Thermo Scientific License Manager 1.6.8

Release Date: September 2022

7.1 New Features and Enhancements

7.1.1 Ubuntu 20.04 support

- Introduced support for the Ubuntu 20.04 platform.

7.1.2 Search in documentation

- Added support for using the CTRL+F keyboard shortcut to search within TLM documentation.

7.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Upgrade] – upgrade fails when no version number is entered	LM-34	The Upgrade button now remains inactive until a version number is provided for upgrading.

8 Thermo Scientific License Manager 1.6.7

Release Date: April 2022

8.1 New Features and Enhancements

8.1.1 Enhanced offline operations support

- Enhanced the offline operations process to reduce the likelihood of upgrade or reactivation failures that could result in licenses being deactivated and unavailable for reinstallation.
- TLM now verifies whether the necessary conditions for upgrade or reactivation are fulfilled before issuing the upgraded or reactivated licenses.
- Added informative messages regarding any unsatisfied conditions, along with the corresponding license ID.

1.2 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Offline] - Offline activation fails when response file is too large	LM-116, LM-147, LM-148	Resolved limitations in TLM that previously prevented processing more than five licenses simultaneously during offline operations. TLM can now handle any number of licenses offline.
[Offline] - offline operation failure	LM-242	Improved the error message "Failed to create request file undefined" that appeared during offline operations when users were unable to write to the directory located at C:\Users\username\AppData\Local\Temp. The revised message now provides clearer guidance for situations where writing to the specified directory is not possible.
[Upgrade] - Error message when upgrading through a proxy	LM-174, LM-179	Fixed an issue where proxy settings were overlooked during upgrade operations. Customers using a proxy to access the internet must configure TLM with the appropriate proxy settings. The documentation has been updated to include proxy configuration instructions.
[Activation] - Unclear error message when entering a floating TLM code in TLM	LM-34	Enhanced the error message that appears when entering a floating TLM code in TLM to be more informative.
[Documentation] - Missing info regarding firewall configuration	LM-173	Updated TLM documentation to include information about firewall configuration for both online and offline operations

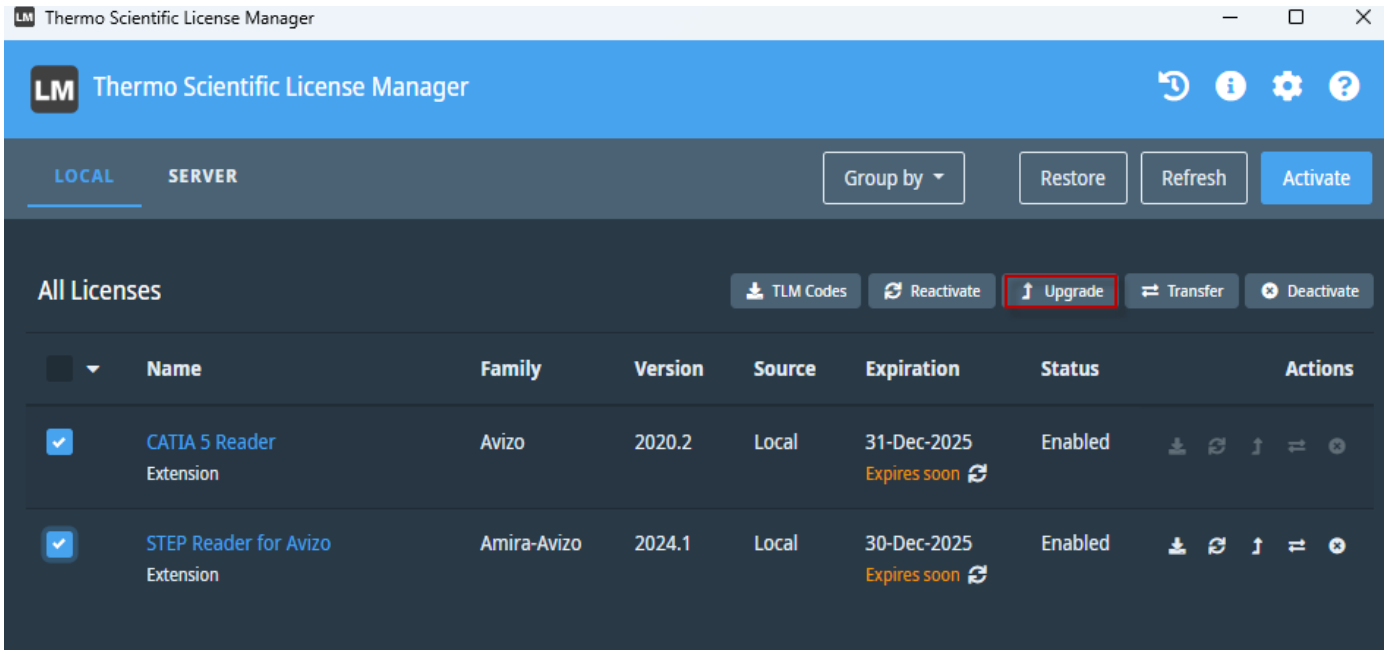
9 Thermo Scientific License Manager 1.6.6

Release Date: October 2021

9.1 New Features and Enhancements

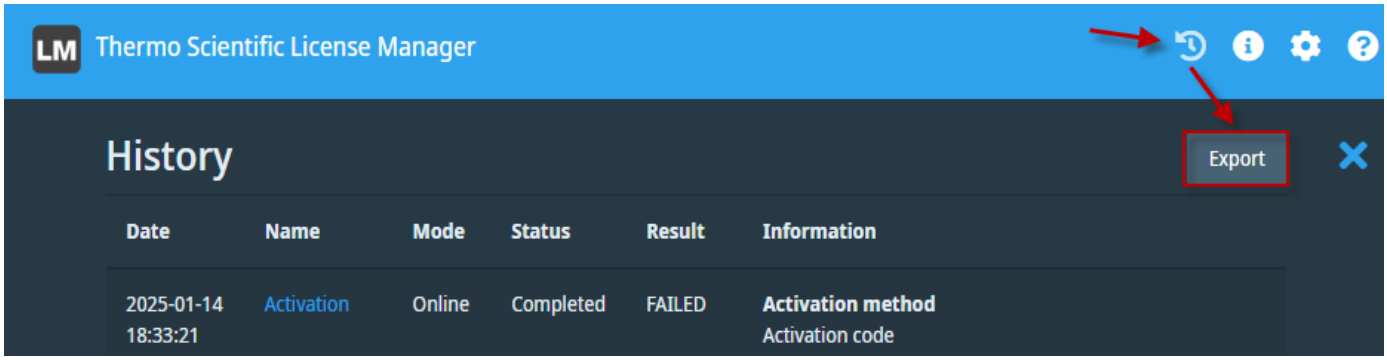
9.1.1 Upgrading licenses

- Introduced a new upgrade feature to simplify the process of updating your licenses whenever a new version of a Thermo Scientific product is available.
    - A new "Upgrade" button has been integrated into TLM.
    - Users can select their local licenses for upgrade and click the "Upgrade" button to initiate the process.
    - The upgrade process can be performed either online or offline, depending on the computer's internet connection.
- **Note**: Offline upgrade mode is exclusively available for licenses from version 2021.1 or later. Before proceeding with the upgrade, ensure that you have activated the license codes received via email when version 2021.1 was released.
- For technical support or to request license codes, please visit our [customer support portal].



9.1.2 Exporting TLM History logs

- Enhanced the diagnosis of TLM issues with our customer support team by allowing users to export the history of all TLM actions into a file.
    - A new "Export" button has been added to the "History" view.
    - Users can easily click the "Export" button to generate a file containing the history of all TLM actions.



9.2 Solved issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[macOS] - TLM creates files in a folder which is cleared at machine reboot	LM-54, LM-55	• **macOS File Storage Update**: In TLM version 1.6.6, the default storage location for TLM files has been changed from the /tmp directory, which is cleared on machine reboot, to /Library/Application Support/Thermo Fisher Scientific/share/. • Introduced a new environment variable TLM_FILES_DIRECTORY to override the default path for TLM shared files.

10 Thermo Scientific License Manager 1.6.5

Release Date: July 2021

10.1 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Linux][Server] - Server settings not correctly applied on Linux	TLM-590	Fixed an issue where the ASGLMD_LICENSE_FILE variable was not being set after configuring the license server in TLM on Linux, causing the licensed software to fail to start. Please note that it is required to run the licensed software from a new terminal to apply TLM settings.
[Linux] - TLM startup failure on CentOS 7	TLM-522, LM-27	Resolved a startup failure on CentOS 7 where TLM would not start unless executed with the –no-sandbox option. TLM can now launch without needing to specify this additional option.

11 Thermo Scientific License Manager 1.6.4

Release Date: May 2021

11.1 Solved Issues

The following table lists the main issues this release fixes. Smaller corrections might have been excluded from this text to keep this detail as complete and useful as possible.

Title	ID	Description
[Permissions] - TLM failure when running TLM with no administrator rights	TLM-550	Fixed an issue where users encountered JavaScript exceptions when running TLM without administrator rights TLM now operates smoothly without the need for administrator privileges.

Revision History

Revision	Date	Description of Changes
2.0.0-a	January -2025	Initial version

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