

# LM-X License Manager v5.4.1 Release Notes

LM-X License Manager version 5.4.1 includes the new features, enhancements and fixes listed below. The improvements in this release were made in response to customer feedback. For more information about how we incorporate customer feedback into our development process, see [Customer-driven development](#).

## Enhancements

LM-X v5.4.1 includes the following new features and enhancements.

Issue #	Description
LMX-4465	Added <a href="#">caching for HAL servers state</a> to reduce connection delay when the first server is down
LMX-4477	Added new <a href="#">LMX_Admin_VerifyCredentials</a> administrative API function and <a href="#">brute force password protection</a>
LMX-4479	Improved client extended log during license checkin
LMX-4503	The Linux installer checks for required packages prior to installation and does not proceed with the installation if any required packages are missing

## Fixes

LM-X v5.4.1 includes the following fixes.

Issue #	Description
LMX-4475	Removed empty xf-dll directory
LMX-4490	Fixed problem with license server hanging under heavy load
LMX-4500	Fixed problem with cloud HostIDs after cloning virtual machine