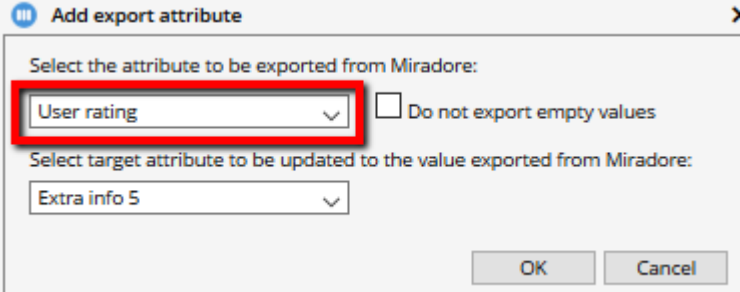# Release Notes

MAJOR IMPROVEMENTS

Debian 10 & macOS Catalina support

Miradore Management Suite now supports the management of macOS Catalina and Debian 10 devices using the 1.6.5 version of Miradore Client for Linux / macOS.

Updates to 3 Step IT, Nordea, F-Secure PSB and Miradore Online integrations

You can now export asset's custom attributes from Miradore Management Suite to 3 Step IT or Nordea using Miradore Connectors. You can configure data fields for export in the connector settings.
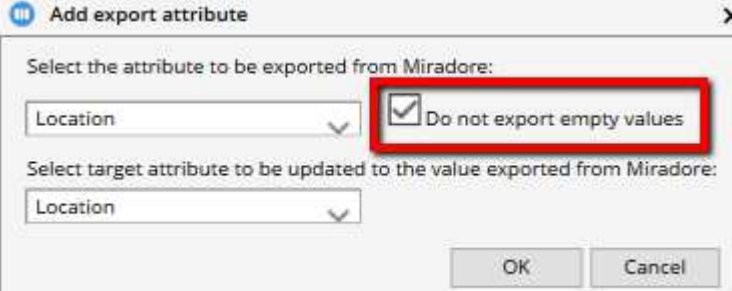
There is a new setting which allows to configure whether the Connector should replicate empty attribute values from Miradore to 3 Step IT / Nordea.

Patch management improvements

- You can now give device users up to 24 hours to restart their devices after patch installations. Earlier the waiting time was limited to eight hours.

- Improved handling of Windows 10 upgrade patches, including support for Windows 10 1909.

- Patch management is now compatible with HTTPS installation points using valid certificates.

- Updated the document of supported products and device platforms.

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Miscellaneous

- Optimized the page load time of the Asset configuration page in environments which have the Endpoint Backup feature enabled

- Operating system identification improved for Windows 10 versions

- Group distribution's postpone/install dialog now tells device user if he/she needs to restart the device after the installations. The dialog can now also be configured to wait user's decision to install or defer the installations for a longer time.
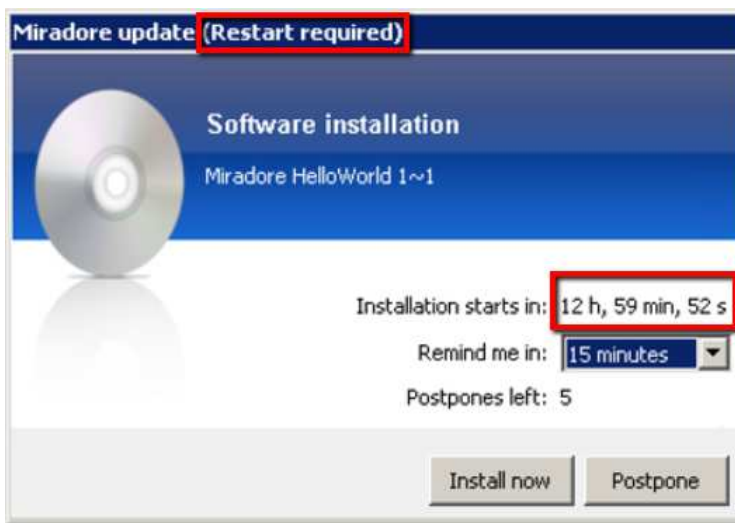
- We renewed Miradore Management Suite's SMTP/email engine which now supports encryption and the use of third-party SMTP servers, such as Gmail. You can configure the SMTP settings at the Main tab of System settings

- Improved the identification of assets having the same network MAC address

OTHER

This is the last version of Miradore Management Suite which can be hosted on a Microsoft Windows Server 2008 or 2008 R2. The support will be dropped in the next version due to Microsoft ending its support for these operating systems.

20+ improvements and 25+ bug fixes. See the entire version-specific release history for detailed descriptions of the changes. When upgrading, see *Upgrade notes* on the product guide.

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NEW COMPONENT VERSIONS

Description

Miradore Client for Windows 3.5.6 fixes a scheduling bug regarding maintenance windows for patching.

Miradore Client for Linux 1.6.5 adds support for managing Debian 10 devices.

Miradore Client for macOS 1.6.5 is notarized by Apple, and it adds support for managing macOS Catalina (version 10.15) devices.

This Client version supports devices starting from OS X Maverics (10.9). You can use earlier Miradore Client versions to manage devices with earlier OS X versions.

Miradore Online Connector 1.1.8 is now compatible with TLS 1.2 and TLS 1.3. The Connector host is required to have .NET Framework 4.7.2 installed. Also error logging was improved for the connector.

F-Secure Protection Service for Business Connector 1.2.0 fixes a bug which prevented the release of F-Secure PSB licenses in situations where hundreds of assets were retired from use in Miradore Management Suite at the same time.

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Miradore Management Suite 5.2.0

IMPROVEMENTS

ID	Feature	Description
MO-1988	Asset management	In the previous versions of Miradore, devices were sometimes incorrectly identified as the same asset when they were installed using an external Ethernet adapter. This happened because MAC address is one of the device identifiers that Miradore uses, and the external adapter's MAC address was automatically recorded for the assets during the installation. We have now added a new field, for blacklisting the MAC addresses of the shared network adapters, to the "System settings > Main > Asset management > Automatically generated items > MAC address blacklist". Enter here the MAC addresses that should not be automatically recorded to asset configuration items.
MO-3078	Documentation	Updated the list of URLs that Miradore's Patch manager component needs to be able to access to in order to function normally. See the *Patch manager* article for details. Updated the list of products and platforms supported by the patch management.
MO-3134	Documentation	Added a new Help article which describes how to create a desktop shortcut to Self-service portal.
MO-3220	Documentation	Updated the documentation regarding the creation of Windows PE startup images. Earlier the Windows Preinstallation Environment was included in Windows Assessment and Deployment Kit, but nowadays you need to download the Windows PE add-on from the Microsoft site and install it separately before creating the images.
MO-3290	Documentation	Added a new Help article about computer health monitoring / pre-emptive maintenance.
MO-2936	Installations management	Earlier it was possible to give device users only up to 99 minutes of time to defer the start of software installations that are part of a group distribution. The limitation for the countdown timer was increased to 9999 minutes for the postpone dialog on the Group distribution item page. For more information, see Postponing group installations.
MO-3085	Installations management	The install/postpone dialog of a group distribution now mentions if a device reboot is required to finalize the installation.

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MO-3110	Patch management	The maximum allowed value of the patch management reboot timer was increased from 480 minutes (8 hours) to 1440 minutes (24 hours).
		The reboot timer defines the time how long Miradore Client waits, showing the "Restart required" dialog to the device user before it automatically reboots the device. During this time, user can choose to restart immediately or postpone the reboot.
MO-3239	Patch management	The size of the patcher.log.old was increased from 8 megabytes to 32 megabytes so that the log can withhold more information about the past patch scans. Also some unnecessary log entries were filtered out from the log.
MO-3103	Reporting	Automation engine now reads also the "Ignore SSL errors" setting from the default client connection settings defined in the system settings of Miradore Management Suite. This change simplifies the configuration of the automation engine for environments using a self-signed SSL certificate.
MO-3237	System internal	New Miradore Management Suite instances installed with the Miradore 5.2.0 installer now use the WebSocket protocol as the default protocol to send Miradore Client wake-up signals.
MO-3274	System internal	Improved support for SMTP encryption methods which also expands the support for third-party SMTP servers.
		Miradore sends automated email messages, such as notifications, enrollment messages and scheduled reports, over SMTP protocol.
		In this version, we have renewed Miradore's SMTP/email engine which now supports encryption and the use of third-party SMTP servers, such as Gmail.
		You can configure the SMTP settings at System settings > Main > SMTP settings.
		There is also a button for testing the email configurations on the header row of that settings table.
MO-3064	System performance	The Asset page's loading time was improved by moving the data regarding endpoint backup jobs from the "Main" to the "Inventory report > Endpoint backup jobs" tab.
		The backup data will no more be loaded when opening the main tab of the asset page.

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BUG FIXES

ID	Feature	Description
MO-1981	Asset management	Macs with iBridge feature were identified incorrectly in certain scenarios because iBridge creates a network interface with the same MAC address in all devices.
MO-3225	Asset management	There was a corrupted installer of Nordea Finance Connector included in the Miradore Management Suite 5.1.0 installer package. The installer failed to start the installation when attempted.
MO-2900 & MO-3288	Asset management	Previous version of Miradore Management Suite was not always able to identify Windows 10 versions correctly. For example, Windows 10 version 1909 was incorrectly identified as 1903.
MO-3247	Command line tool	Command line tool gave an error when it was used to read system settings.
MO-3208	Installations management	Manual installation point selection didn't work when distributing an installation package to a Linux or Mac device. If user attempted to modify the default installation point for the package distribution, Miradore complained that it wasn't able to queue the package for installation.
MO-3226	Installations management	Miradore installer misconfigured the installation point to use HTTP when it was used to set up a new instance of Miradore Management Suite with an installation point on the same server and "Use HTTPS" and "Require HTTPS" options were both enabled.
MO-3275	Installations management	Boot order was incorrectly configured for some device models during initial installation. As a result of this issue, the misconfigured devices tried to boot primarily from a network boot (PXE) server after the initial installation.
MO-3284	Installations management	BitLocker activation failed on some Windows computers when it was attempted using the "Miradore Enable BitLocker~1" package. The package returned "Invalid XML content" as the error output.
MO-3071	Patch management	A maintenance window for patch installations got skipped if a patch scan was still running when the maintenance window started. This problem is fixed in Miradore Client for Windows 3.5.6 The new default behavior is that Miradore will stop a patch scan if a maintenance window for patch installations is starting, and continue the patch scanning again after the maintenance window has ended.

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| MO-3199 | Patch management | Earlier versions of Miradore displayed Windows 10 1903 upgrade patches with an incorrect name.

This fix is also included in Miradore Management Suite 5.1.0 hotfix package. |
|---|---|---|
| MO-3200 | Patch management | Upgrading managed device's operating systems from Windows 10 version 1809 to Windows 10 1903 with Miradore's Patch management failed.

This fix is also included in Miradore Management Suite 5.1.0 hotfix package. |
| MO-3204 | Patch management | The "Show matching patches" task didn't work properly on the "Security patch automatic approval rule" page if the "Product" filter was empty.

This fix is also included in Miradore Management Suite 5.1.0 hotfix package. |
| MO-3207 | Patch management | Fixed a bug which sometimes caused a patch to appear multiple times in the user interface of Miradore.

Contact to Miradore support if you ever see duplicate patches in your environment.

This fix is also included in Miradore Management Suite 5.1.0 hotfix package. |
| MO-3217 | Patch management | A wrong date was sometimes shown in the "Next scheduled date" field for the patch installation schedules. The problem was, however, only in the user interface and the patches actually were installed on correct dates according to the intended schedule. |
| MO-3235 | Patch management | Miradore's patch management client didn't work with HTTPS installation points and valid SSL certificates which complicated the patch management for the devices on field.

After this fix, the patch management client will use the same PEM file with Miradore Client. |
| MO-3236 | Patch management | The status of Windows 10 feature upgrades was sometimes reported incorrectly as "Installed pending for reboot" although the feature upgrade had actually failed. Rebooting devices again didn't change the status either which prevented from retrying the upgrade. |
| MO-3244 | Patch management | Miradore stores patch installers at the media master installation point for some time (90 days by default) even if the patch wouldn't be used at all. After the specified time, the patch data will be removed to conserve disk space.

There was a bug, however, which caused Miradore to delete and re-download the patch installation media again and again if the patch wasn't installed in between the daily patch download and removal tasks. |

MO-3262	Patch management	Automatic downloading of patch payloads failed if any operating system media hadn't been imported to the Miradore Management Suite instance earlier.
MO-3287	Patch management	Upgrading older Windows versions to Windows 10 1903 with Miradore's patch management failed if the "Max bandwidth for file copying" setting was enabled for the device locations on Miradore.
MO-3241	Reporting	Custom quality index indicator's value didn't get updated for quality index reports if the new indicator value was zero.
MO-3214	System internal	Asset inventory data imports failed in environments where the use of TLS 1.2 was enforced if Miradore server had too old database drivers installed. The installer of Miradore Management Suite 5.2.0 has been improved so that it checks the database driver version and installs the required utilities if necessary.
MO-3206	System performance	Miradore server suffered extremely high CPU load if Websocket was used as the primary method to wake up Miradore clients and there were incorrectly installed (cloned) Miradore Clients in the environment. As a symptom of this issue, the CPU usage on IIS Application pool got exceptionally high and caused Miradore server to slow down or stop responding completely. This fix is also included in Miradore Management Suite 5.1.0 hotfix package.
MO-3248	System usability	Data filtering in views didn't work correctly by multiple locations or organisations. Now you can create a filter which shows you the view items in several locations or organisations at once. For example, assets in Paris or London.