

# Release Notes

Miradore Management Suite 5.3.0

## MAJOR IMPROVEMENTS

### Improved user experience on Asset page

User interface now highlights the required fields more clearly on the asset form and saves all modifications to asset data when changing the asset status.

### Active Directory and Offline Domain Join Connectors to support LDAPS

Admins can now configure Offline Domain Join Connector 2.0 and Microsoft Active Directory Connector 2.8.4 to use an LDAPS connection to AD. In addition, the ODJ Connector 2.0 connects to Miradore server via WebSockets, which improves the reliability of the connector.

### Information security improvements to Clients and Connectors

We have made important information security improvements to Miradore Clients on all platforms and also to the 3 Step IT, F-Secure Policy Manager, F-Secure Protection Service for Business, Microsoft Active Directory, Microsoft SCCM and Offline Domain Join Connectors.

Make sure you upgrade all of the above-mentioned Clients and Connectors to the latest version to ensure the functionality and maximum security of your Miradore environment. You can find instructions and more details about the changes from *Upgrade Notes* in the Product Guide.

### Other improvements

- Miradore now collects Windows-provided inventory data of the status of antivirus, firewall and anti-spyware products on computers running Windows 7 or newer.
- Admins can now choose which certificate store Miradore Windows Clients should use to check the validity of certificates used for HTTPS connections to Miradore Server.
- We added twelve new dashboard widgets to the Widget Gallery and several new configuration items and data attributes to the Web Service API and report builder. You can find more information about those on the following pages.
- Altogether more than 30 improvements and 20 bug fixes.

# Release Notes

Miradore Management Suite 5.3.0

## NEW COMPONENT VERSIONS

### **Miradore Client for Windows 3.5.8**

Security improvements to Client-Server communications and support for certificate store configuration.

### **Miradore Clients for macOS and Linux 1.6.6**

Security improvements to Client-Server communications.

### **Miradore Connector for 3 Step IT 4.1.1**

Security improvements and fixes to known bugs with multiple connector configurations.

### **Miradore Connector for F-Secure Policy Manager 1.6.0**

Security improvements and support for new versions of Policy Manager.

### **Miradore Connector for F-Secure Protection Service for Business 1.2.1**

Security improvements and fixes to known bugs with multiple connector configurations.

### **Miradore Connector for Microsoft Active Directory 2.8.4**

Security improvements, support for LDAPS connection and a fix to known data import bug.

### **Miradore Connector for Microsoft SCCM 1.3.6**

Security improvements.

### **Miradore Offline Domain Join Connector 2.0**

Improvements to security and reliability of Miradore server connections, support for LDAPS connection and a fix to a known bug in performing the offline domain join.

### **Endpoint Backup Server 1.4.2**

Support for using TLS 1.2 on Miradore server connection.

# Release Notes

Miradore Management Suite 5.3.0

## IMPROVEMENTS

Feature	Description
Asset management	<p>Miradore now shows Windows-provided inventory information about device's security products on the Asset configuration item's Security inventory tab.</p> <p>Notice that the information is not available for devices running server version of Windows. Windows desktop versions are supported starting from Windows 7.</p>
Asset management	<p>Administrators can now configure which certificate store Miradore Clients should use as a reference for HTTPS connections with Miradore server. The Clients can be configured to use a local rootCerts.pem container file, operating system's certificate store, or both to obtain a trusted certificate for secure connections.</p> <p>For more information, read <i>Certificate store for Miradore Client connections</i> from the Product Guide.</p>
Asset management	<p>WebSocket connections between Miradore Clients and Miradore server now support IPv6.</p>
Documentation	<p>Miradore product guide now advises administrators to avoid giving excessive user permissions to the user accounts that are used to read/write installation point contents. See <i>Installation point sharing and permissions</i> from the Product Guide for more information.</p> <p>We recommend to check the permissions of the user accounts that are used in your environment. You can find the user accounts from the following places in Miradore:</p> <ul style="list-style-type: none"><li>• Default account: System settings &gt; Main &gt; Installations management &gt; Installation point authentication</li><li>• Installation point specific accounts: Administration &gt; Feature settings &gt; Installation settings &gt; Installation points &gt; Installation point form &gt; Read authentication</li></ul>

# Release Notes

## Miradore Management Suite 5.3.0

Patch management Reboot behaviour was improved for those cases when reboot is initiated without showing a reboot dialog. The improved reboot heuristic now skips unnecessary patch inventory scan before the reboot, which saves time.

---

Reporting Updated widget gallery contains bug fixes for two existing widgets and also adds twelve new widgets that you can use to build dashboards:

New dashboard widgets in Miradore 5.3.0:

- Patches not installed
- # Assets with full patch retry count
- Failed patch installations last 7 days
- Windows 10 versions
- Computer OS
- Windows Client versions
- Linux Client versions
- Mac Client versions
- BitLocker status on C: drive
- Software with most licenses missing
- Software licenses missing
- Assets with slowest last boot times (seconds)

You can find a description for each widget from the Widget Gallery.

---

Reporting The following new items and attributes were added to Web service API, Report builder and Dashboard widget builder:

- *InitialInstallationEnabled* attribute under the OS item. This attribute tells whether the operating system has initial installation enabled or not. We recommend to include also *OSCategory* attribute in reports, because there can be both Windows and Linux devices which have initial installation enabled.
  - *MediaFolder* attribute under the Package item. This attribute contains the file path to the package's media folder.
-

# Release Notes

## Miradore Management Suite 5.3.0

- New Asset extensions *EndpointBackupJobConfiguration* and *EndpointBackupReport* which can be used, for example, to create reports and dashboard widgets for showing the endpoint backup jobs performed on a device or to find devices which are not backed up.
- New Asset extension *InvLastLoggedInUser* contains the username of the last user who has logged into the device according to the device inventory data.
- New Asset extension *InvSecurityProduct* contains Windows-provided information about device's security products such as firewall and antivirus solutions. Notice that this inventory data is not available for server versions of Microsoft Windows. Windows desktop versions are supported starting from Windows 7.
- *AssetSpecificPackage* item, containing information about asset-specific packages attached to the initial installation.
- *SystemTask* item, containing information about Miradore system tasks and their status.

Check *Widget example - Monitoring Miradore systems tasks* from the Product Guide to learn how to monitor the execution of Miradore system tasks.

---

System internal    Logging was improved for inventory data imports. Now the logs contain information from a longer period.

---

System internal    Removed "Run inventory" feature. This means that clientless inventory is no longer supported.

---

# Release Notes

## Miradore Management Suite 5.3.0

**System security** Miradore now shows a warning and a blinking red icon on the bottom-right corner of the user interface if your Miradore instance is configured to ignore SSL errors or if Miradore Clients in your environment are allowed to connect to Miradore server using regular HTTP instead of HTTPS/SSL.

You can get rid of the warnings by disabling the ignore SSL errors and by enabling the use of HTTPS for client connections.

---

**System usability** Configuration of Windows Client enrollment rules is now easier as the deployer account selection was simplified.

---

**System usability** Improved the usability of the Asset form.

- User may now easily see the required information on the form, since the mandatory fields are better highlighted.

The Close button was removed to clarify the actions on the Asset form. The form can be closed from the browser's close button.

---

**System usability** Renamed the Save and schedule -button of the Report builder in order to make clearer its functionality. With "Save and schedule actions" user may create automation task, for example, to schedule the report for email delivery, automate patch deployment or change status of the assets in the report.

---

**Web service API** Multiple new items and attributes were added to Miradore Management Suite API.

See the *API specification* for more details and example queries.

---

# Release Notes

Miradore Management Suite 5.3.0

## BUG FIXES

Feature	Description
Asset management	Inventory data import got stuck in certain situations due to lack of file permissions. Now inventory import skips files that it cannot process.
Asset management	Import of Add/remove programs inventory data from managed devices to Miradore server failed in certain scenarios. Error handling was improved to address this type of issues.
Asset management	If the user ended editing the asset form by changing the asset status, the other modifications on the form were discarded. Now the modifications are saved when user clicks the button for changing the status.
Asset management	<p>New version 1.2.1 of F-Secure Protection Service for Business Connector fixes two bugs.</p> <p>Due to the bugs, connector status was incorrectly reported in Miradore if user had specified multiple connector configurations using the connector configurator. Connector settings were also saved under a wrong registry key, because the connector configurator ran in 32-bit mode also on 64-bit computers.</p>
Installations management	Miradore started operating system upgrades in managed devices also outside maintenance windows which should not happen.
Installations management	<p>Windows 10 1903 or 1909 didn't become selectable for initial installation in Miradore if the provided installation media contained only one edition of Windows.</p> <p>This rare error situation was fixed by improving the operating system detection in the GetOSInfo.cmd script.</p>
Installations management	Static TCP/IP settings configured to the asset form didn't get applied to some devices during initial installation. This bug happened only with certain device models.

# Release Notes

## Miradore Management Suite 5.3.0

Installations management BitLocker activation failed sometimes during initial installation because Miradore didn't check the to-be-installed operating system correctly and that's why the BitLocker activation package was not included in the initial installation sequence.

---

Installations management The status of file replication was sometimes incorrectly reported for installation points when file exclusion rules had been specified for the replication. Due to this bug, installation points sometimes seemed to be out-of-sync even when the replication had succeeded.

---

MSP Console On Miradore 5.2.0 HF2 environments, the system task "Process MSP Console jobs" failed due to insufficient permissions while trying to access Miradore server's registry.

---

System internal Configuration changes were not recorded to the Offline Domain Join connector's Event log in Miradore.

---

System internal Connector page didn't show any *Created* date for installed connectors.

---