

Release Notes

Miria 4.0

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1. Procedure For Upgrading From An Older Version

Before upgrading your environment to Atempo Miria 4.0, we recommend that you do the following:

- If you upgrade from a version before Miria 2020, please refer to Migrating the Database from a Version prior to 3.10 in Miria Installation documentation.
- If you are using a third-party integration with Atempo Web Services, please read carefully and test changes before upgrading your production instance.
- Make a backup of your current database.
See section Restoring the Miria Database in the Atempo Miria Administrator's Documentation for more information about this procedure.



2. New Features

2.1. LTFS Media Duplication

This new feature covers three main needs:

- Simple copy: to clone from one media to another.
- Media consolidation: to duplicate data from N LTFS sources to 1 LTFS target.
- Media generation change: to migrate, for example from LTO-7 or 8 to LTO-9.

2.2. Immutable Disk Repository (Linux)

This version delivers the new capability to create an Immutable Disk Repository (IDR) that delivers true data immutability in a storage directly managed by Miria.

This immutable disk repository can be created on a Linux system featuring an ext3/4 or XFS partition that is selected as a target within Miria.

For optimal security of your data, we strongly recommend the creation of a dedicated partition as well as hardening root account security on the Linux system.

2.3. Web User Interface

This 4.0 release of Miria starts the End of Life process of the graphical interface. Please see more information at the end of this document.


2.3.1. Web User Interface (UI) Dark Mode

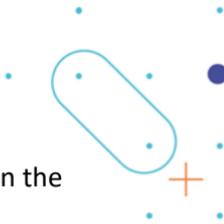
The dark mode is now available as an interface theme for Miria. This new feature provides visual comfort to regular users of dark themes (such as people with low vision).

- The user interface will automatically switch color profiles based on the user's OS or browser settings
- If you'd like to view the software in light or dark mode, you can click on the dark mode button on the top bar menu to switch between the themes and your preference will persist across sessions.
- The moon button applies the new built-in dark mode, and the light button maintains the current look.

2.3.2. Advanced Tasks

It is now possible to fully manage advanced tasks from the Web UI. To access the tasks, select the task tab in the left pane on your navigation screen.

- You can create a new advanced task, by clicking the button **+NEW**, and by selecting a type such as **Catalog ingest**.
- Clicking the  button located at the end of each task line gives you several options to perform individually on them:
 - **Edit task**
 - **Start task**
 - **Start task in test mode**
 - **Duplicate task**
 - **Disable**
 - **Email**



- **Settings**

- The activity associated to these advanced tasks is visible in the Jobs section, as previously in the old graphical user interface.

2.3.3. Metadata Management


A new Menu entry **Metadata** is now available and provides a dedicated interface to easily create new metadata and manage existing ones via the web user interface.

To access, click the **Parameters** tab in the left pane on your navigation screen. Then select the **Metadata** tile.

2.3.4. Permissions Management

A new Menu entry **Permissions** is now available and provides a dedicated interface to manage permissions easily on all Miria repositories.

This interface enables the admin to create rule that control and authorize action at the individual object level.

To access, click the **Repositories** tab in the configuration section of the left pane on your navigation screen. Then, click the  button located at the end of each line and select **Permissions** entry.

2.3.5. Media Manager

A new Menu entry **Media Manager** is now available and provides a dedicated interface to manage libraries and media easily.

This entry is used to:

- Create and configure new media, media pool, drives, library,
- Display drives and media status,
- Display media location,
- And globally, perform all drives and media-related actions previously available in the old interface.

To access click the **Parameters** tab in the left pane on your navigation screen. Then select **Media Manager** ([Figure 1](#)).

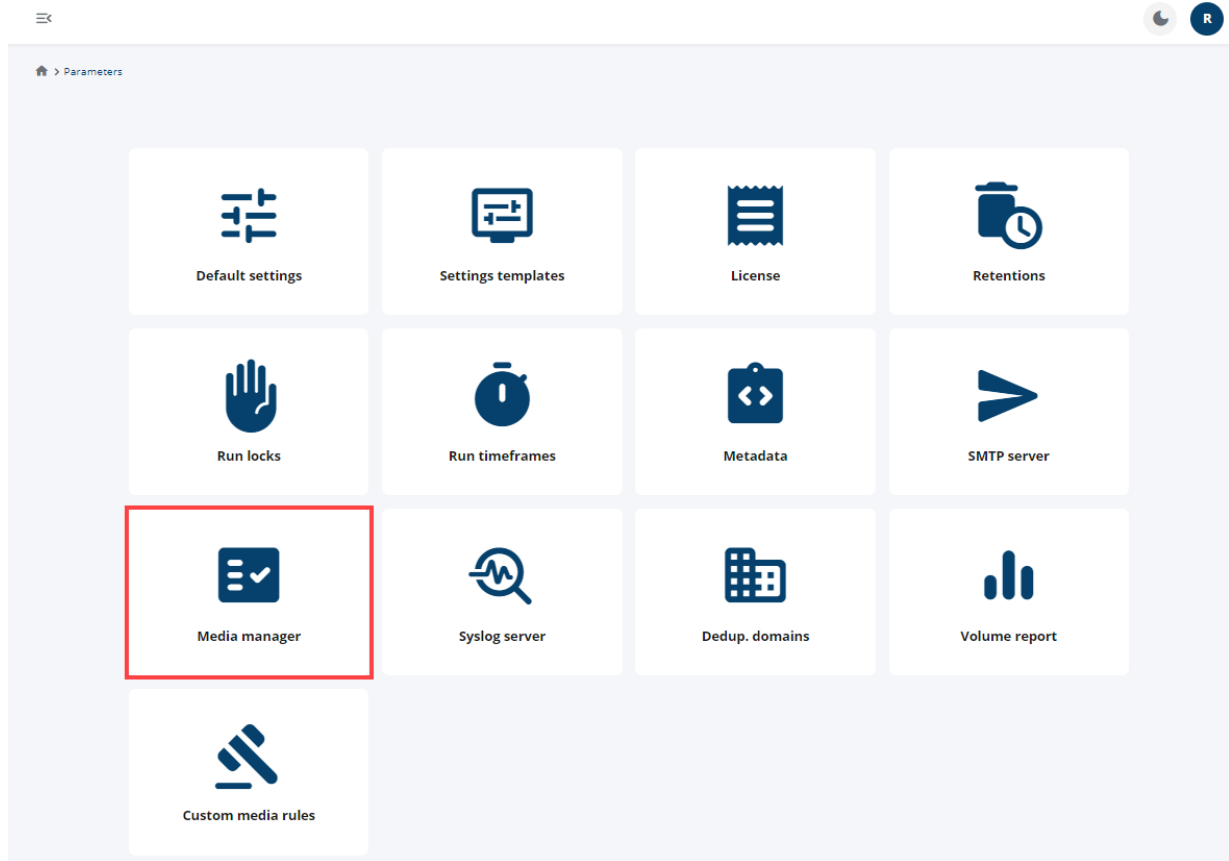
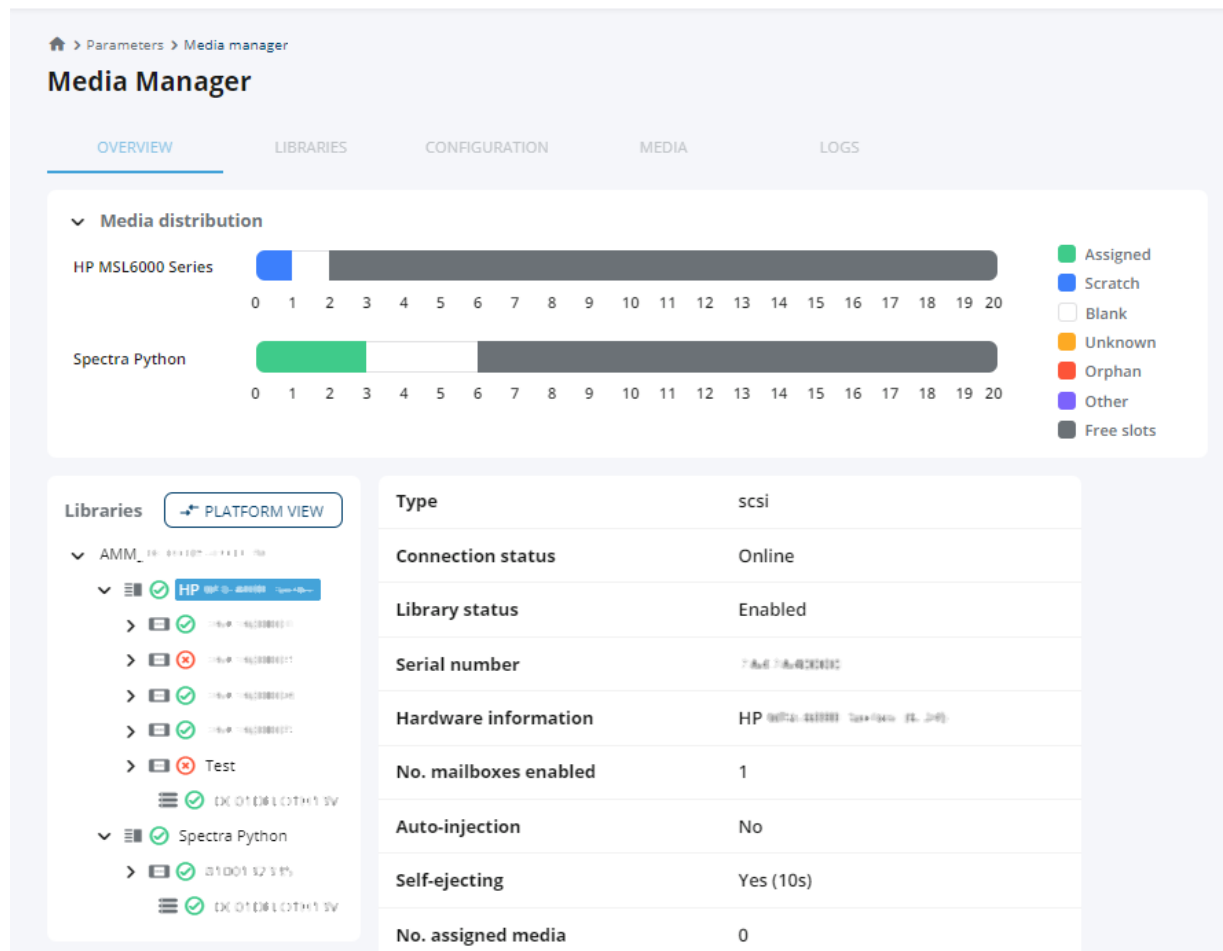


Figure 1: Media manager tile

You access the Media manager interface:



Note: At the moment, the documentation about the use of the Media Manager is not available in the Web UI guides. The Web version of the Media Manager is organized to maintain the same structure as found in the Graphical Interface and described in the administration guide, see [chapter Administering Media Manager](#).

2.3.6. Secured SMTP Connector

SMTP server used to send emails can now be configured directly in the web interface and some new settings can be configured.

Miria now supports both secured protocols (SSL / TLS) and authentication, enabling to use cloud providers such as M365 to send emails.

To access SMTP configuration, click the **Parameters** tab in the left pane of your navigation screen. Then click **SMTP server**.

2.3.7. Syslog Server Logs Shipping

A remote syslog server can now be configured directly in the web user interface to receive logs from Miria.

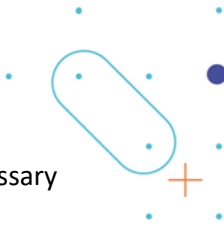
This features supports UDP / TCP and TCPS protocols and allows you to choose between two different



formats for log messages RFC3164 and RFC5424.

Logs to be forwarded to remote syslog server can be filtered by severity to avoid sending unnecessary messages.

To access syslog server configuration, click the **Parameters** tab in the left pane of your navigation screen. Then click **Syslog server**.



3. Enhancements

3.1. Public REST API

The Public REST API enable to integrate Miria high-performance data management platform inside customers own global infrastructure.

REST API are fully compliant with Open API Standard and fully documented through Open API Specifications.

Development mainly focus on the following areas:

- REST API requirements from CyberSecurity Team: The Atempo Cyber team has worked on Rest API threat analysis, that lead to a list of points to take into account in order to limit threats.
- List of new media-managers endpoints available:
 - /media-managers/{mediaManagerId}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/drives/{driveName}/perf/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/maps/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/maps/{mapId}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/{tapeId}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/{tapeId}/scratch/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/groups/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/groups/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/groups/{tapeGroupId}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/groups/{tapeGroupId}/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/scratch-pool/
 - /media-managers/{mediaManagerId}/libraries/{libraryName}/tapes/tape-types/
 - /media-managers/events/
 - /media-managers/servers/
 - /media-managers/servers/{serverId}/
- New Browse endpoints available
- Improvement of the API logging system: Currently the Rest API is logging into Apache logs. The objective is to improve the API logging system.
 - The Rest API logs will be recorded into dedicated log files.
 - These logs will be saved into Miria event table with all Miria logs in order to enable user to see the logs generated by APIs through Web UI
 - All Create, Read, Update, Delete (CRUD) operations, errors and exceptions will be logged in the logs.
 - Ability to forward the API logs to a syslog server
- API Audit Log: The objective is to record
 - All the queries that will update the database.
 - All the security events
 - All user logins
 - Invalid token requests



3.2. Web User Interface

3.2.1. Advanced PDF Report For Data Migration Tasks

The Web interface and REST API now offers the option to produce the detailed report of each migration job as a PDF document that can be downloaded.

Note: Those detailed reports cannot be generated in French nor Chinese.

3.2.2. Miscellaneous

- User experience harmonized.
- Platforms alias
- Platforms proxy IO
- Job settings
- Task email
- Task archive report history
- etc...



4. Compatibility

4.1. FastScan For Quantum StorNext

Our FastScan feature, aiming to save time during incremental operations, is now available on Quantum StorNext shared filesystem. MDC server has to be a Linux one.

4.2. Cloudian: S3 Object Lock Attribute Management

We now support data immutability in both modes (Governance and Compliance) on Cloudian HyperStore.

5. Known Issues


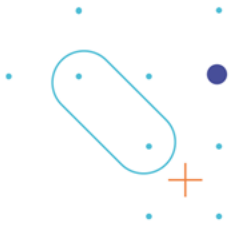
- [19137] - High - When working with an external database for the AMM server, the Rest API does not load.
- [19318/19059] - Medium - Set up can occasionally crashes due to lack of memory on Windows and Linux.
Work around - Contact Atempo support to get a patch.
- [19303] - Medium - REST API: End-point browsing on object storages can produce an 'unable to open browser'.
Workaround - Contact Atempo support to get a patch.
- [19257] - Medium - On an S3 storage a wrong Time-Zone can sometimes be applied when managing retention-retaining-time set on an object lock.
Workaround - Contact Atempo support to get a patch.
- [19238] - Medium - User web interface: When restoring originally, it was occasionally done at the root of the drive.
Workaround - Contact Atempo support to get a patch.
- [18799] - Minor - In the graphical interface: when archiving a single large file, the media selected is not showing during the job processing. The media is only shown at the end of the job.
- [18466] - Minor - Windows: The backup of the PostgreSQL database does not work when selecting compression. Please do not use compression for now. Fix is on its way.

On Linux ARM:

- [17983/17970] OpenSSL fails to create a connection.
- [17971] Creation of LDAP user fails.

The following features from the graphical interface are not available in the User Web interface yet:

- Duplicate repository (project archive)
- Check SM integrity
- Organizations not managed in Web UI
- Agents:
 - AER generation
 - Device list
 - Device Scan
- Agent/NAS/shared FS - Snapshot list
- Media list (PM choice) only in media manager application
- User
 - Connection domain
 - Groups
- Trusted domain
- Tasks:
 - Convert task
 - Snapshot list
- Jobs:
 - - job/sub job/QAC/QAD details
 - Validation
 - Validation of retention job
 - Statistics
 - View main sub job
 - View related jobs

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- Media list (table view/graph view)
 - Snapshot list
 - Server - Sessions processes
 - Events:
 - Show detailed events
 - Media manager events
 - View processes
 - Volume report graph
 - Database monitoring
 - Proxy I/O
 - Repository - instances - sessions - view media
 - Applications:
 - Ingest
 - Final cut server
 - Avid interplay
 - Fork
 - External applications



6. End Of Life Announcement

This 4.0 release of Miria starts the End of Life process of the graphical interace. From Miria 4.0 GA date, the old admin will start entering maintenance mode for one year, and will only get bug fixing. New capabilities will only be implemented in the Web interface. After a year, the old admin will stop being delivered in the standard packages and maintenance will be stopped.



7. Support & Download

To download the latest version of Miria, please visit our Customer Portal: <https://support.atempo.com>.

If you have not received your connection information, please contact our Support team:

- Email: support@atempo.com
- Telephone:
 - USA +1 41 59 15 32 34
 - EMEA/APAC +33 164 868 383