

Atempo Setup Guide

Application Note

January 2025

ANNOUNCEMENT

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PREFACE

Technical Support

Do you have any questions or need help trouble-shooting a problem? Please contact QSAN Support, we will reply to you as soon as possible.

- Via the Web: https://www.qsan.com/technical_support
- Via Telephone: +886-2-77206355
- (Service hours: 09:30 - 18:00, Monday - Friday, UTC+8)
- Via Skype Chat, Skype ID: qsan.support
- (Service hours: 09:30 - 02:00, Monday - Friday, UTC+8, Summer time: 09:30 - 01:00)
- Via Email: support@qsan.com

Information, Tip, and Caution

This document uses the following symbols to draw attention to important safety and operational information.



INFORMATION

INFORMATION provides useful knowledge, definition, or terminology for reference.



TIP

TIP provides helpful suggestions for performing tasks more effectively.



CAUTION

CAUTION indicates that failure to take a specified action could result in damage to the system.

1. INTRODUCTION TO ATEMPO

Atempo is a prominent independent software vendor based in Europe, specializing in data protection and management solutions. With over 25 years of experience, Atempo serves a diverse clientele, including companies in sectors such as media, healthcare, and government, managing complex environments and large volumes of unstructured data.

1.1. Atempo Miria for Archive

Miria is one of Atempo's product suite. It is a comprehensive data management platform designed to handle large amounts of unstructured data. It also provides a set of customized solutions for various data management needs.



Figure 1-1 Atempo Miria for Archive

Miria for Archiving is a specialized software solution designed to manage the archiving of digital information across various storage environments. This component enables organizations to archive massive datasets securely and efficiently. It integrates seamlessly into existing workflows, supports open and scalable formats, and eliminates storage vendor lock-in. Users can perform archiving tasks manually through a drag-and-drop interface or set up automated processes based on predefined policies. The solution also provides advanced metadata search capabilities, facilitating easy retrieval of archived data.

2. CONFIGURATION SETTINGS

Atempo Miria is a powerful and flexible archiving solution that provides an effective way to protect data while optimizing storage utilization. When combined with QSAN's powerful QSM 4 CIFS sharing capabilities, organizations can achieve seamless integration for efficient data backup and archiving.

In this chapter, we will take a closer look at the backup solution that combines Atempo software with QSAN storage. We will guide you to configure QSAN QSM4 CIFS share and integrate it with Atempo Archive for effective data backup. It highlights best practices to ensure optimal performance and reliability for your archiving needs.

2.1. Environment and Topology

Demonstration Environment

- Server
 - CPU: 4 cores
 - Memory: 8 GB
 - OS: Windows 11
- Storage
 - Model: XN8124D
 - Memory: 16 GB per controller
 - IP: 192.168.195.1

Demonstration Topology

The connections are very simple, here are the connections in brief and any topology will work if the logical connection is pingable.

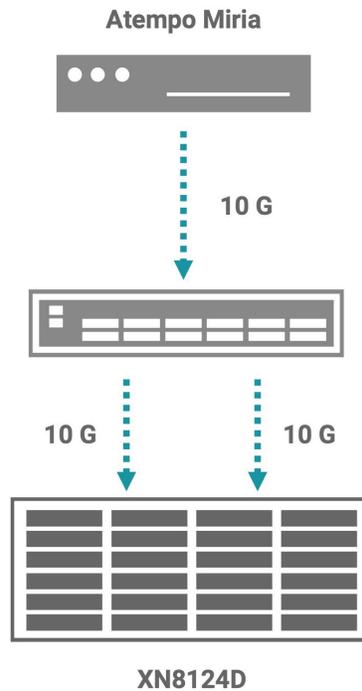


Figure 2-1 Demonstration Topology

2.2. Configure Backup Steps

In this use case scenario, we will explore a simple procedure to perform a backup using Atempo Miria for archive and store the backup data on an unified storage solution. This configuration ensures the security and accessibility of critical data, providing a reliable solution for data protection and disaster recovery needs.

1. Create a pool, file volume, and share named "Atempo," then add it to the share host group with CIFS protocol.

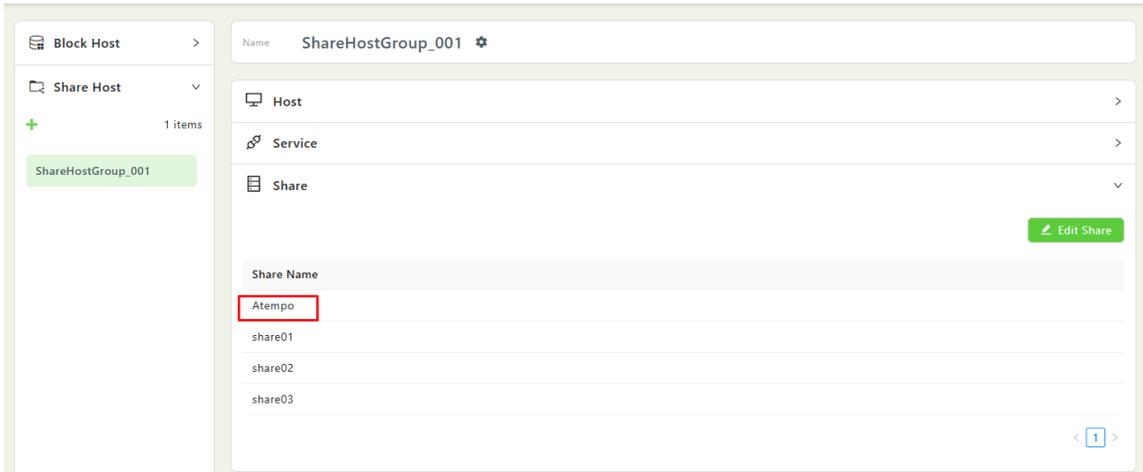


Figure 2-2 Create CIFS share

2. Login to Atempo Miria and then go to **Infrastructure -> Data Movers**, configure it as a Window host.

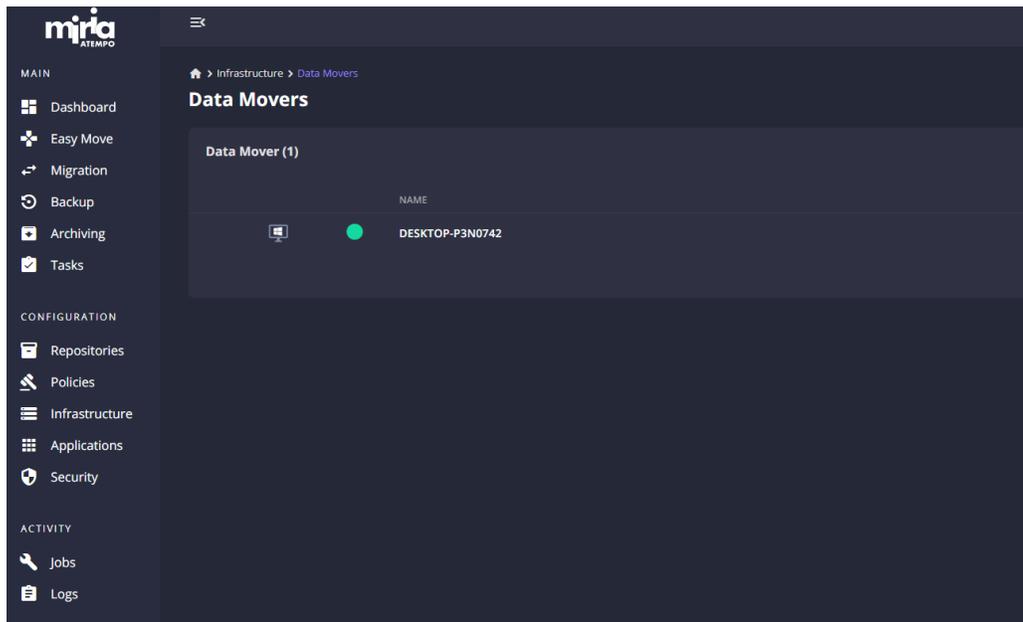


Figure 2-3 Configure Data Mover

3. Click the **NAS** icon.

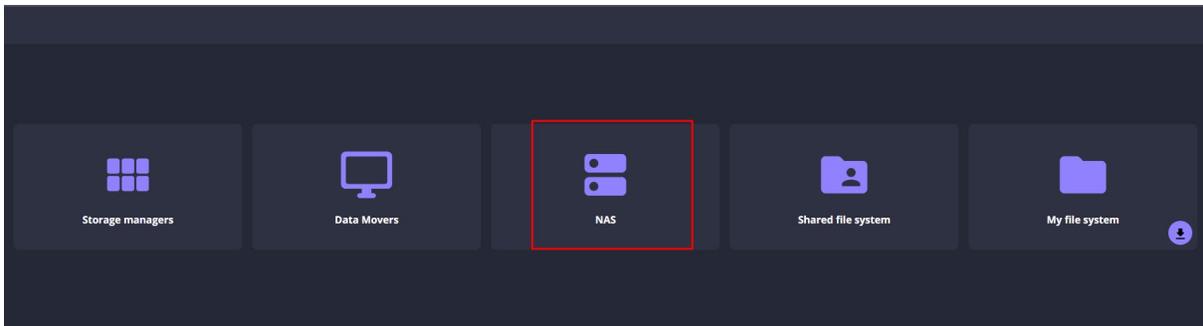


Figure 2-4 Configure NAS Step 1

4. Select NAS type as **Other**, protocol as **Windows (CIFS)**, and data movers as **Single Data Mover**.

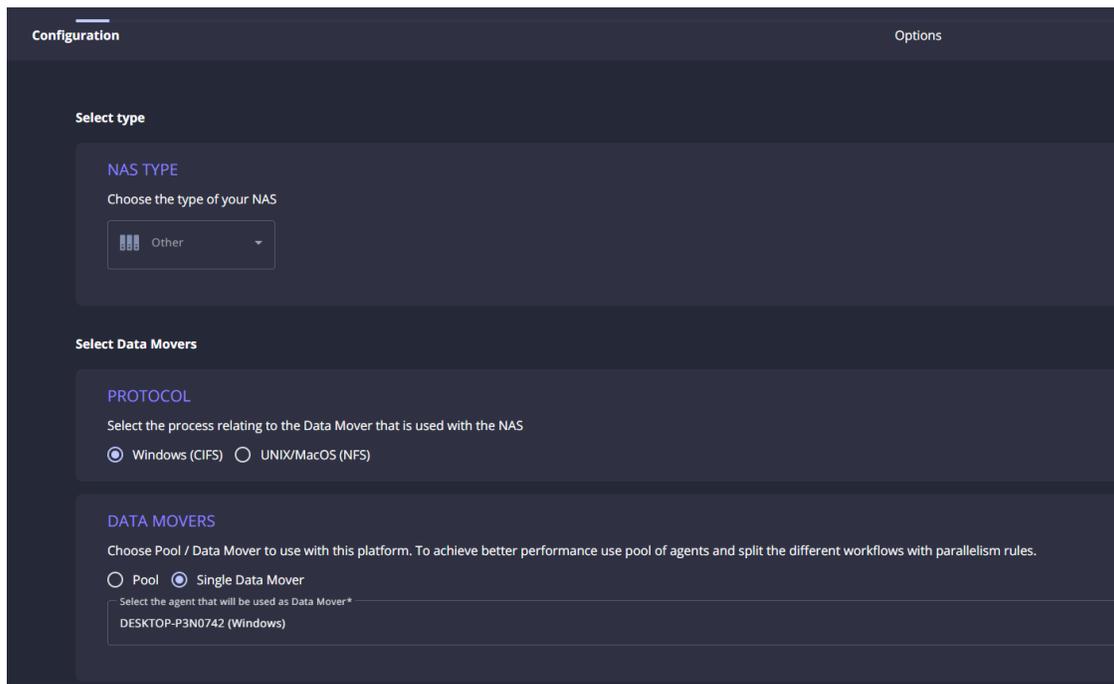


Figure 2-5 Configure NAS Step 2

5. Type "host=NAS IP." in the **Stream option**.

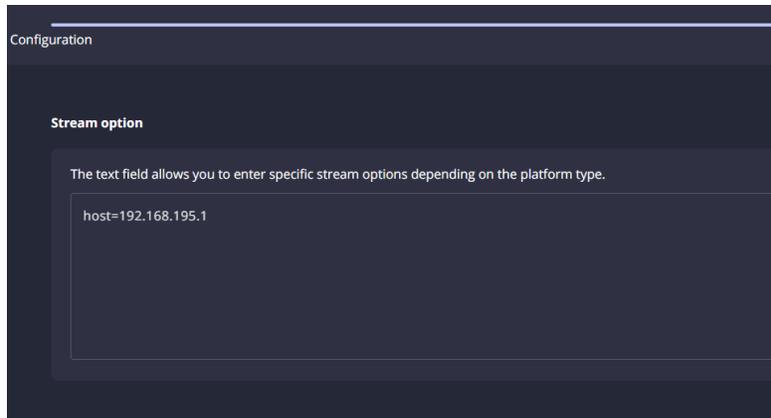


Figure 2-6 Configure NAS Step 3

6. Enter a **NAS name**, Windows account includes **Session user** and **Password**, then click the **Create** button.

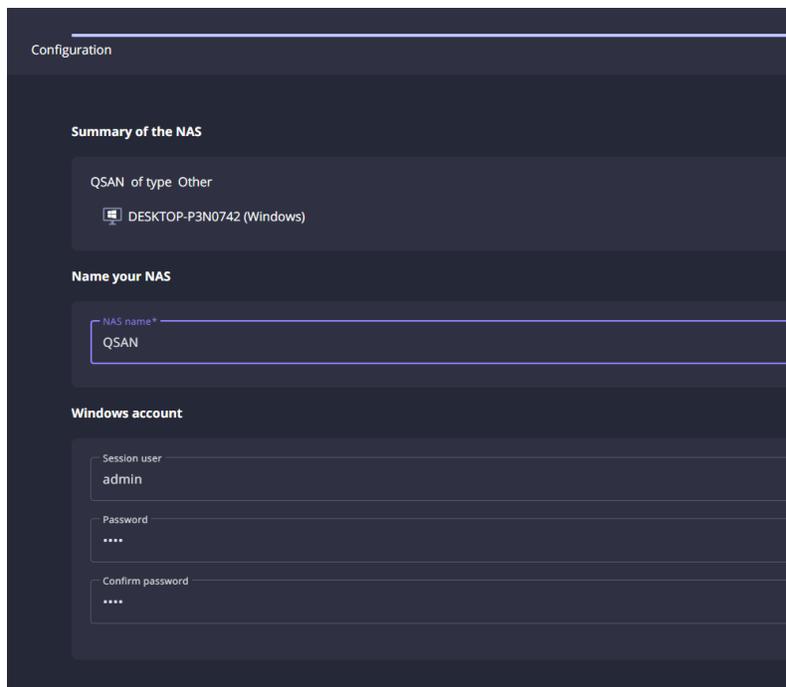


Figure 2-7 Configure NAS Step 4

7. Configure storage manager and select the NAS as storage platform.

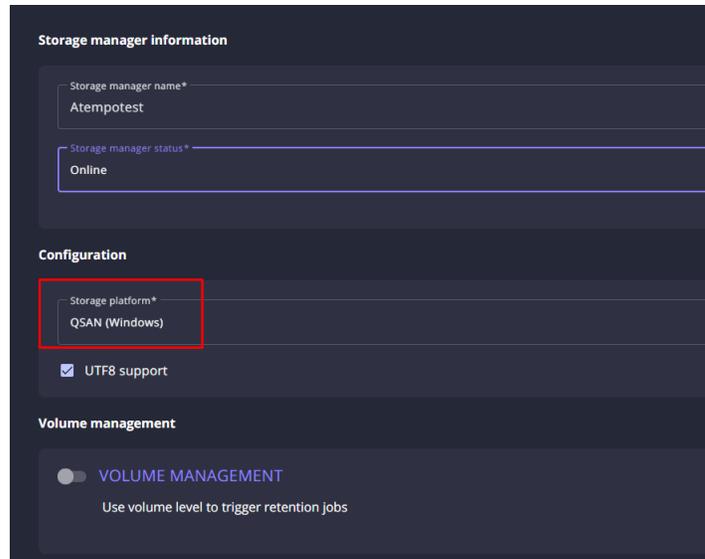


Figure 2-8 Configure Storage Manager

8. Configure container in the Storage manager, and select the NAS path.

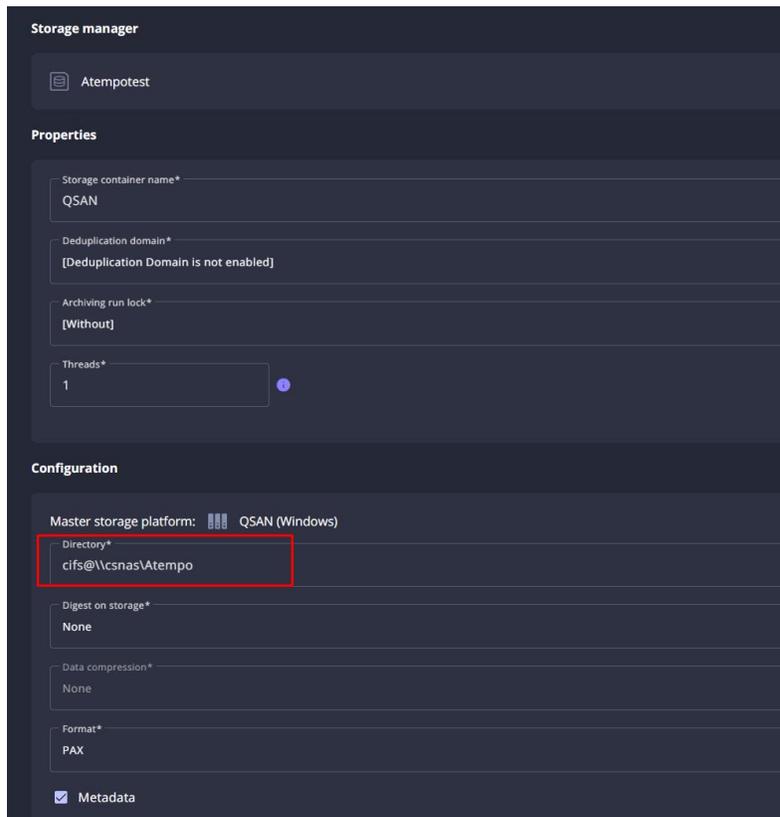


Figure 2-9 Configure Container

9. Configure policies, and add NAS as target.

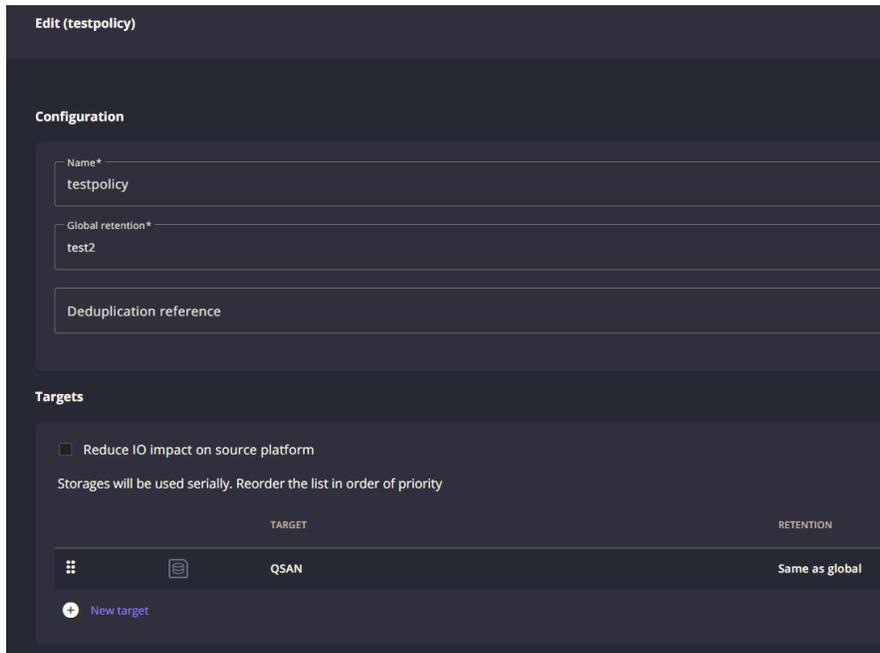


Figure 2-10 Configure Policies

10. Click the **+NEW REPOSITORY** button to add a repository named Repotest.

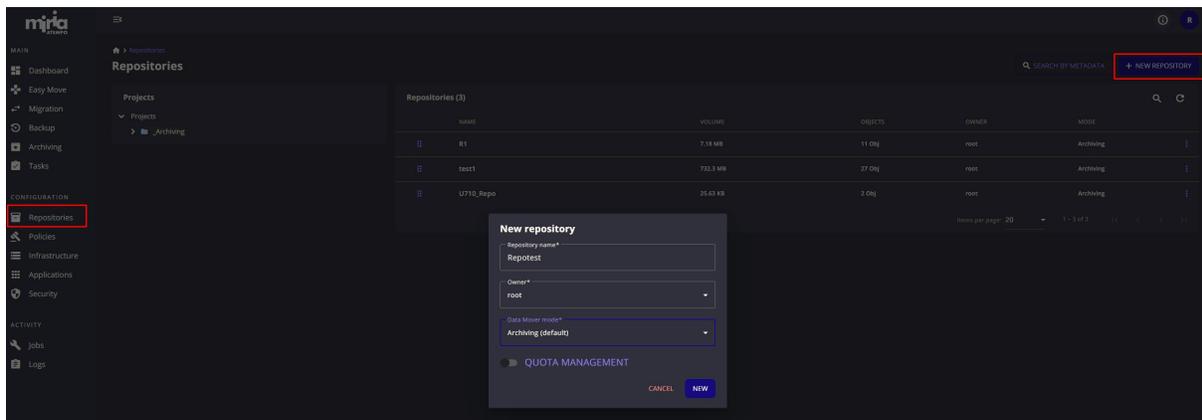


Figure 2-11 Create Repository

11. Create an archive task, enter a **Task name** and select **Source** as NAS and select **Target** as Repository, then select the **Policy**.

Source & target Objects to archive

Task name

Task name*
Archivetest

Source

Select the source platform containing the folders and files you want to archive.

Source*
QSAN (Windows)

Target

Select a repository where folders and files will be archived.

Repository name*
Repostest

Full path auto-generated
 Archive repository

Policy

Policy*
testpolicy

[< BACK](#)

Figure 2-12 Create Archive Task Step 1

12. Next, select the share named “Atempo” as the archive object.

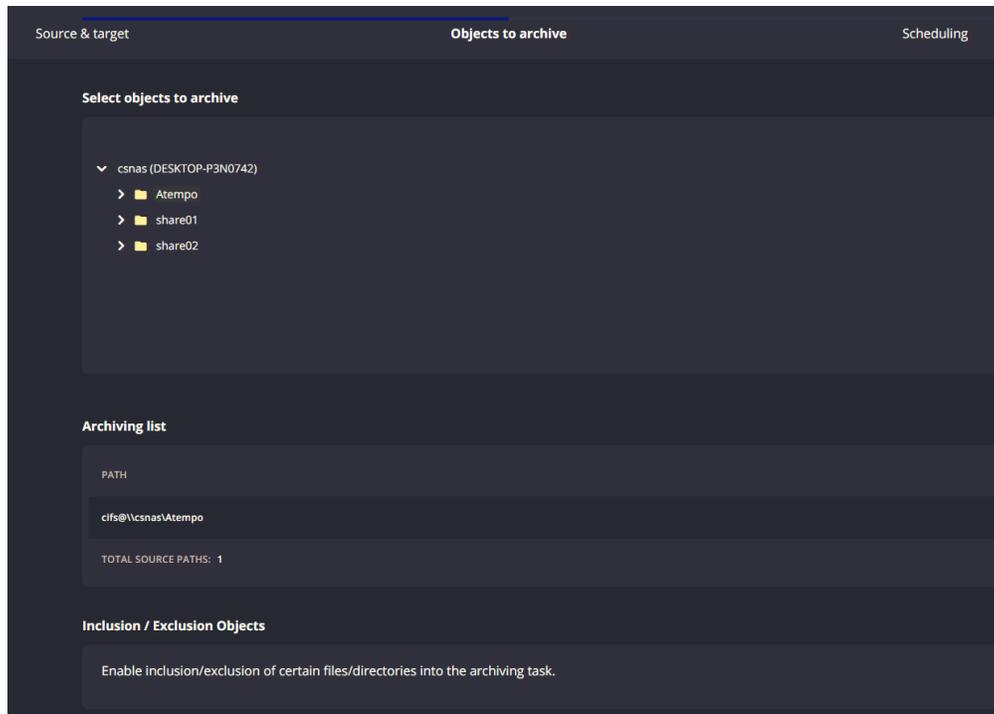


Figure 2-13 Create Archive Task Step 2

13. Leave the default setting and finish the wizard. Then you can check the archive task show as below.

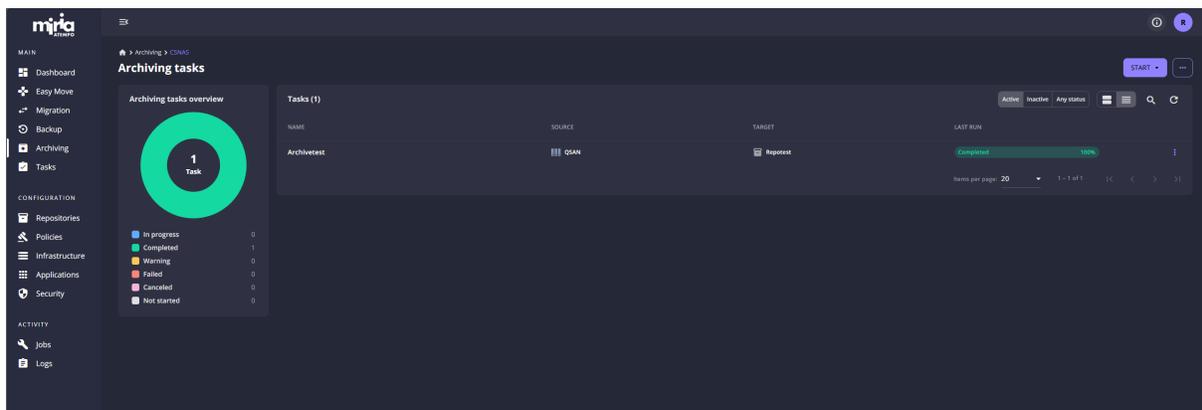


Figure 2-14 Create Archive Task Step 3

14. Run the archive task and check the process in the **Jobs** page. After complete, the data has been backed up to Atempo Miria.

ID	ACTION	STATUS	VOLUME	RATE	REPOSITORY	DATE
109	-	Creation in progress 0%			Repotest	Dec 31, 2024, 6:28:59 PM
108	Task	Running			Repotest	Dec 31, 2024, 6:28:10 PM
107	Archiving	Completed 100%	1.5 MB		R1	Dec 20, 2024, 2:18:16 PM
106	Task	Completed	1.5 MB		R1	Dec 20, 2024, 2:18:18 PM
105	Archiving	Completed 100%	1.38 MB		R1	Dec 20, 2024, 2:16:32 PM
104	Task	Completed	1.38 MB		R1	Dec 20, 2024, 2:16:32 PM
103	Archiving	Completed 100%	1.25 MB		R1	Dec 20, 2024, 2:13:37 PM
102	Task	Completed	1.25 MB		R1	Dec 20, 2024, 2:13:40 PM
101	Archiving	Completed 100%	1.13 MB		R1	Dec 20, 2024, 2:12:03 PM
100	Task	Completed	1.13 MB		R1	Dec 20, 2024, 2:12:03 PM

Figure 2-15 Check Backup Process

3. CONCLUSION

Data protection and management are critical components of modern IT environments. A reliable and scalable solution is needed to ensure the security and accessibility of valuable information.

Integrating QSAN QSM4 CIFS shares with Atempo Archive provides a powerful, scalable, and efficient solution for data backup and archiving. This combination takes full advantage of QSAN's advanced storage technology and Atempo's flexible archiving capabilities, ensuring your critical data is securely stored and easily retrieved when needed.

The seamless setup process detailed in this document demonstrates how easy it is to configure and optimize this integration for your organizational needs. By leveraging QSM4's CIFS shares, users can enjoy a reliable storage platform with high availability and performance, while Atempo Archive ensures data is safely backed up, effectively managed, and in compliance with retention policies.

This solution is particularly beneficial for enterprises looking to simplify data protection workflows, reduce operational expenses and maximize storage utilization. With QSAN and Atempo working together, you can rest assured that your data is protected and supports the continuity of business operations.

By following the guidelines and best practices shared in this document, you can implement a robust backup strategy tailored to your unique needs. This approach not only enhances data protection, but also provides you with peace of mind knowing that your information is protected from potential risks and disasters.

4. APPENDIX

4.1. Apply To

- QSM firmware 4.1.2 and later

4.2. Reference

Product Page

- [XCubeNXT 8100 Series](#)

Document

- [QSM 4 Software Manual](#)