Duple Backup

Application Introduction

TerraMaster

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01.Introduction

01 Data backup application serving TNAS

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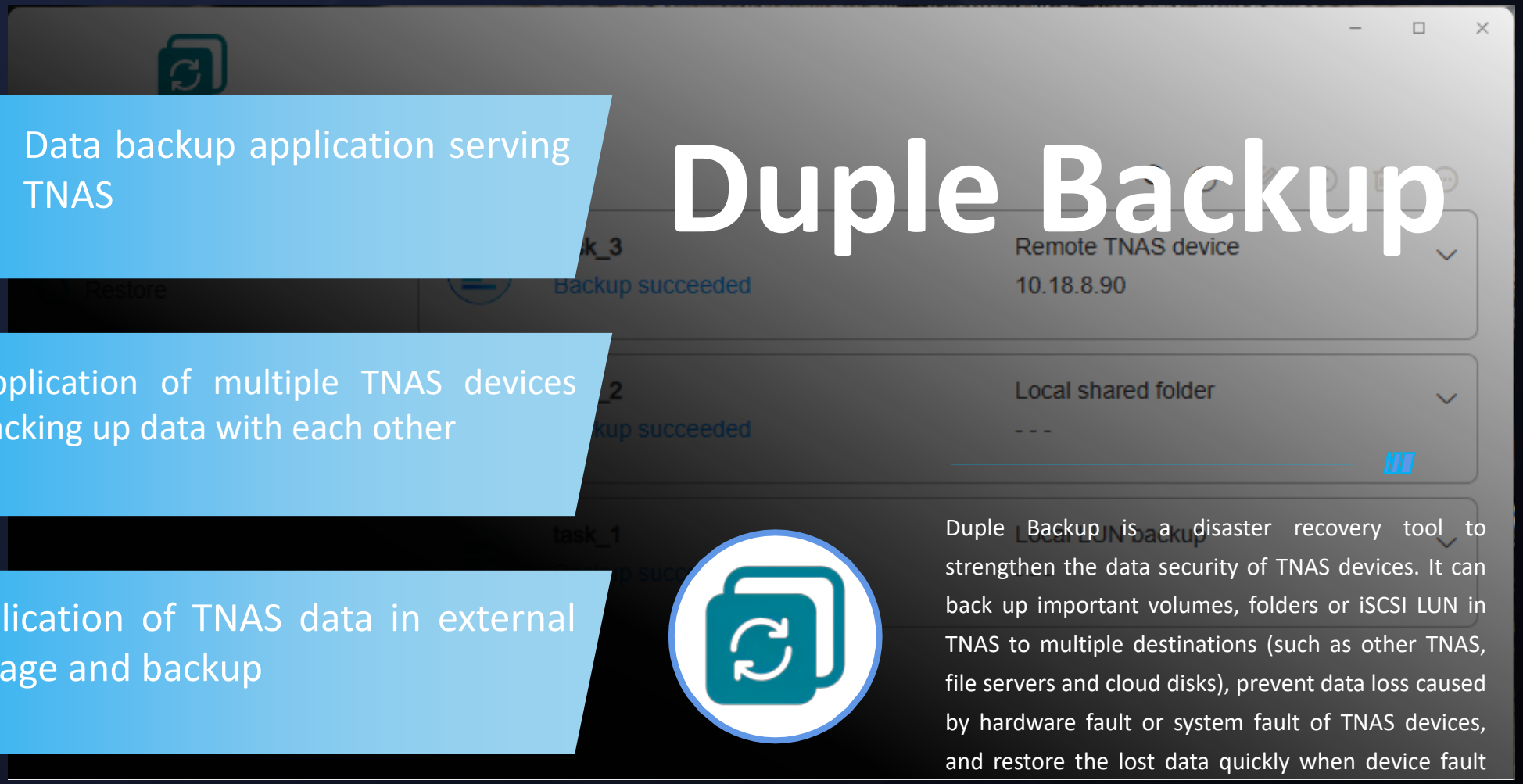
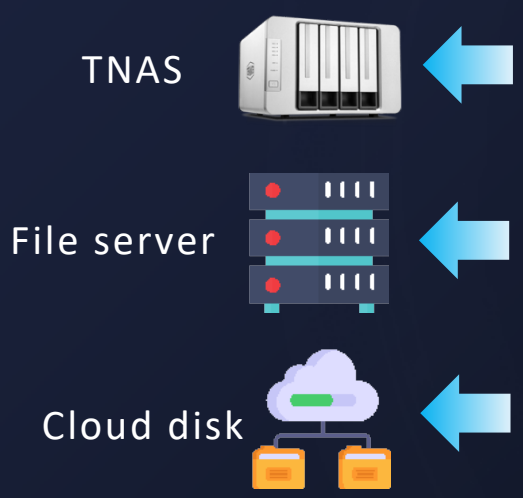
03 Application of TNAS data in external storage and backup



Duple Backup is a disaster recovery tool to strengthen the data security of TNAS devices. It can back up important volumes, folders or iSCSI LUN in TNAS to multiple destinations (such as other TNAS, file servers and cloud disks), prevent data loss caused by hardware fault or system fault of TNAS devices, and restore the lost data quickly when device fault occurs.

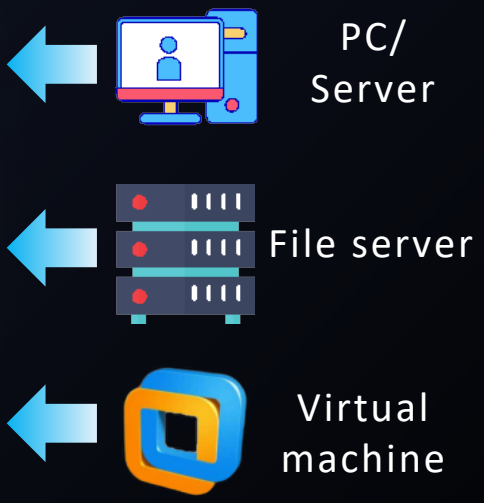
01.Definition

Duple Backup



TNAS data in external backup/restoration

Centralized Backup



External data in TNAS backup/restoration

02.Advantages

01

Regular backup

Back up the important data in TNAS regularly, and store it in a safe location to prevent data loss or damage and then restore it when necessary.

02

Data security

TNAS will encrypt and compress the backup data when externally backing up the data in order to protect the security of sensitive information and prevent unauthorized access and disclosure.

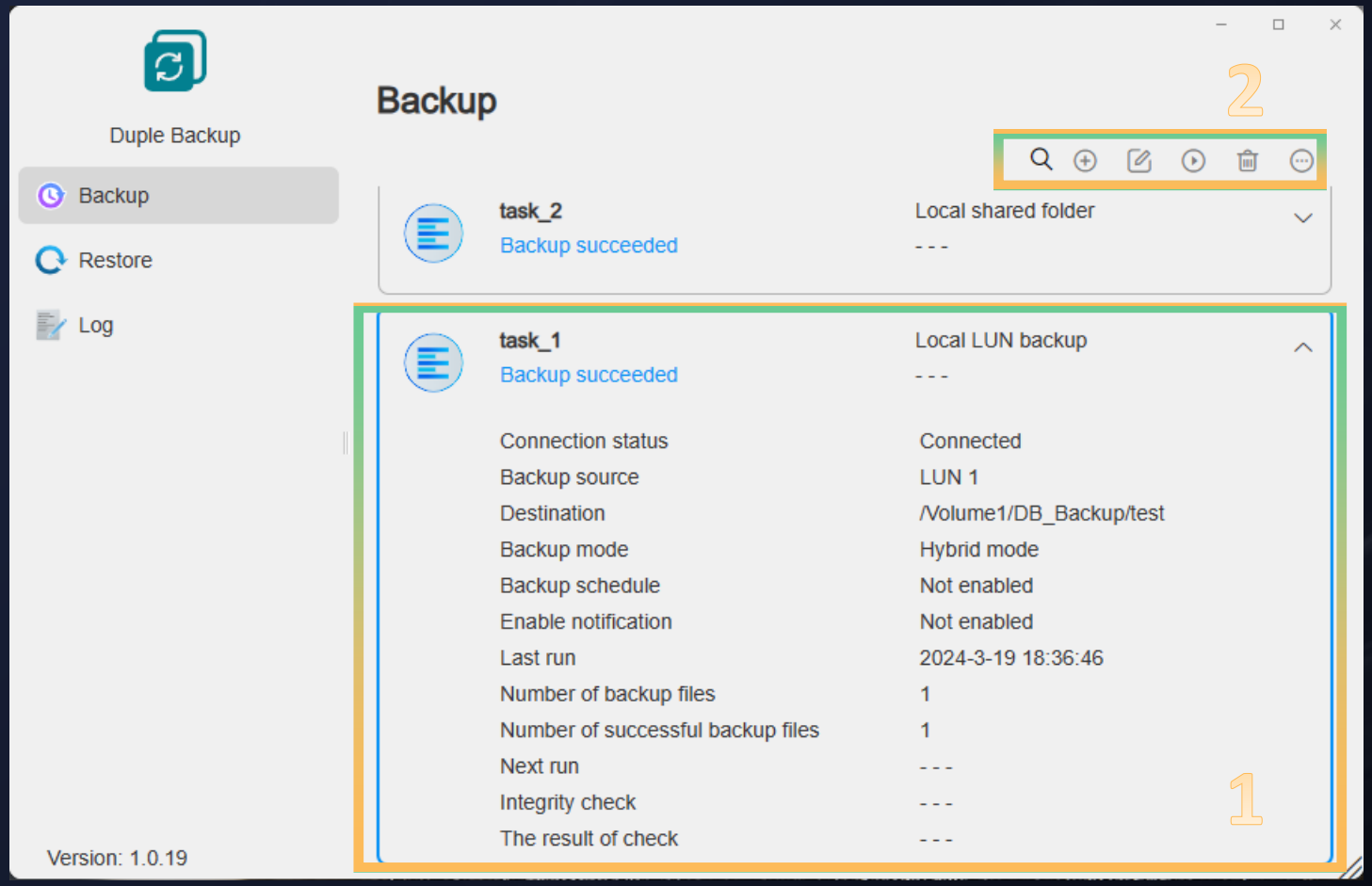
03

Disaster recovery

Device hardware or system fault may occur on the TNAS devices and thus cause data loss. When a device fault occurs, it can quickly restore the lost data.

03.Backup task management

Backup task information display



01.Task information

Display the detailed information of the current backup task, including task name, online state, backup source, destination, plan, execution time, number of succeeded tasks, and integrity check...

02.Function bar

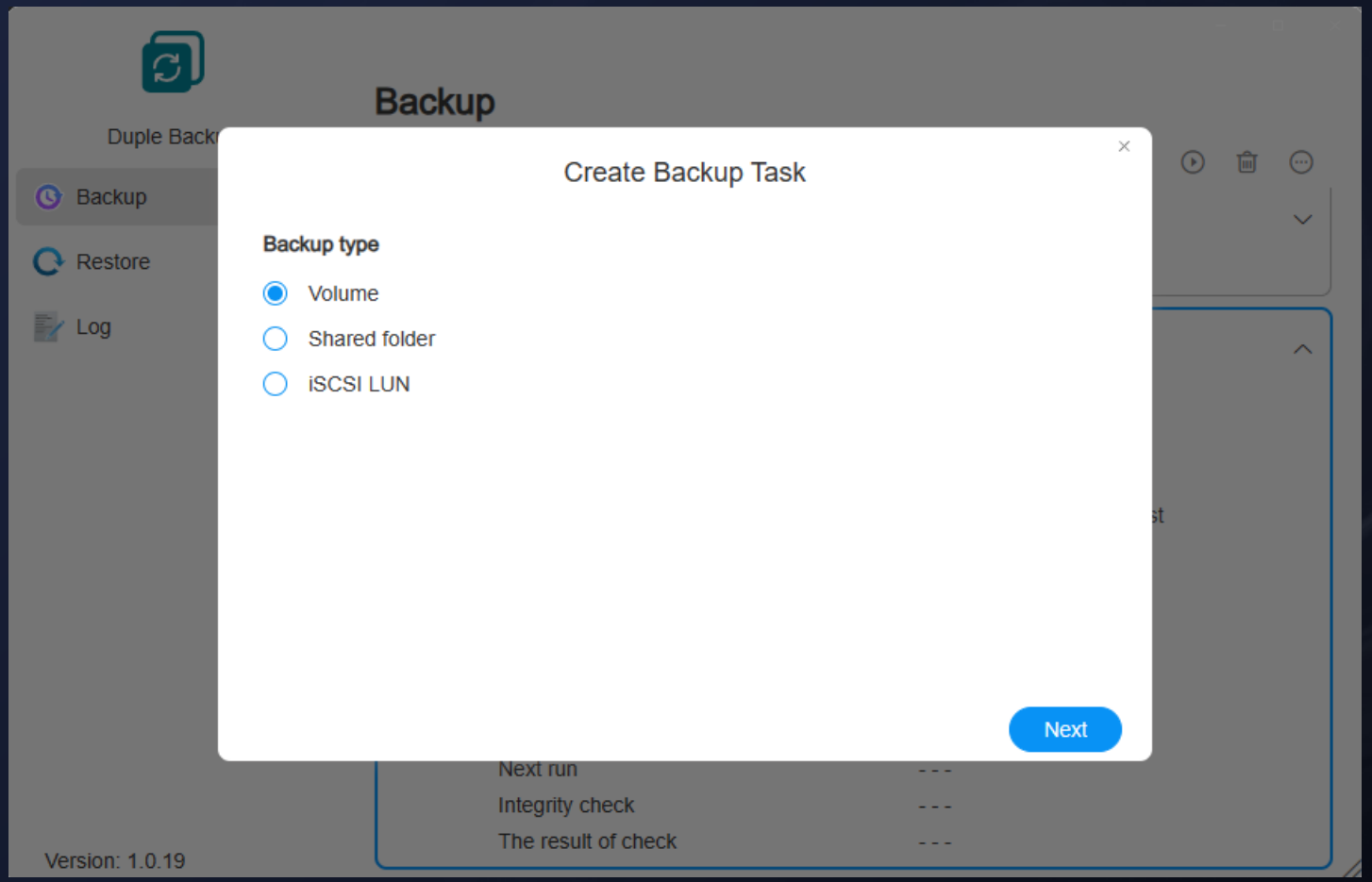
Search: Search task name
Create: Add a new backup task

Edit: Edit the current backup task settings
Start/pause: Start/pause the task
Delete: Delete the current task

Task version: Display all the version information of the current tasks
Integrity check: Check the integrity of the task data that are currently backed up

03.What supports the TNAS backup?

Backup types supported



01.Volume

Single volume partition (all shared folders within the volume)

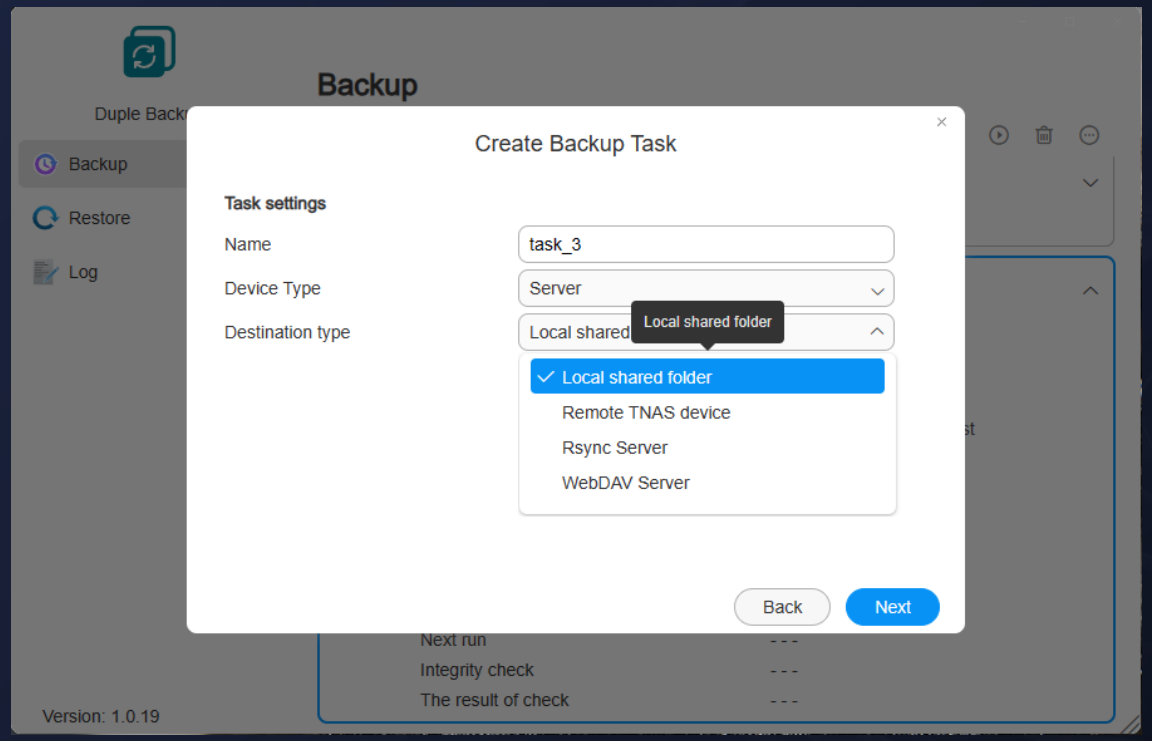
02.Shared folders

A single shared folder (internal folder)

03.iSCSI LUN

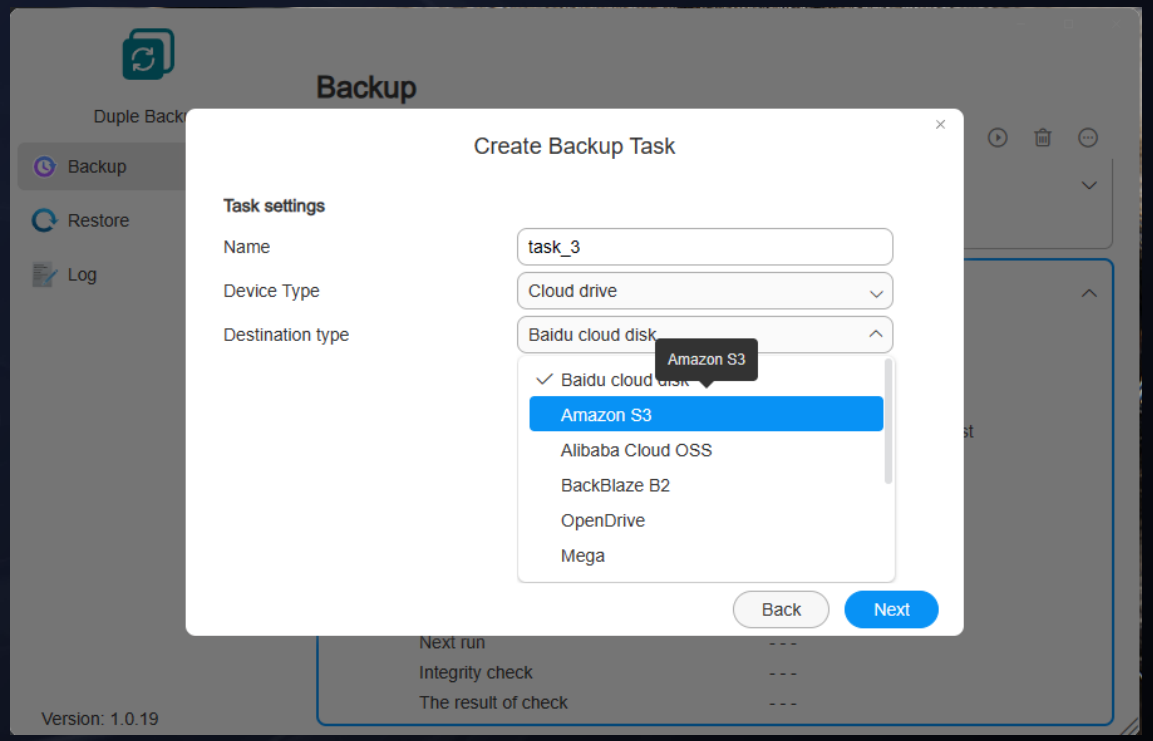
Single iSCSI LUN

03.Where can it backed up?



Server

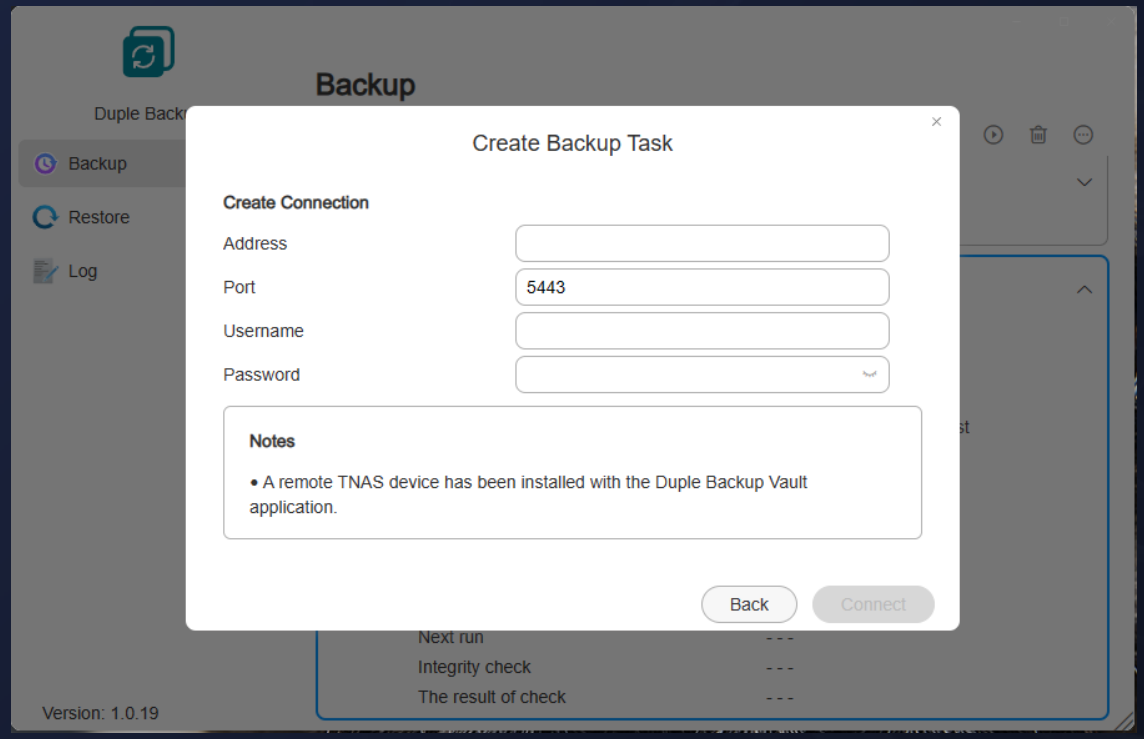
Local shared folders, remote TNAS device, Rsync server and WebDAV server

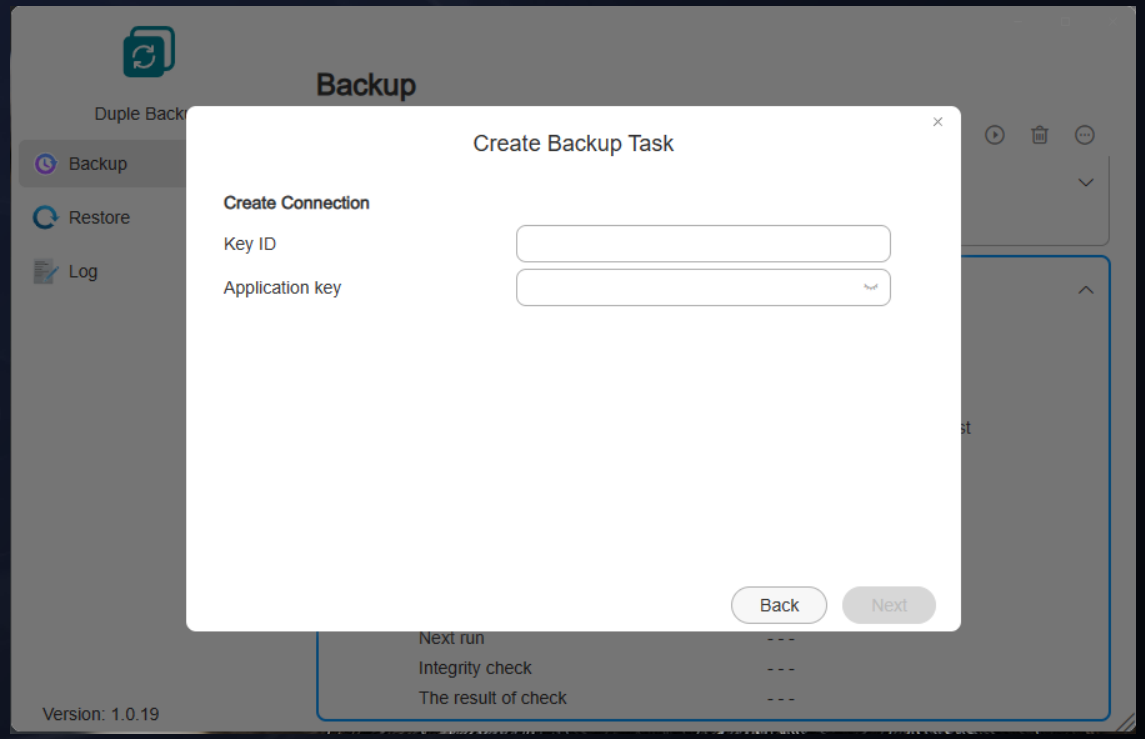


Cloud disk

Amazon S3, Alibaba Cloud OSS, OpenDrive, BackBlaze B2, Mega, Box, Dropbox, Google Drive, OneDrive, pCloud, Baidu Netdisk

03.How is TNAS connected to other devices?





■ Server-IP, username, password

Remote TNAS device (Duple Backup Vault needs to be installed.)

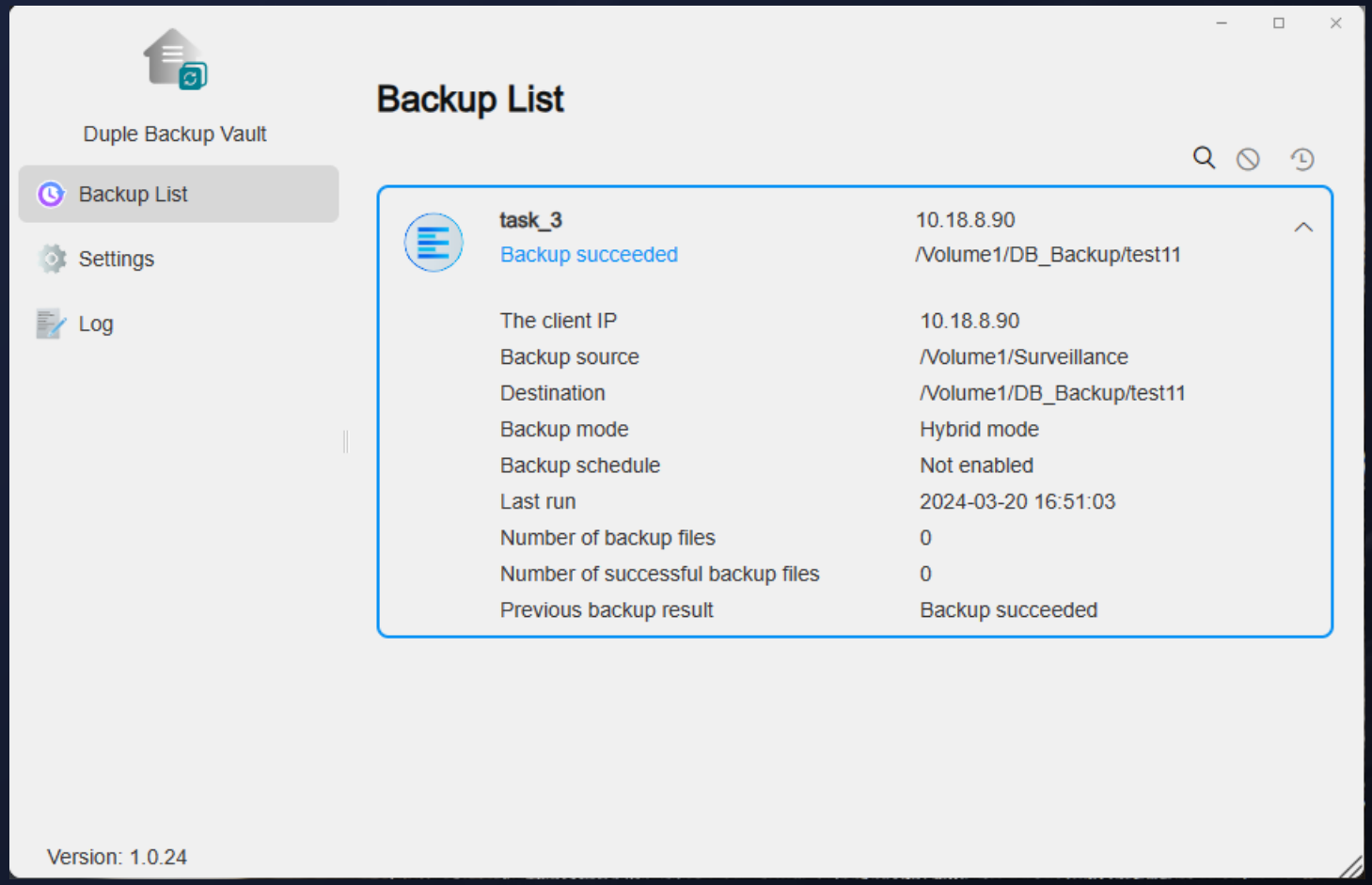
Rsync server, WebDAV server

■ Cloud disk-username / ID, password /Key

Amazon S3, Alibaba Cloud OSS, OpenDrive, BackBlaze B2, Mega, Box, Dropbox, Google Drive, OneDrive, pCloud, Baidu Netdisk

03.Introduction to Duple Backup Vault

- The server application required for Duple Backup to establish a connection with other TNAS devices.



01.Permission

Enable the Duple Backup to access and store the files in the shared folder on a remote TNAS device.

02.Synchronization

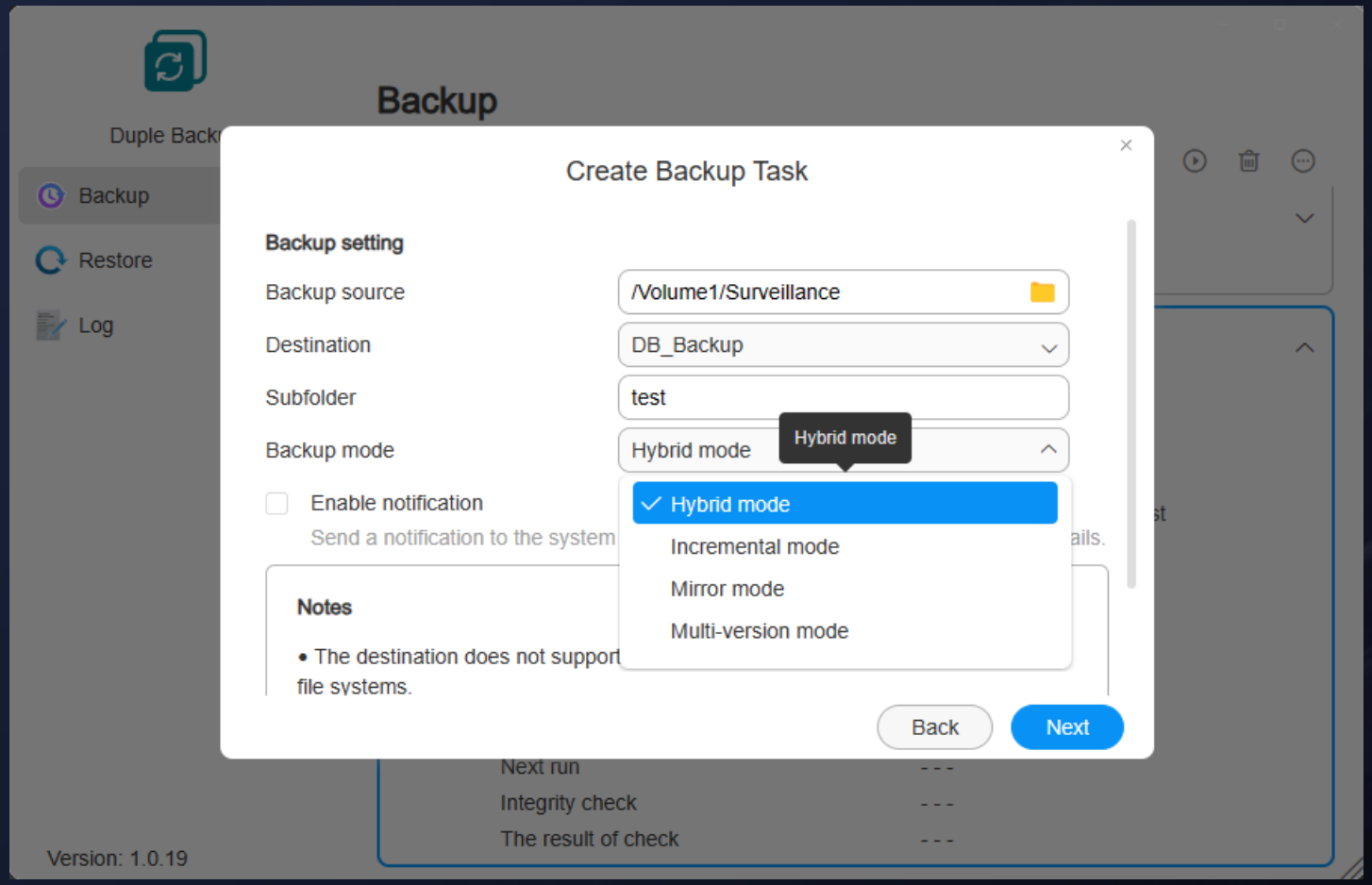
Realize functional interaction and information synchronization between Duple Backup and Duple Backup Vault.

03.Monitoring

Allow remote TNAS administrator to monitor the state of tasks and write at any time, and disconnect external connections in case of abnormal conditions.

03.What backup modes are supported?

Backup modes supported



01.Hybrid mode

Provide multiple versions, integrate the advantages of multi-version mode and incremental mode, share the same backup data, and encrypt the data blocks.

02.Incremental mode

With a single version, the created and changed files from backup source will be copied to the destination. If the backup source deletes a file, the destination will be remained.

03.Mirror mode

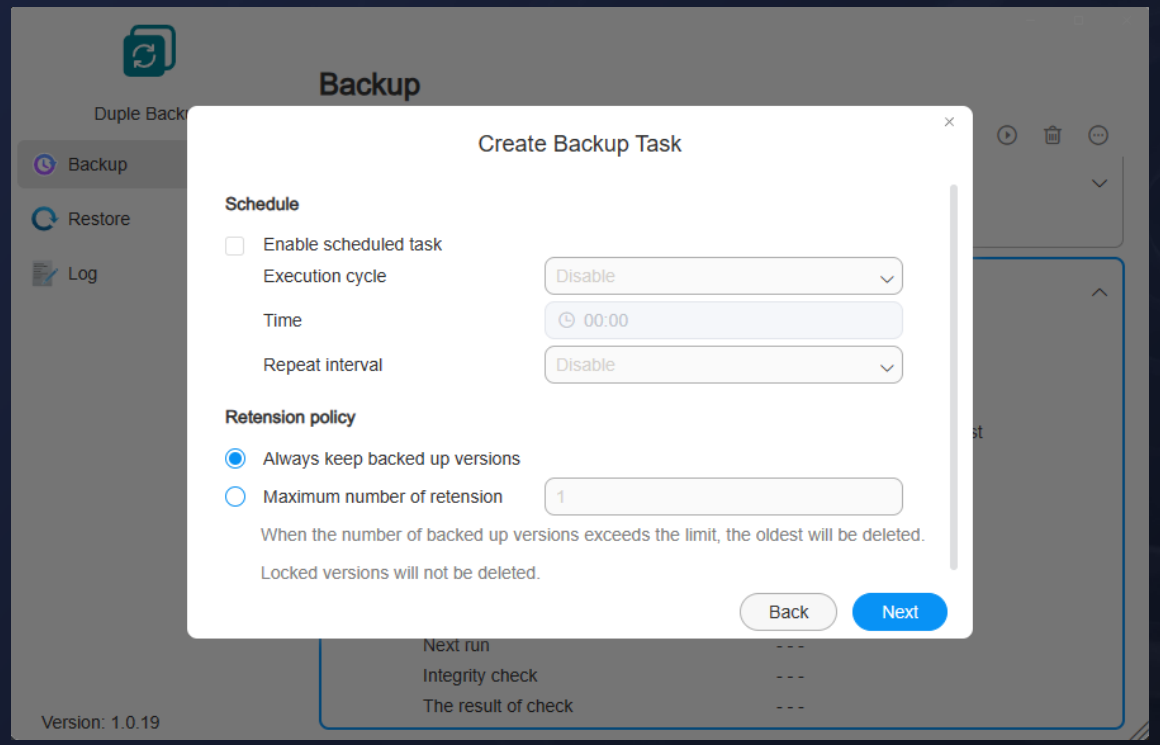
With a single version, the backup destination is a mirror copy of the backup source. If the files that do not exist in the backup source are added to the destination, they will be deleted.

04.Multi-version mode

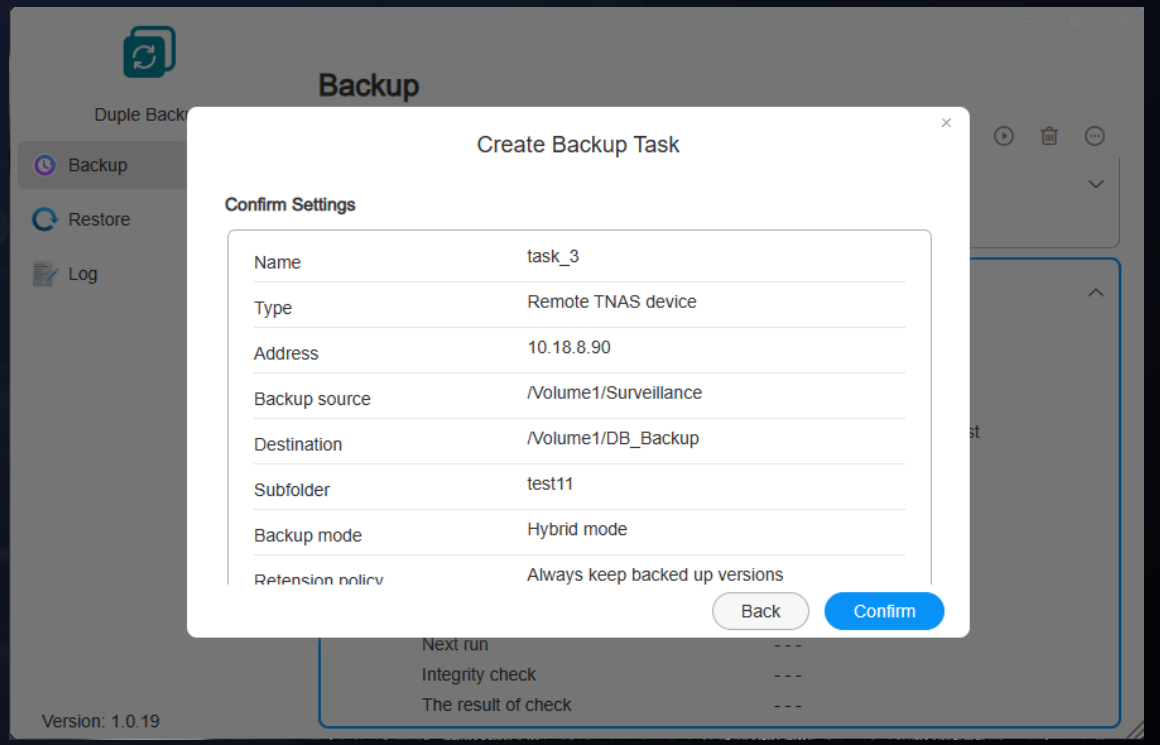
With multiple versions, when running the backup every time, the backup destination will create a new version folder according to the version time.

03.General page

Scheduled task and retention policy

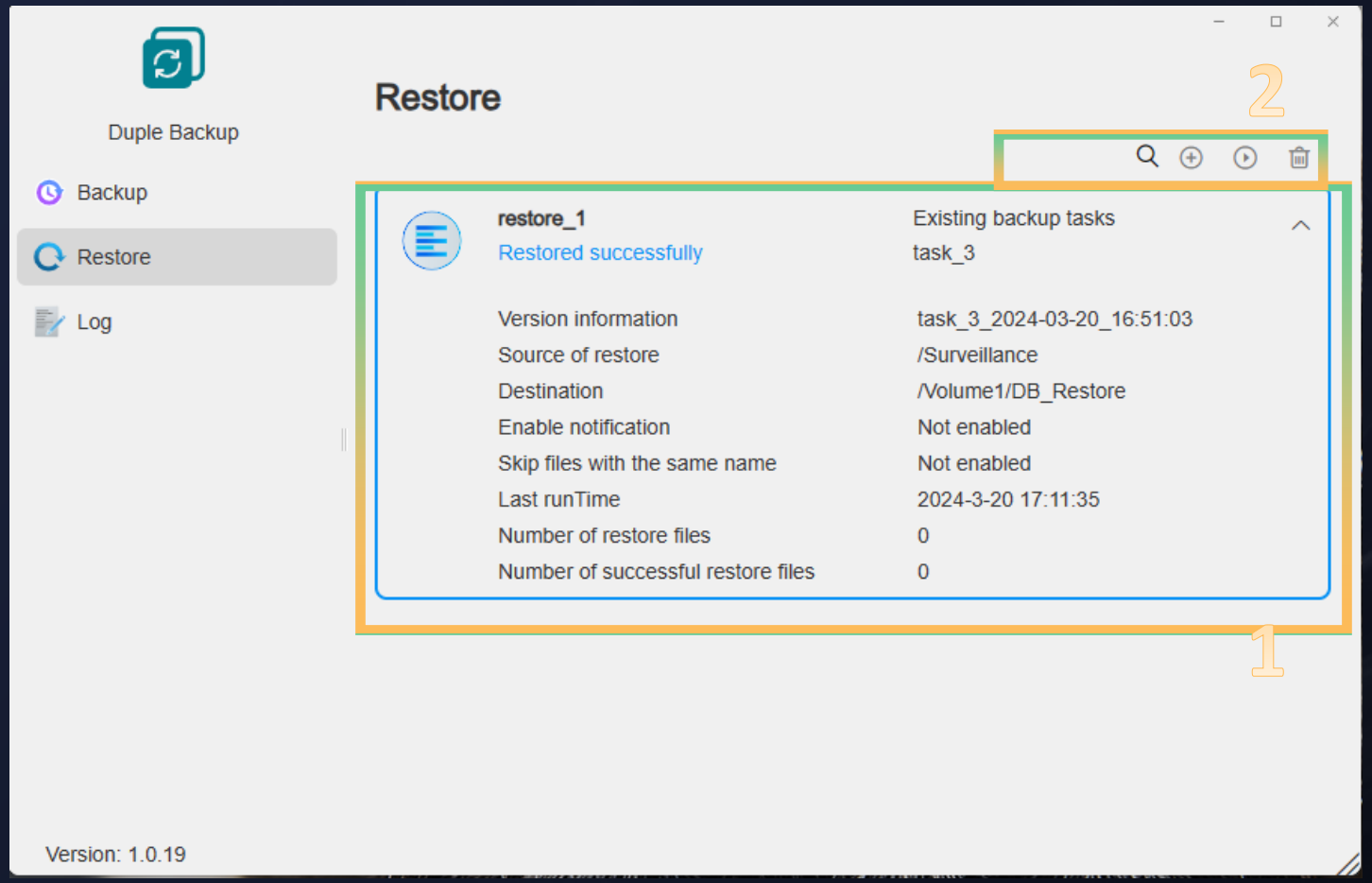


Confirm settings



03.Restoration task management

Restoration task information display



01.Task information

Display the detailed information of the created restoration tasks, including task name, state, restoration mode, restoration source, destination, execution time, and number of successfully restored tasks...

02.Function bar

Search: Search task name

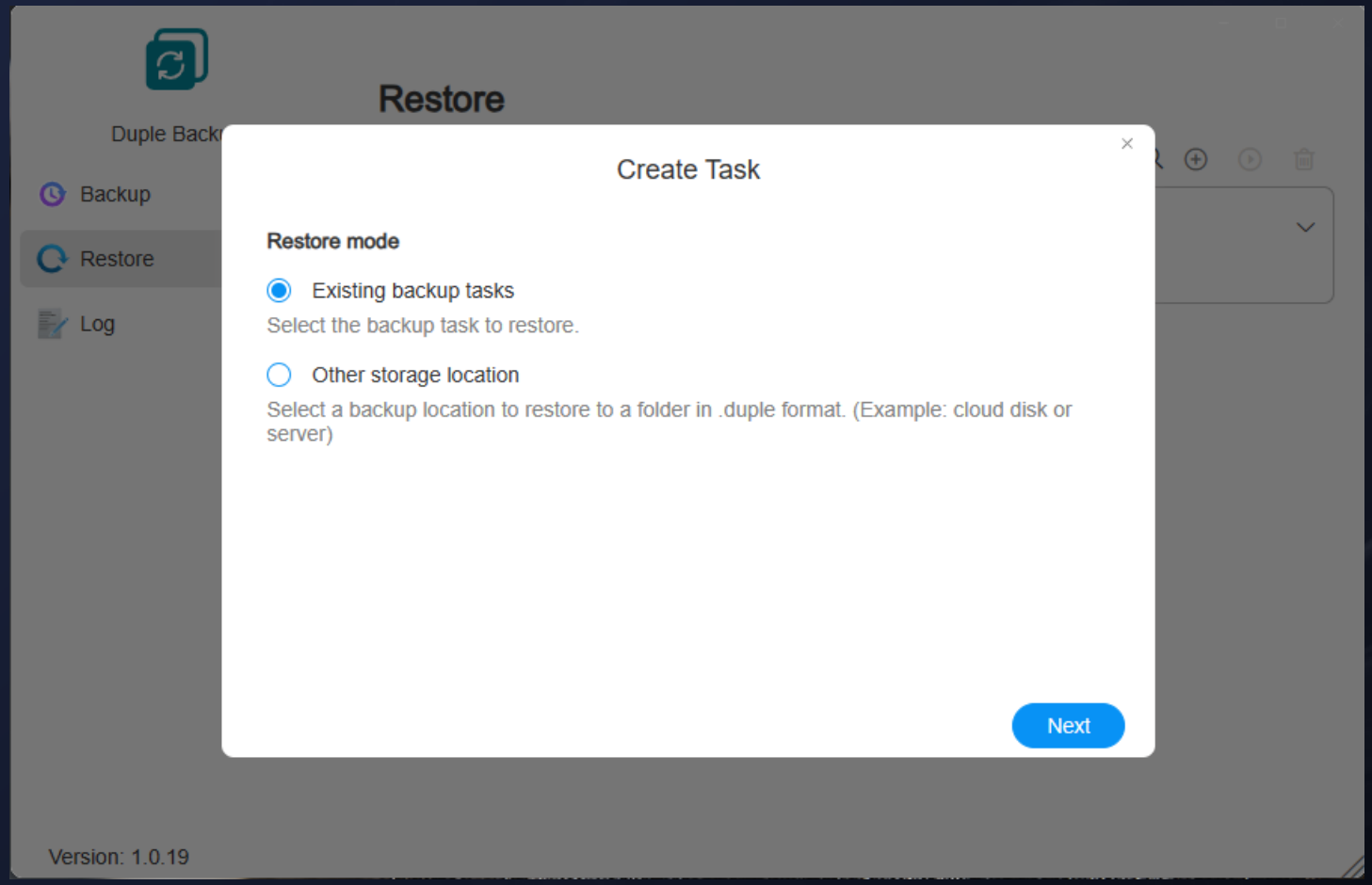
Add: Add a new restoration task

Start/pause: Start/pause the restoration

Delete: Delete the current task

03. What restoration modes are supported?

Restoration modes supported



01.Existing backup tasks

Select the corresponding versions from the tasks that have been backed up.

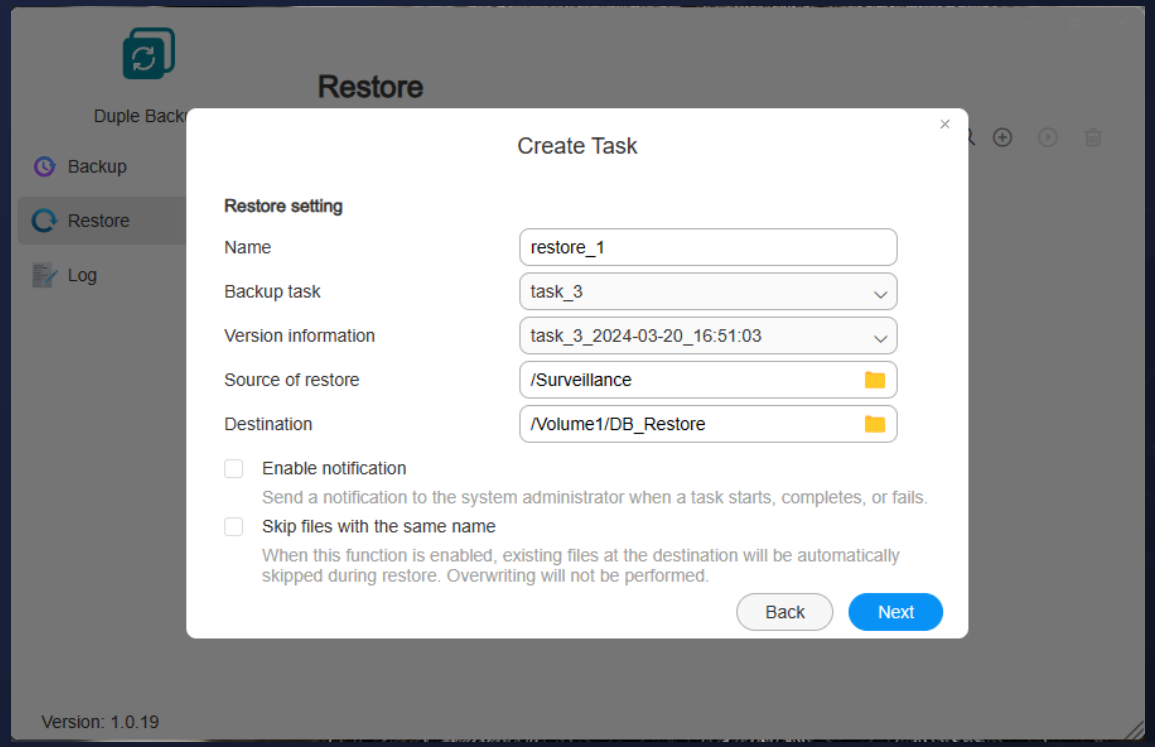
Usage scenario: When the TNAS device does not have a fault, users can find the task from the application and restore it directly to the current TNAS.

02. Other storage locations

Select the backup destination folder in .duple format.

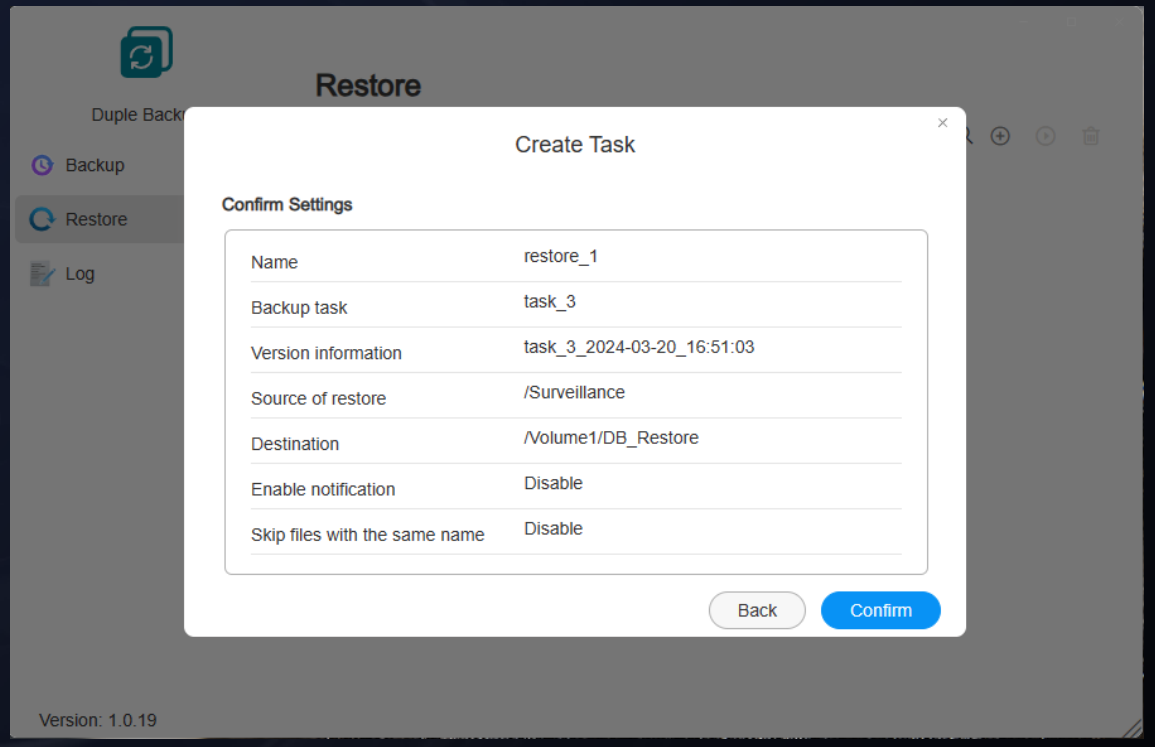
Usage scenario: When the TNAS device has a fault, users can directly restore to other TNAS according to the backup data folder.

03. Restoration of existing backup tasks



Restoration settings

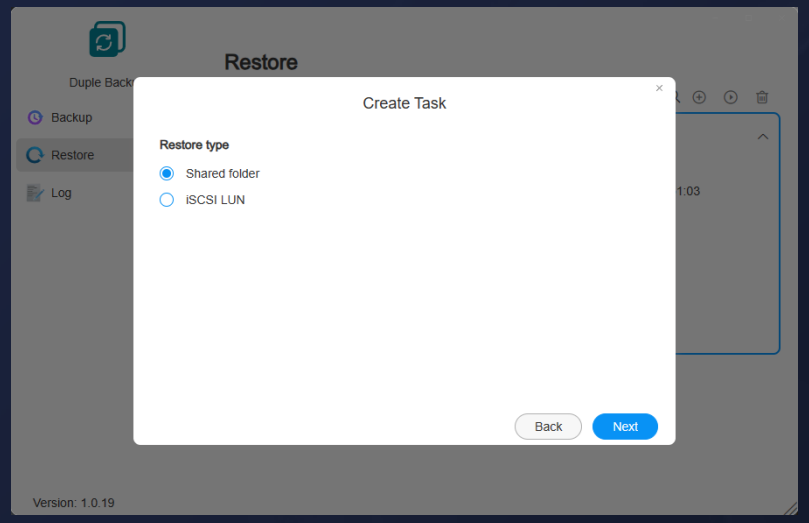
Settings of restoration information: Name, restoration source, destination, and function settings
Task and version: Select task and version

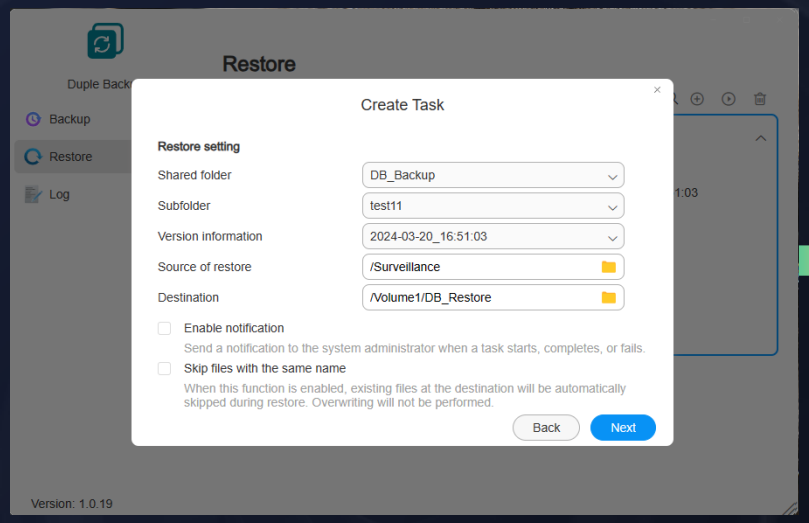


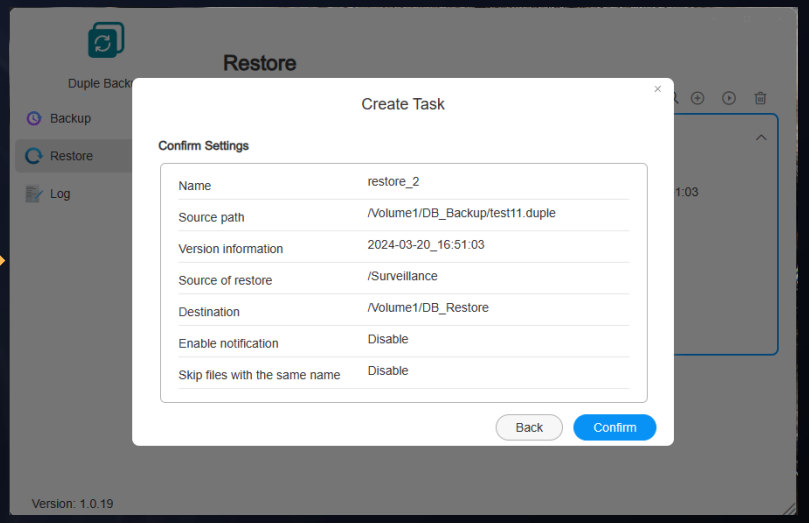
Confirm settings

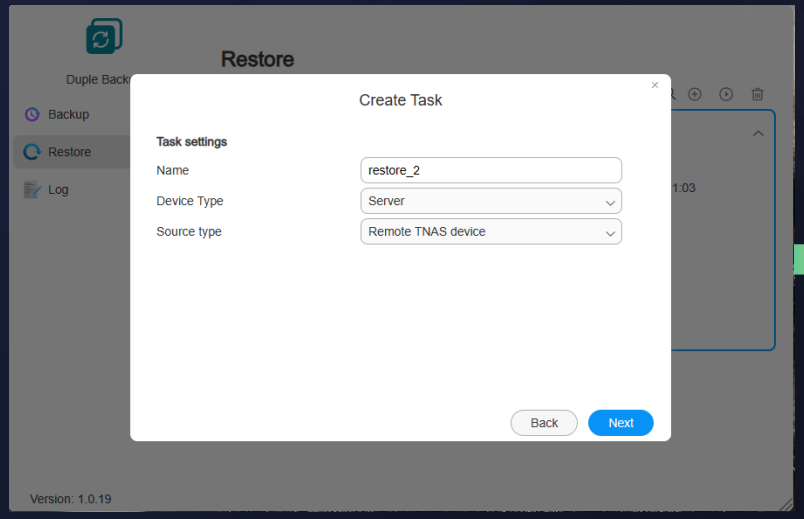
Confirm the information about restoration settings

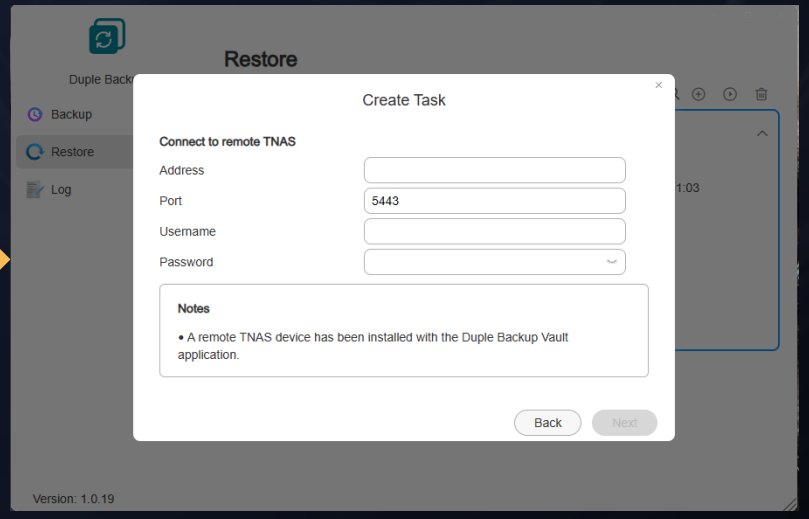
03.Restoration in other storage locations









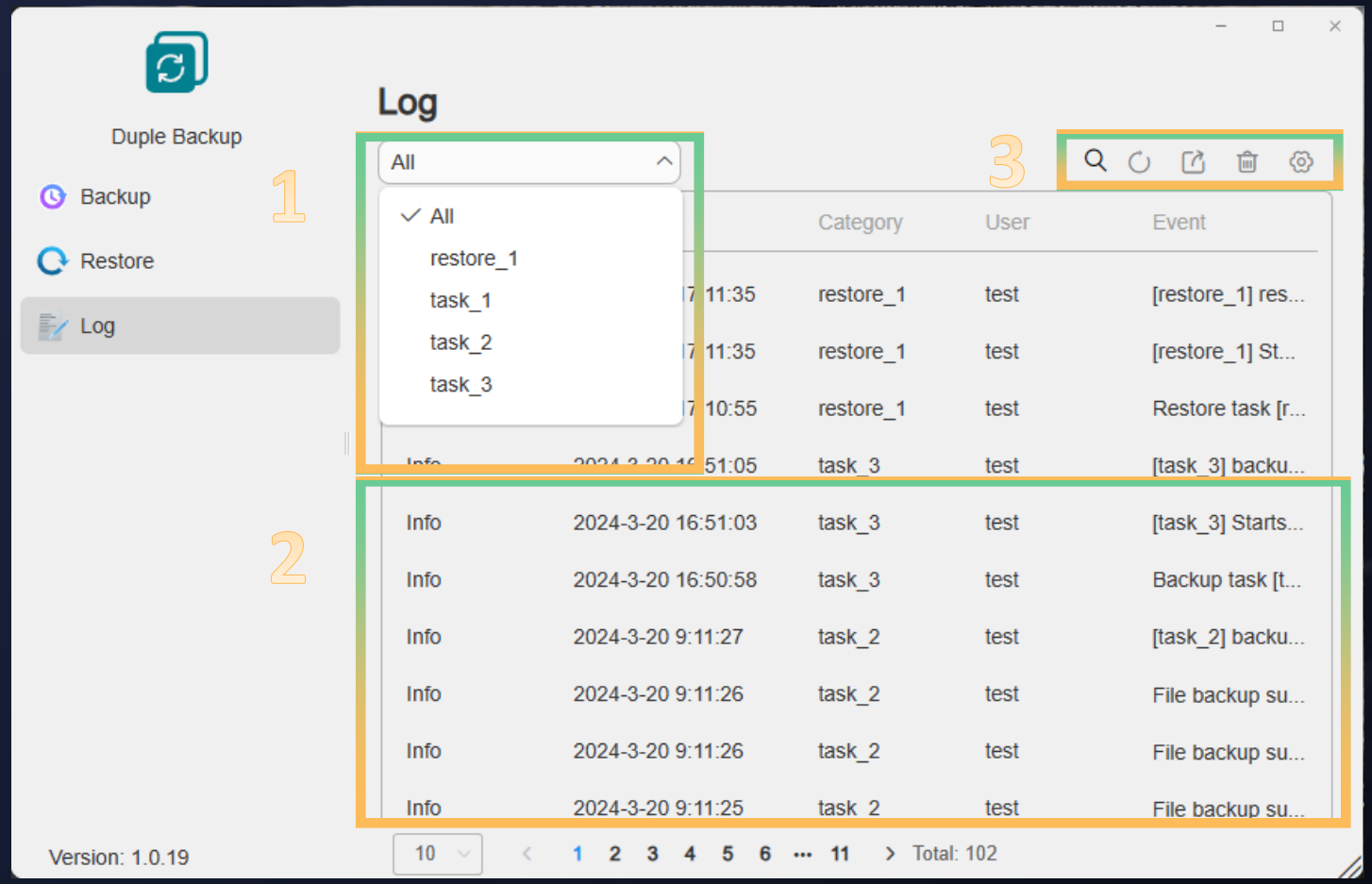


Steps for task creation

1. Select the restoration type
2.Select the restoration device
3.Connect the device
4.Restore the information settings
5.Confirm the settings

03. Log management

■ **Display all the operation behavior logs in the application**



01. Type screening

Carry out classification and screening according to task items, and automatically screen the required logs after selecting different tasks.

02. Log information

Display the log of all operations in the application, create/delete tasks, execute/pause tasks, and give feedback for task state...

03. Management operation

Search: Search the corresponding logs by keywords
Refresh: Refresh the current page
Export: Export the currently selected log entry
Delete: Delete the current log entry
Settings: Set the log retention policy

Thank you

The End ◀◀◀