



TerraSync
TerraSync Client
TNAS PC For Windows
Application Introduction



TerraMaster



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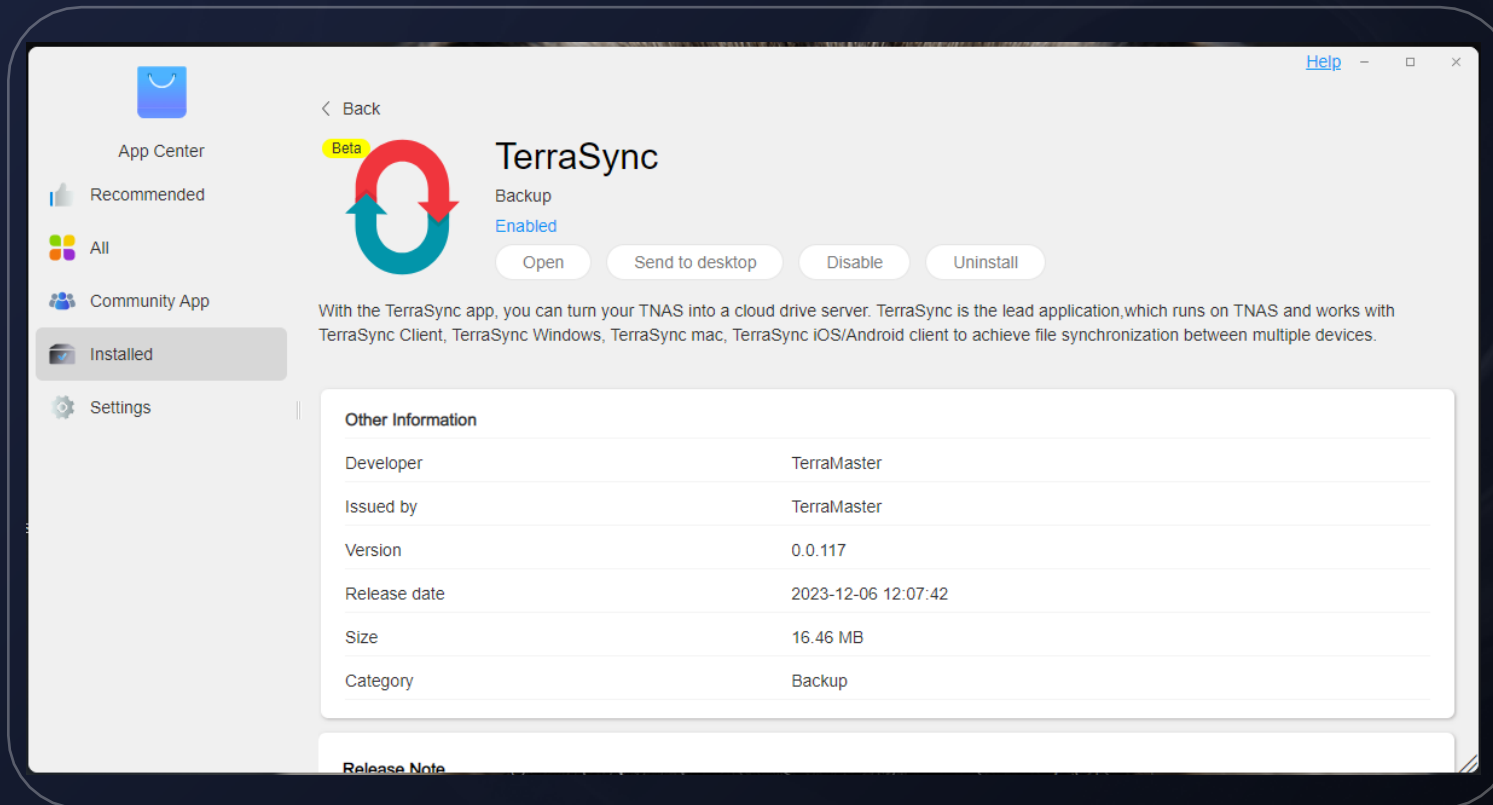
PART 01.

Introduction

What is it?



- **With the TerraSync app, you can turn your TNAS into a private cloud disk server. TerraSync is the lead application (server), which runs on TNAS and works with TerraSync Client, TNAS PC For Windows and TNAS PC For Mac to achieve file synchronization between multiple devices on different platforms.**



01. Introduction

TerraSync is a synchronization application available in the TerraMaster x86 TNAS series, enabling file synchronization between different platforms and multiple devices.

02. Users

Target users: All individuals, teams or organizations that require file synchronization, file version control, file recovery and other functions

03. Features

Three synchronization strategies, on-demand synchronization, file version backtracking, and accidental deletion recovery

Composition



TerraSync



TerraSync
Client



TerraSync
Windows



TerraSync
Mac

Released in 2024 Q2

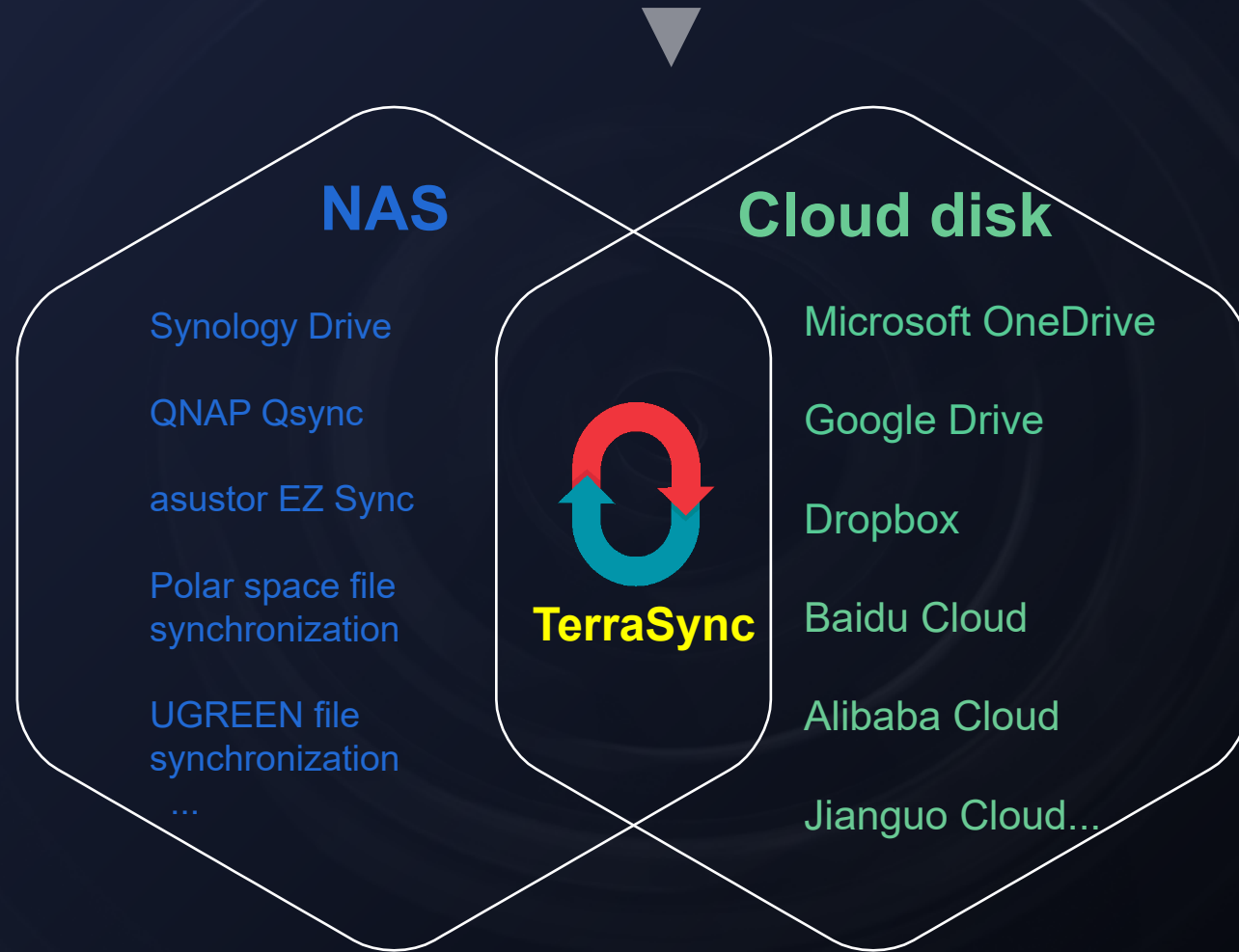




PART 02.

Industry Status & Special Functions

Industry Status



Example



Scene: A enjoys his work. He has not finished his files in the company and wants to work overtime after getting home. What should he do?

Example



15 years ago (after 2000) when USB flash drive appeared, he could save the unfinished files in the USB flash drive and continue editing the files by inserting the USB flash drive into the computer after returning home.

10 years ago (after 2012) when network disk appeared, he could upload the unfinished files to the network disk. After getting home, he could download the files from the network disk, continue editing the files and then upload them to the network disk again.

Today, he can create a synchronization task with TerraSync on the computers in the company and at home. In the company, he only needs to edit and save the file locally, and then the file will be automatically synchronized to the NAS, while at home the latest file will be automatically synchronized to the home computer, and he only needs to continue editing it. After finishing the files, they will be automatically synchronized to all the devices that have created synchronization tasks with the server. Every time a file is saved, a version record will be generated for version backtracking.

**Cross-
device
access**

**Real-time
update**

Teamwork

TerraSync

Three synchronization strategies



synchronization, one-way download and one-way upload meet the requirements of multi-scenario applications.

On-demand synchronization



It can save storage space, synchronization time and bandwidth resources.

Version record



Version record, version restoration, accidental deletion recovery

Other NAS Synchronization Software



Single synchronization strategy

Only we and Synology have three synchronization strategies, and the others only have two-way synchronization.



No on-demand synchronization



Restricted version record

UGREEN collaborates with WPS. Version recording is only available by leveraging WPS's functionality, and there are limitations.

Private Cloud



Unsafe

Sensitive and private files are at risk of being forcibly deleted or disclosed.



Restricted space

Space is restricted, and charging is required.



Charging required

Version recovery, synchronous flow restriction, etc.

VS

VS

Three Synchronization Strategies

Two-way synchronization

Two-way synchronization refers to the two-way data synchronization between the server and the client, and the data on both sides are always consistent. When the file on the server is changed, it will be synchronized to the client, and vice versa.

One-way download

One-way download refers to the one-way data transmission from the server to the client. When the file on the server is changed, it will be synchronized to the client. When the file on the client is changed, it will not be synchronized to the server.

One-way upload

One-way upload refers to the one-way data transmission from the client to the server. When the file on the client is changed, it will be synchronized to the server. When the file on the server is changed, it will not be synchronized to the client.

On-demand Synchronization

Save Storage Space

On-demand synchronization can prevent all the files from being downloaded to the local devices, thus saving storage space. This is very useful for those who have a large number of files or limited storage space. Only when specific files need to be accessed will they be downloaded, and other files are only kept in the cloud to reduce the storage pressure of local device.

Save Bandwidth and Synchronization time

As the files are only downloaded when needed, on-demand synchronization can reduce the usage of bandwidth and shorten the time of file synchronization. This is especially useful for the users with poor network connection or limited bandwidth, allowing for efficient use of network resources.

Quick Access and Browsing

On-demand synchronization enables the file list to be displayed immediately, and you can browse and search the files quickly. You do not need to wait for all the files to be downloaded before browsing, which improves the efficiency of file access.

Offline Access

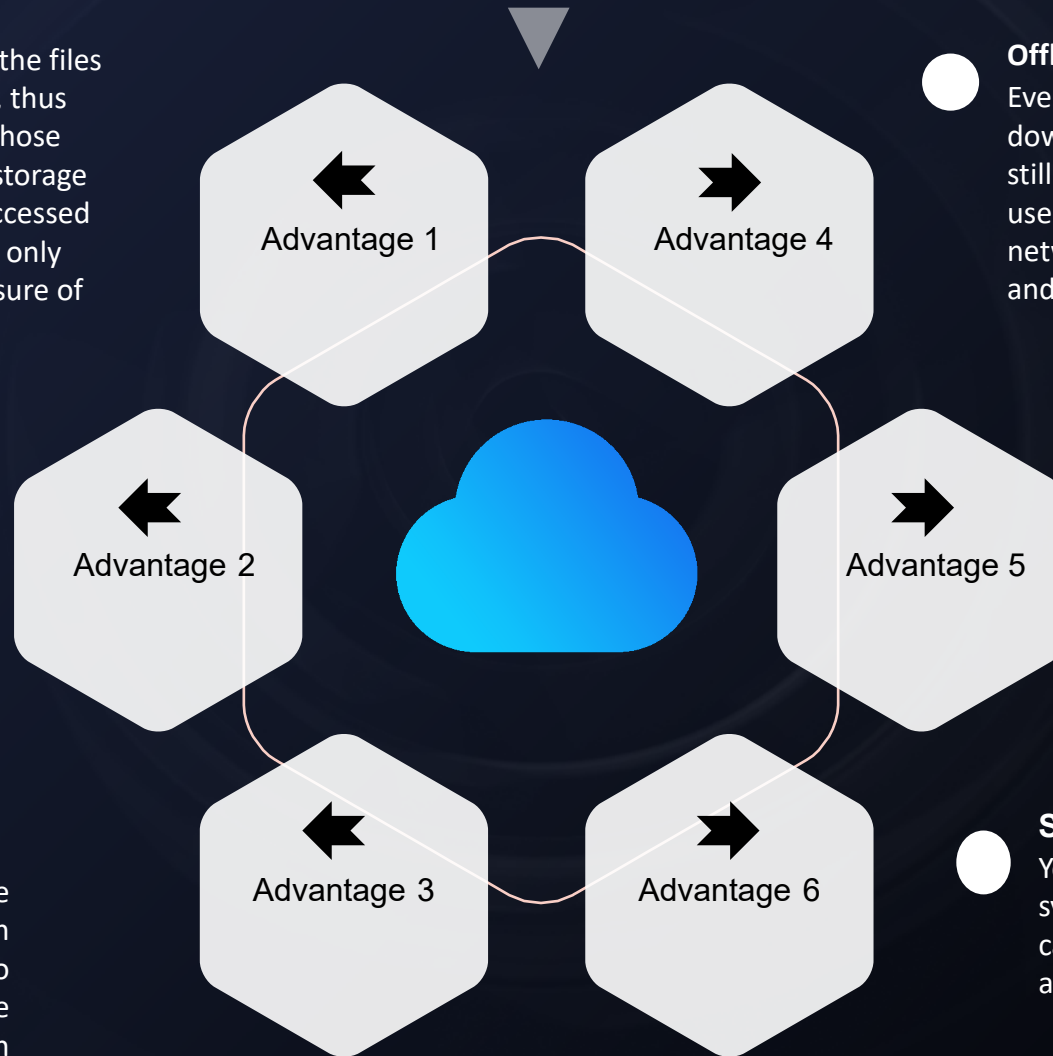
Even when network is not available, the files downloaded through on-demand synchronization can still be accessed on the local device. This means that users can continue to view and edit the files without network connection, which provides greater flexibility and convenience.

Flexibility

Users can choose the files to be saved on the local device according to their importance and use frequency.

Selectivity

You can select the files to be downloaded and synchronized according to your requirement. You can also manage and organize your files and make adjustments as needed.



On-demand Synchronization State Transition



Available when online

The online-only files do not occupy any space on your computer. The file will not be downloaded to the device until it is opened. When the device is not connected to the network, you will not be able to open the online-only files.



Available on the device

It is locally available. This icon indicates that your file or folder has been downloaded to the local computer. When storage sense is enabled, the files will become online-only files after the selected period.

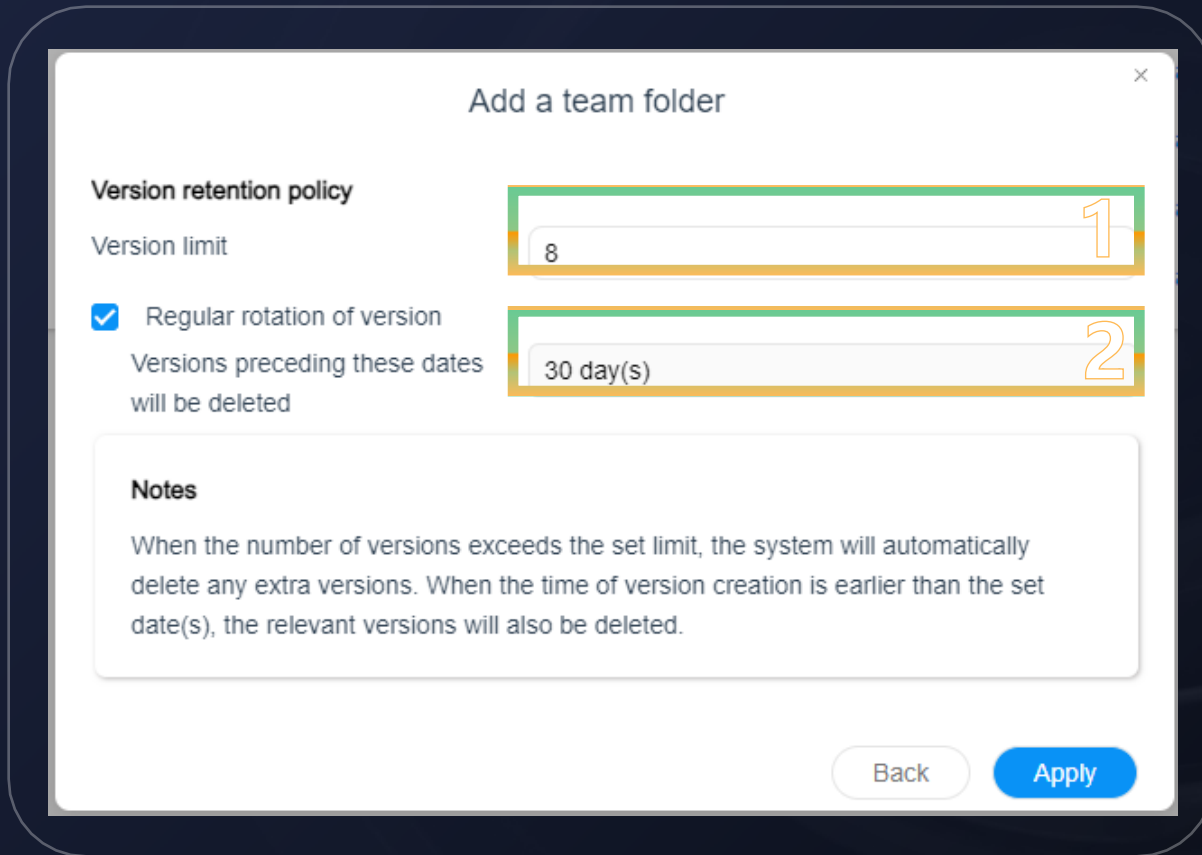


Always kept on the device

It is always locally available. This icon indicates that the file has been permanently fixed to the local computer and can be viewed offline. The state of such files will not be changed even when storage sense is enabled.



Version Record



The screenshot shows a dialog box titled "Add a team folder" with a close button (X) in the top right corner. It contains the following elements:

- Version retention policy**
- Version limit:** A text input field containing the number "8", highlighted with a green box and labeled "1".
- Regular rotation of version**
- Versions preceding these dates will be deleted:** A text input field containing "30 day(s)", highlighted with a green box and labeled "2".
- Notes:** A text area containing the text: "When the number of versions exceeds the set limit, the system will automatically delete any extra versions. When the time of version creation is earlier than the set date(s), the relevant versions will also be deleted."
- Buttons:** "Back" and "Apply" buttons at the bottom right.

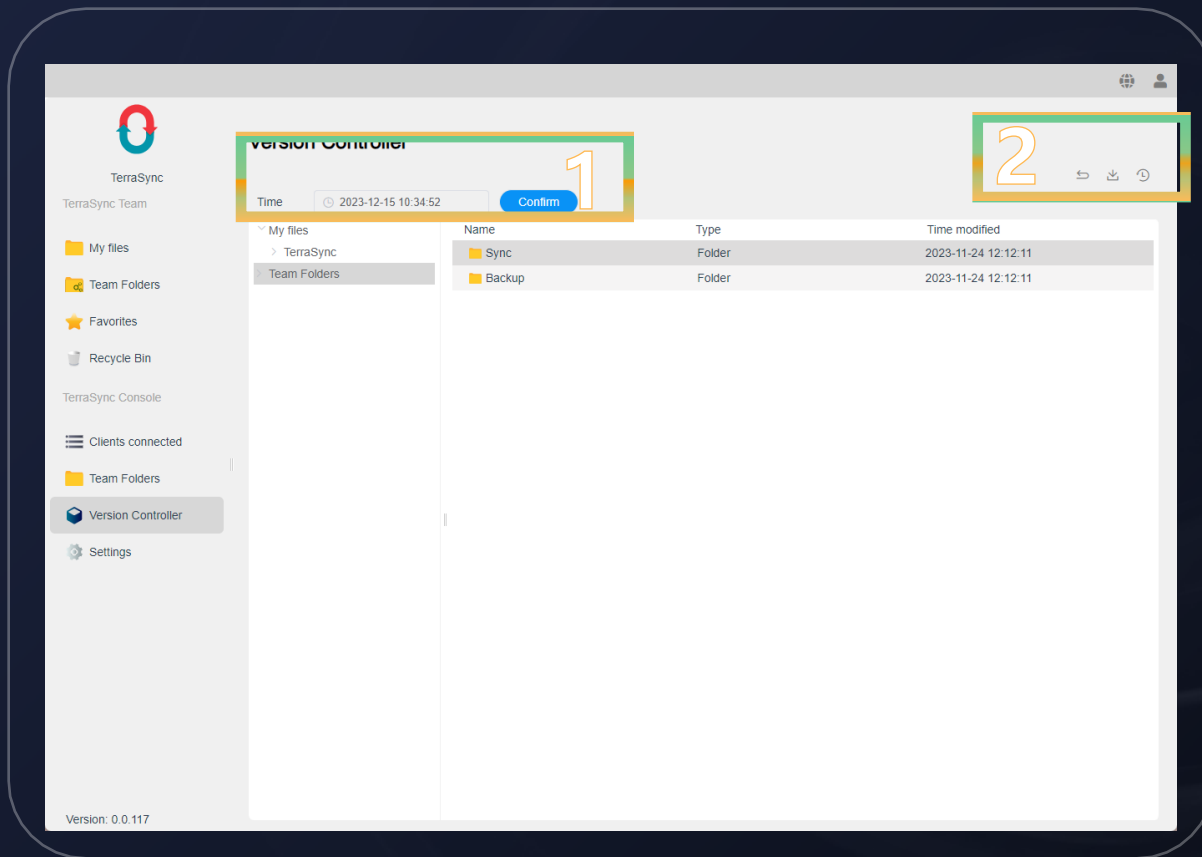
01. Flexible version limit

- 1-32 version(s) optional
- 8 versions by default

02. Periodic rotation of version

- 30 -120 days optional
- 30 days by default
- Managed strategies ensure no unnecessary space is occupied.

Version Restoration



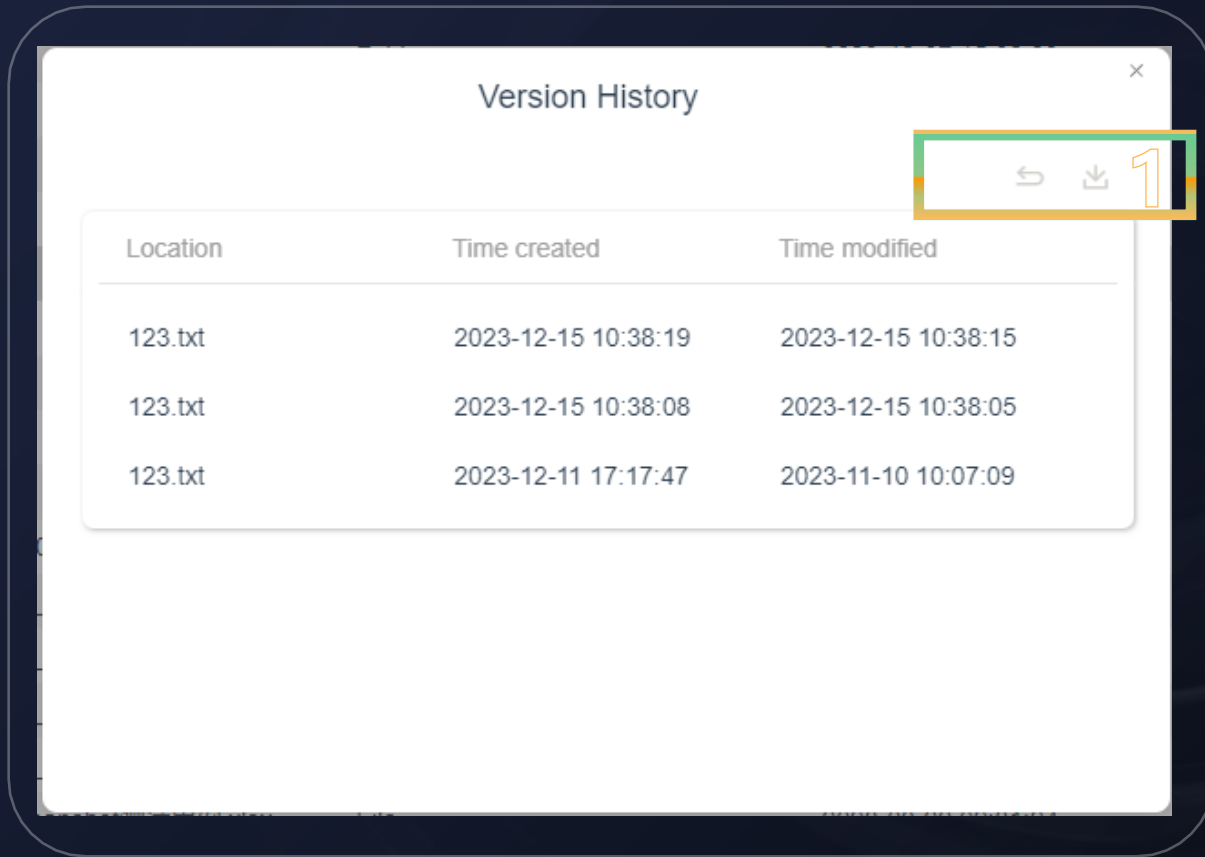
01. Time selection

- Filter by time
- You can restore the file version to the set time.

02. Operation function area

- Restore
- Download
- View version

Accidental Deletion Recovery (Version Still Exists)



Version History

Location	Time created	Time modified
123.txt	2023-12-15 10:38:19	2023-12-15 10:38:15
123.txt	2023-12-15 10:38:08	2023-12-15 10:38:05
123.txt	2023-12-11 17:17:47	2023-11-10 10:07:09

01. Accidental deletion recovery

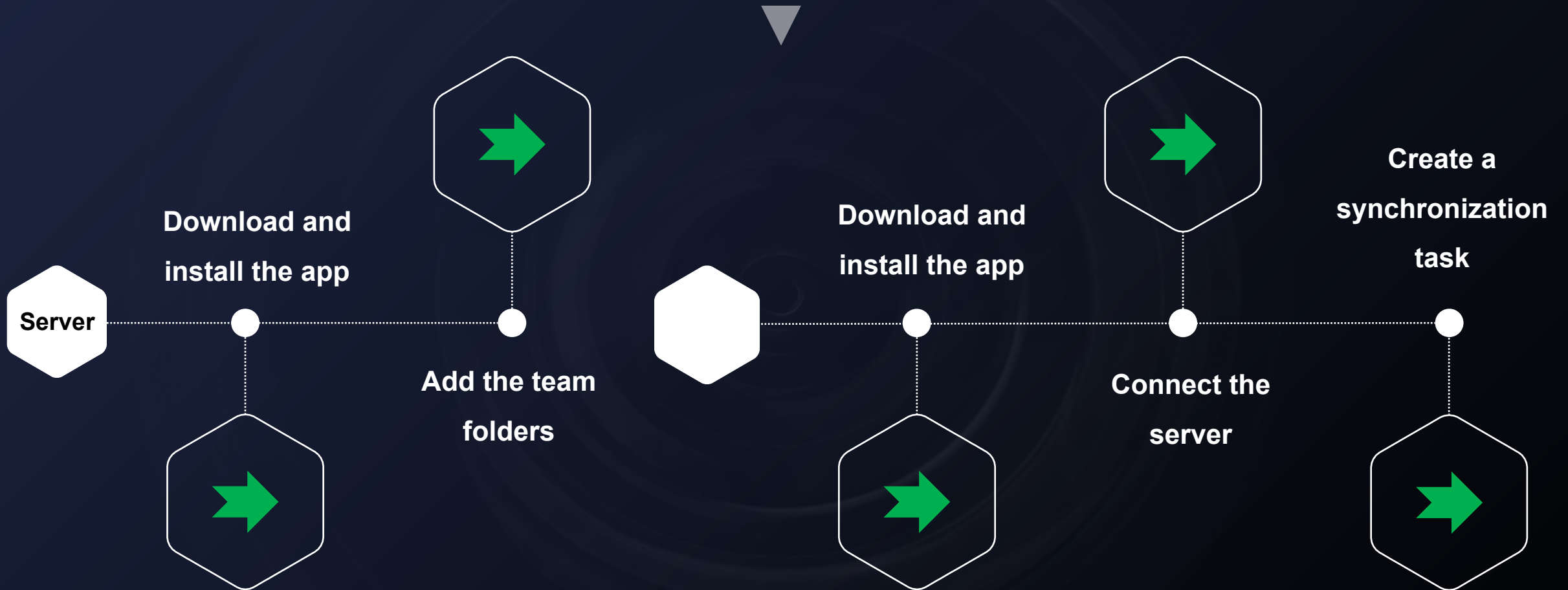
- The deleted files will be put into the recycle bin.
- The version records of file recovered from the recycle bin still exist.



PART 03.

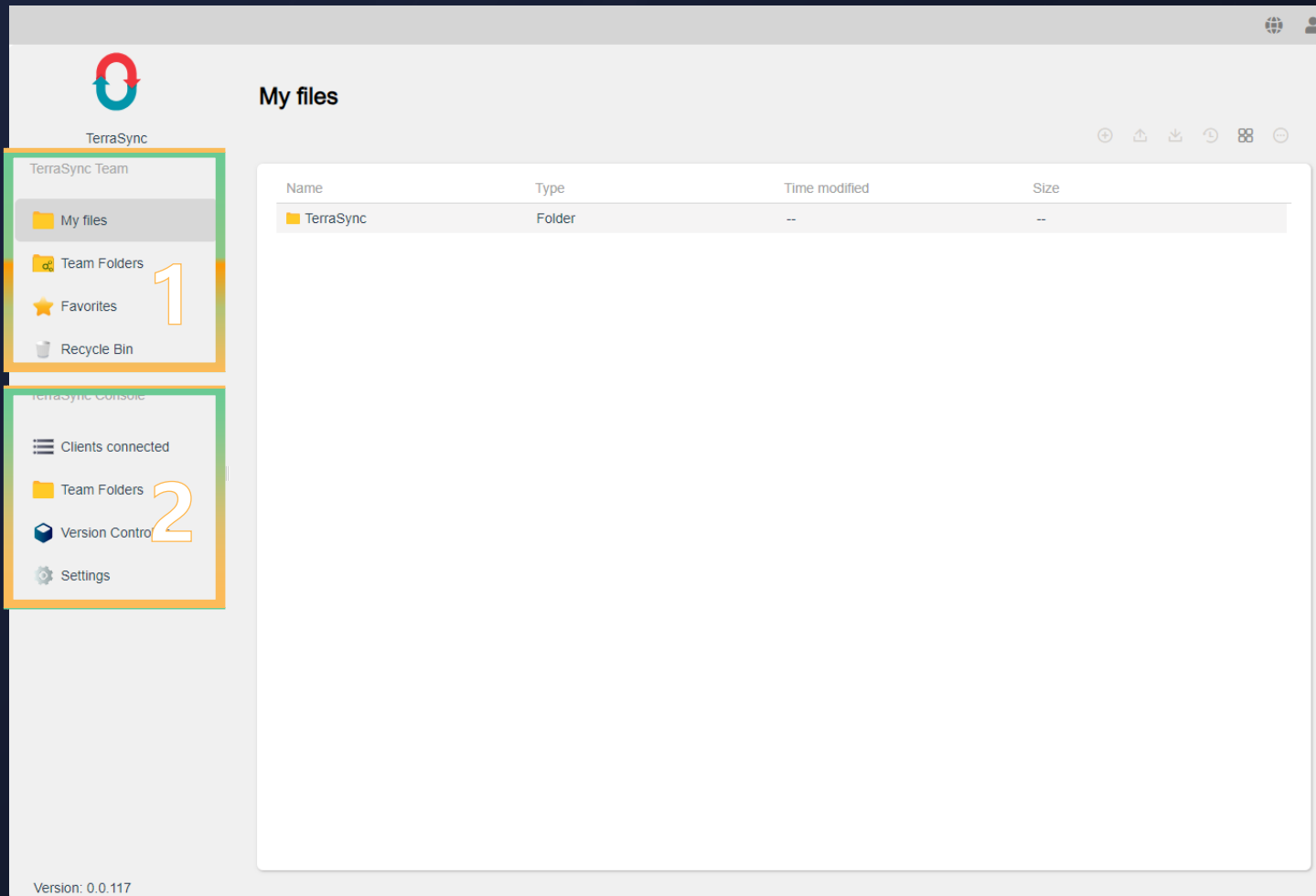
Instructions

Initialization Process



TerraSync (Server)

◆ TerraSync Team is incorporated with TerraSync Server.



01. TerraSync Team (cloud disk file management)

- My Files
- Team Folders
- Favorites
- Recycle Bin

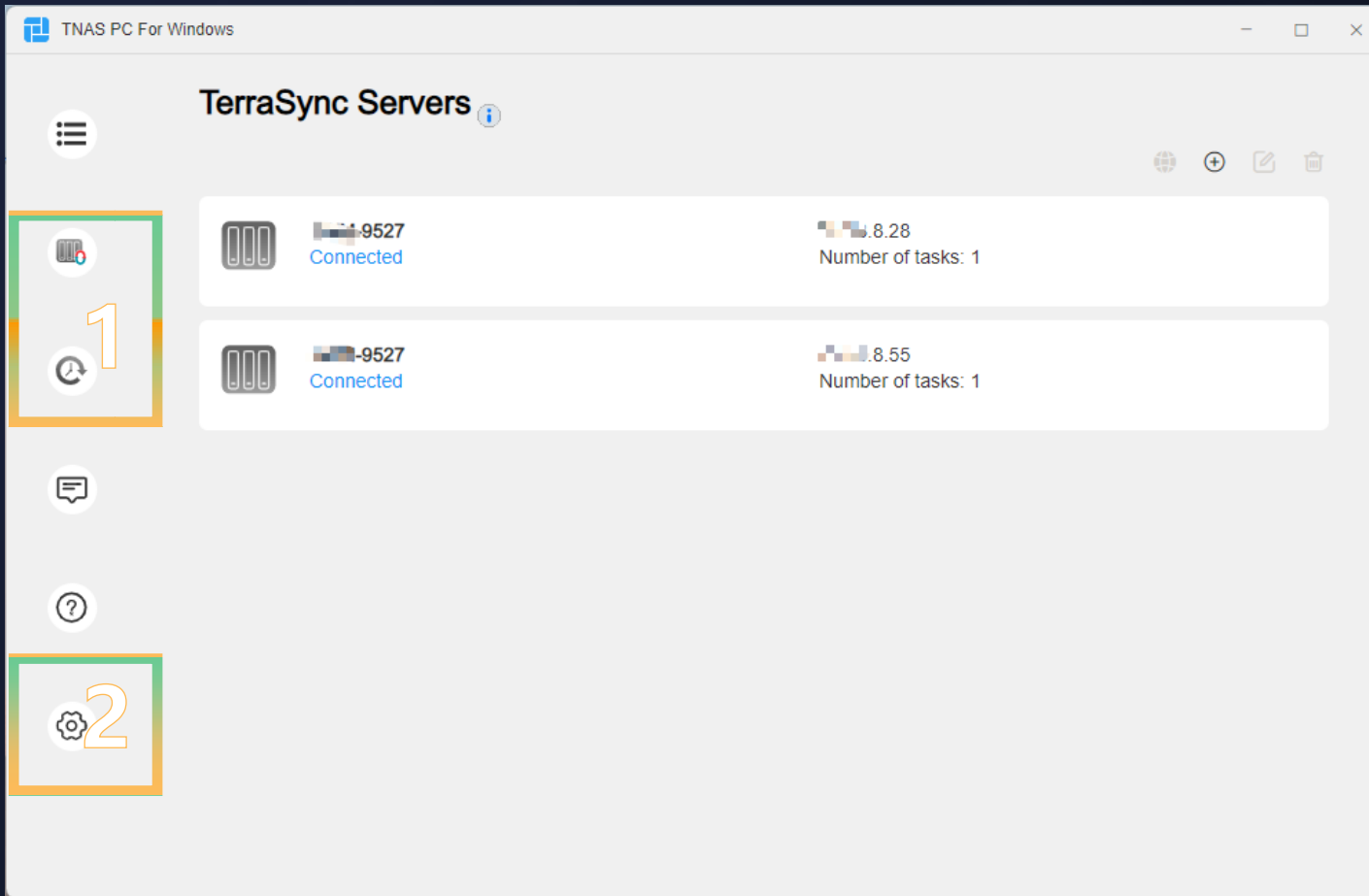
02. TerraSync Console (Server)

- Clients Connected
- Team Folders
- Version Controller
- Settings

TerraSync Windows



◆ Incorporated within the TNAS PC desktop application



01. Module of TerraSync Windows

- TerraSync server
- Synchronization task

02. Settings

- Conflict settings

TerraSync Client

◆ NAS client



01. Function module

- Connections
- Tasks
- Settings

02. Operation area

- Create
- Edit
- Delete



PART 04.

Q&A



Thank you!

The End ◀◀◀