TOS 6

The Most User-Friendly
and Visually Stunning
NAS Operating System

ABOUT TOS

NEW VISION. NEW EXPERIENCE

New

40+

new functions

Best

370+

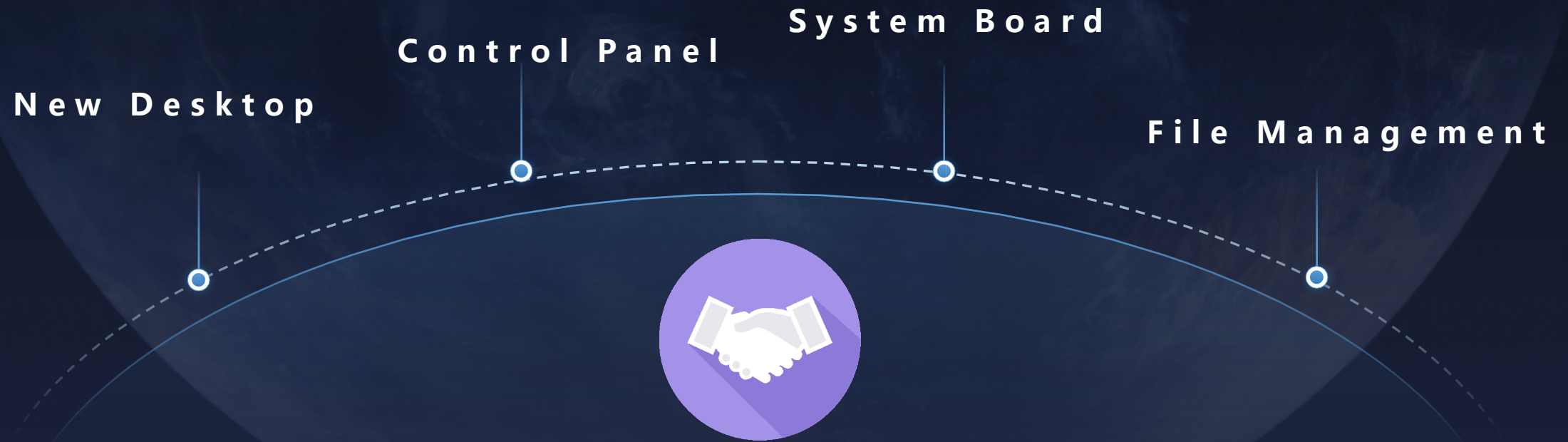function improvement

Design

90%

redesign

New Desktop

New right status bar

The status bar that can be hidden is added to the right side of the screen, integrating system board, message center, buzzer control, file task, help and display, etc.

New "Start" menu

It is a new portal that integrates user settings, shutdown and restart buttons, view history, functions and application search.

New navigation bar

The display items on the navigation bar are reduced, and the items are displayed in the center. Every currently active application is identified, and the skip of the application is simpler and faster.

Custom shortcut

You can create the shortcut for custom browser page on the desktop, which makes it easier to access applications, virtual machines and containers.

zzl123

Search

Recent Visits

File Manager

Security Advisor

All Applications
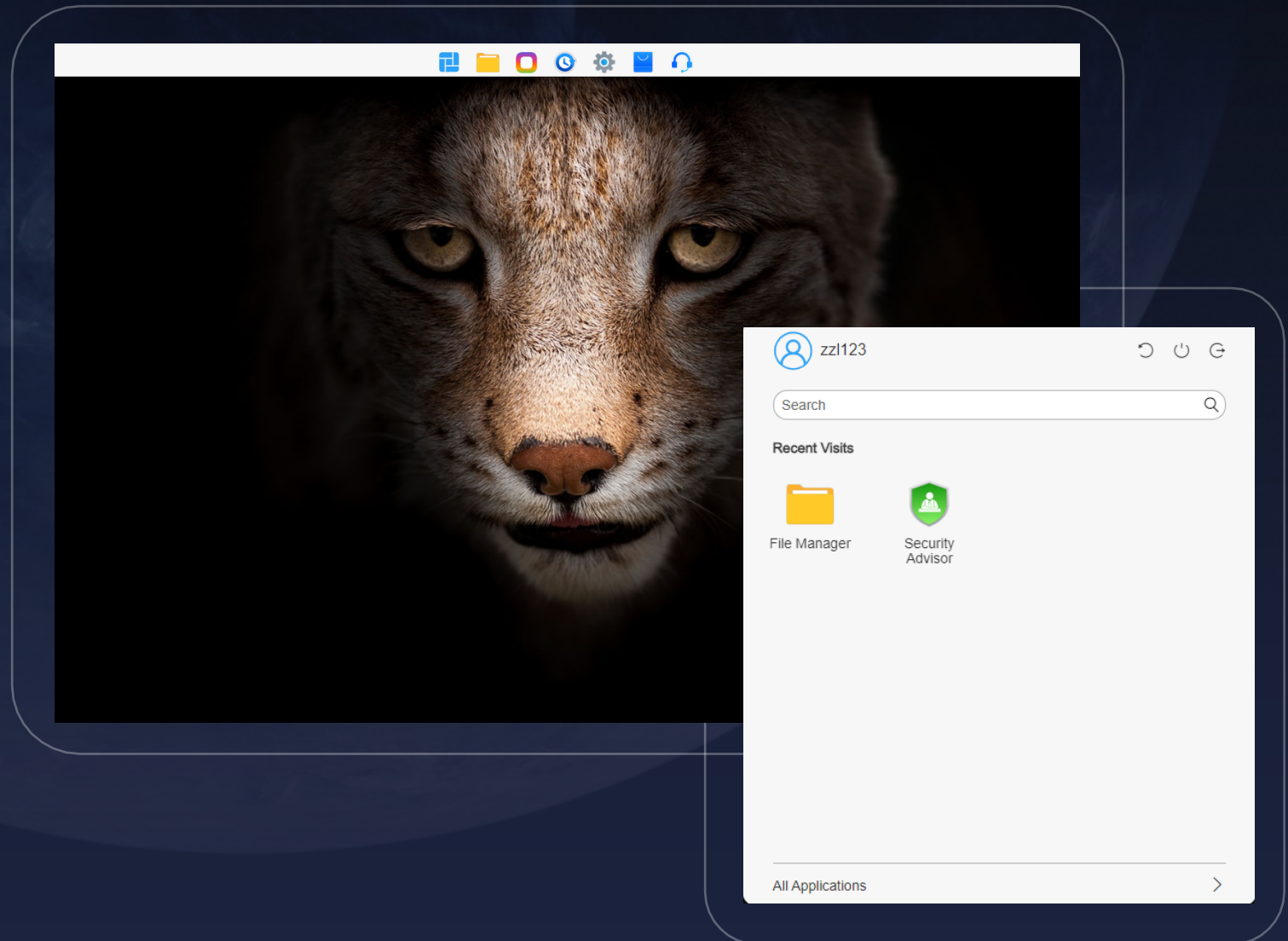
New Control Panel
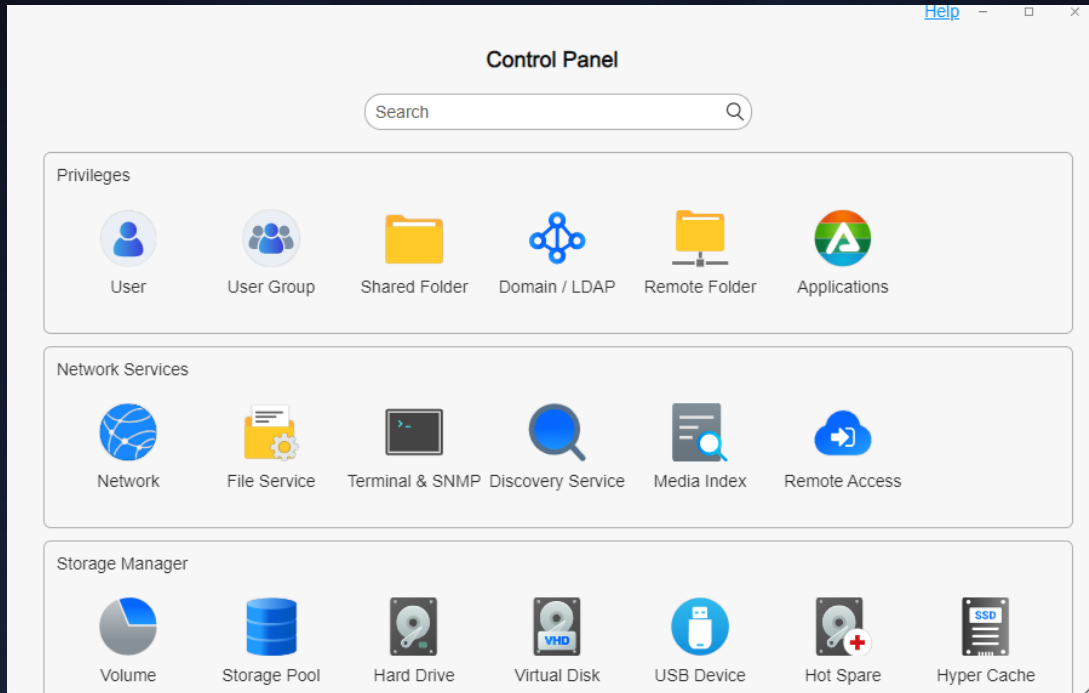
New icon

It features simple and streamlined design with bright colors and layering. It not only enhances the visual recognition, but also conveys the core value of the brand.

New module switching

By optimizing switching logic and interface design, you can switch between different modules more quickly and improve work efficiency.
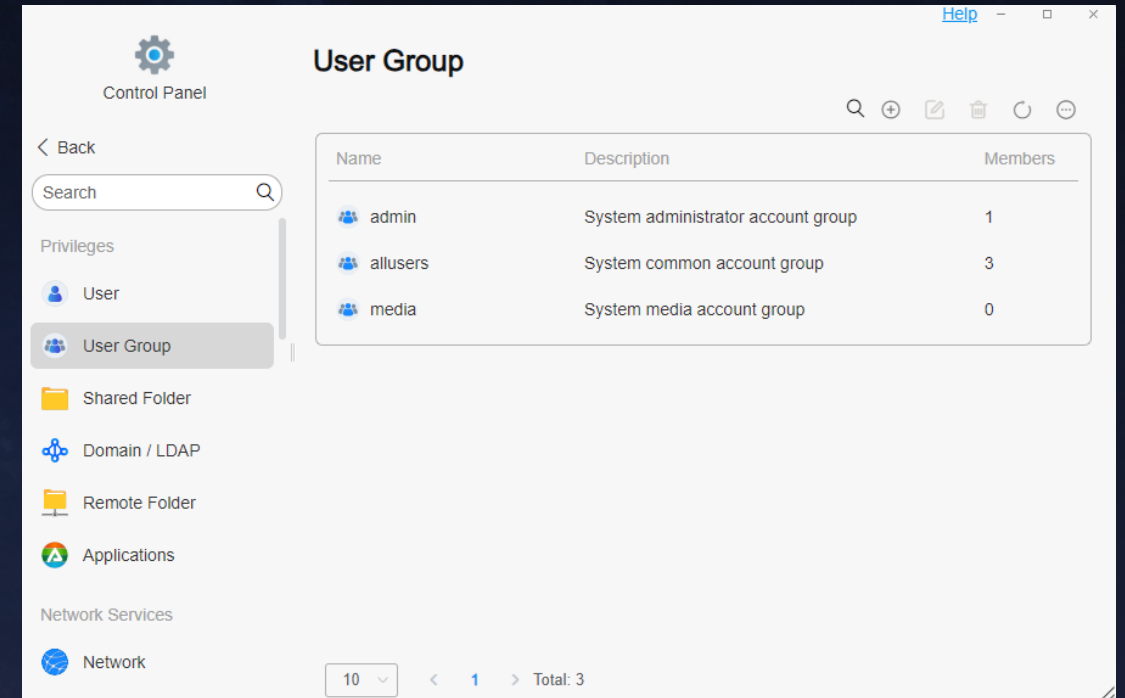
New flexible box

It provides you with more flexible and efficient interface layout options which can better adapt to different content display requirements.

Optimized search box

The new search box responds to your input quickly, providing accurate search suggestions and making you find the required information more quickly.

New System Board

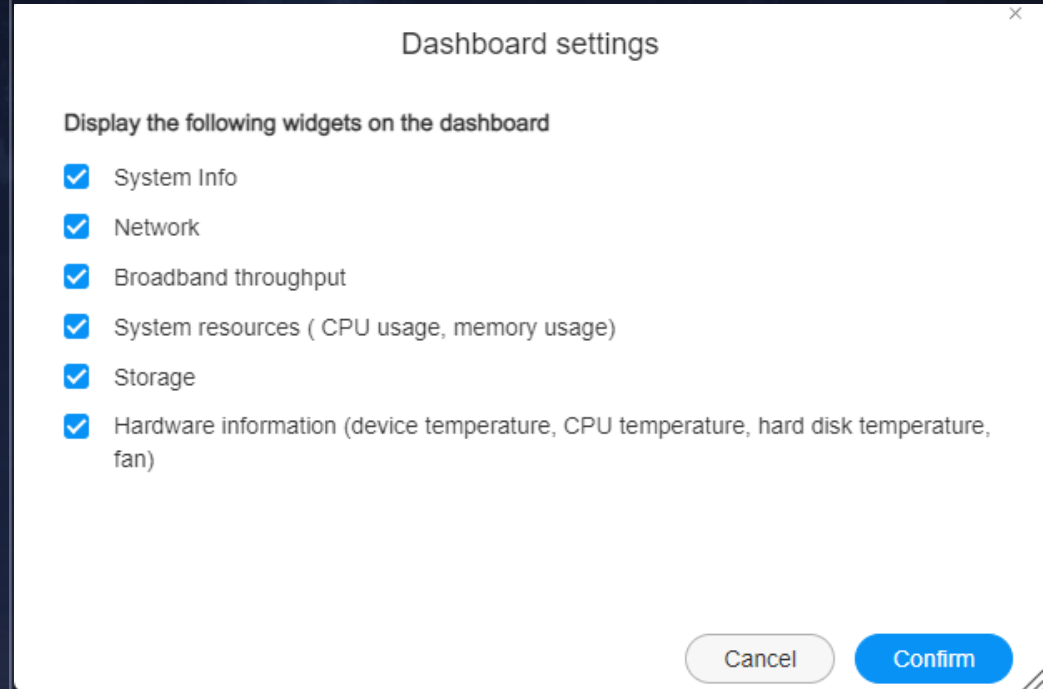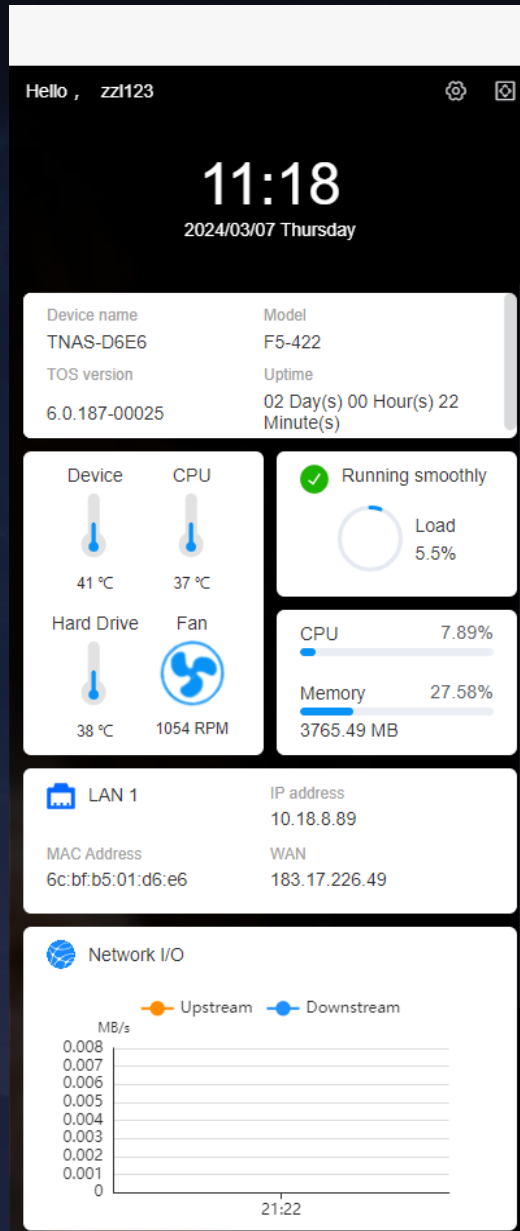## New System Board

The new system panel adopts a new layout, allowing you to customize the number and location of components and easily learn about the system running status, network connection, storage space utilization rate and hardware working status.

Real-time monitoring

The real-time update function of CPU and memory utilization by system processes is added, and sorting by process name and category is supported, making it convenient for administrator to learn about the utilization of system resources by each process at any time.

Multi-port display

The multi-port display function allows you to simultaneously connect and display the information of multiple network interfaces such as network connection status, IP address, data transmission speed, etc. and carry out network configuration and adjustment more accurately. Through multi-port display, you can manage and optimize network performance more conveniently.

Hello， zzl123

11:18
2024/03/07 Thursday

Device name	Model
TNAS-D6E6	F5-422
TOS version	Uptime
6.0.187-00025	02 Day(s) 00 Hour(s) 22 Minute(s)

Device | CPU
41 ℃ | 37 ℃

✓ Running smoothly
Load 5.5%

Hard Drive | Fan
38 ℃ | 1054 RPM

CPU 7.89%
Memory 27.58%
3765.49 MB

LAN 1 | IP address 10.18.8.89
MAC Address 6c:bf:b5:01:d6:e6 | WAN 183.17.226.49

Network I/O
— Upstream — Downstream
MB/s
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
21:22

Dashboard settings

Display the following widgets on the dashboard

- ☑ System Info
- ☑ Network
- ☑ Broadband throughput
- ☑ System resources (CPU usage, memory usage)
- ☑ Storage
- ☑ Hardware information (device temperature, CPU temperature, hard disk temperature, fan)

Cancel   Confirm

New File Management

Directory navigation and column display

Systematic classification of common directories, user directories, volumes and external storage facilitates browsing. The new column display mode allows you to browse multiple folder-level file lists simultaneously on the same page. You can drag and move the files, which greatly improves the operation efficiency.

Tabs and multi-window operations

With tab function, you can simultaneously open multiple file management windows, making it easy to move, copy and paste your files between different tabs, and thus significantly improving work efficiency.

Thumbnail and preview

The new function of switching of thumbnails of images can meet different preview requirements. It also supports the direct preview of office files without additional software required, covering images, Word, Excel, PowerPoint, PDF, TXT, etc.

File selection and task tracking

It enhances the select-all function of the mouse and shortcut keys and is added with a function of inverse selection to make file selection more flexible. When copying/moving multiple files, the new task menu will combine and display the total progress, optimizing your experience.
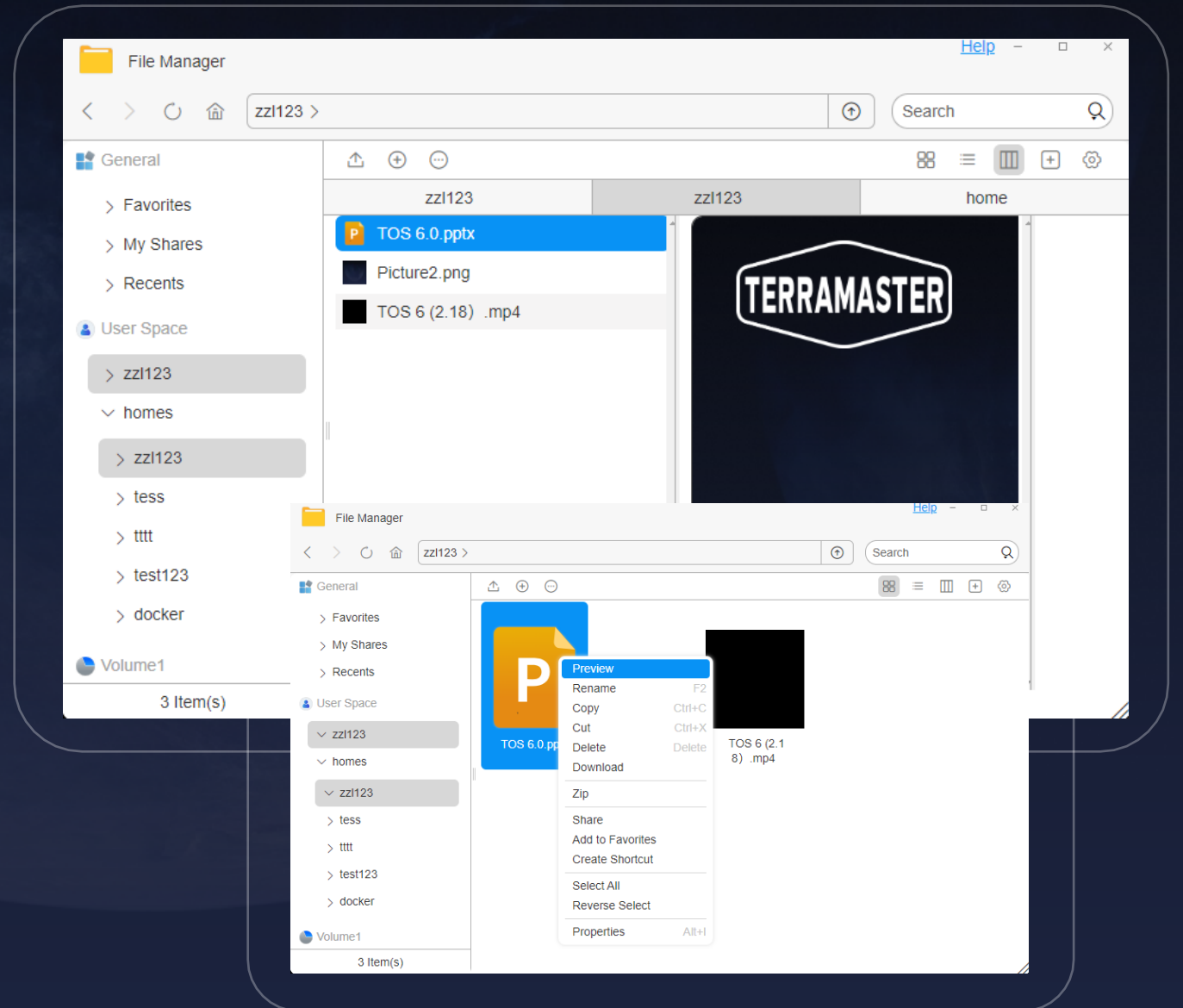
New Animation Effect

Natural login experience

When you log in, the content of the page is gradually displayed by using the fade-in effect, and the page transition is smooth, more natural and comfortable.

Smooth transition experience

Interaction of navigation bar is improved, and the page display effect has changed from zooming to fly-in, which is more streamlined and smoother.

Quick interactive experience

The response speed of the system board is accelerated. You can obtain the system information more quickly, and get a timely and quick interactive experience.
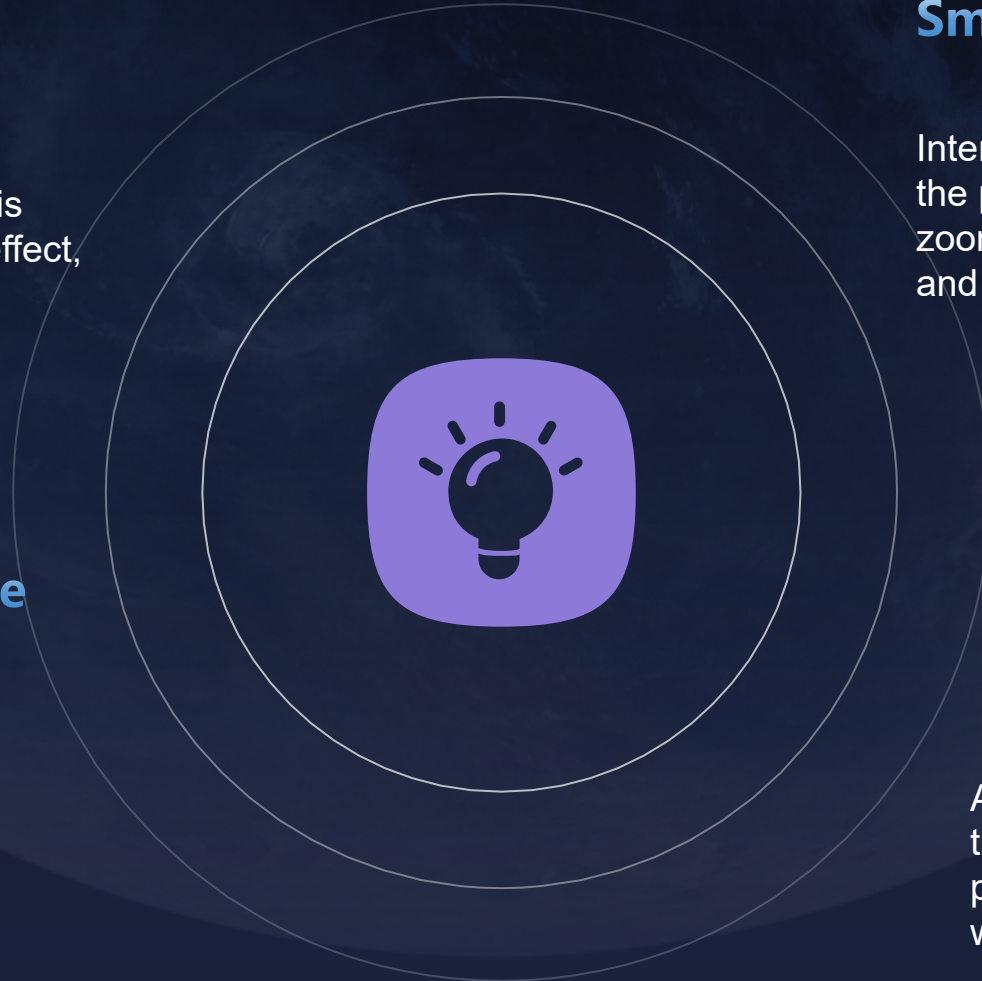
Pleasant waiting experience

A loading animation is added, which reduces the anxiety in the process of waiting and provides you with a positive and pleasant waiting experience.

Optimization Points

1. Upgraded initialization experience
2. Optimization of file system
3. Scheduled task message notification
4. Custom system disk
5. Optimized system installation process
6. Custom shortcut
7. Head portrait customization
8. Dark display mode

9. Accent color selection
10. Enhanced user search function
11. System disk identification
12. Hard disk for real-time health examination
13. Quick configuration storage
14. Intelligent monitoring of storage space
15. Health management of USB storage device
16. Acceleration of loading file list

17. View of process resource utilization
18. File management tag
19. Thumbnail switching
20. File preview
21. Multiple selectable file upload sources
22. Video thumbnails
23. Catalogue classification
....

MORE SECURE AND REASSURED

13 Permissions

SPC

Hyper-Lock

Recycle Bin

TOS 6

13 ACL permissions

Perfect permissions

In order to meet the complex permission management requirements, we have added the advanced access control list (ACL) permission function of SMB file service. Besides basic denial, read-only and read-write permissions, the administrator can choose from at most 13 fine permission control options to ensure that folder access permission is managed more carefully and comprehensively.

User

File

Administration permission	Change permission
	Obtain ownership
Read	Traverse folders/executable files
	List folders/read data
	Read attribute
	Read extended attributes
	Read permission
Write permission	Create file/write data
	Create a folder/additional data
	Write attribute
	Write extended attribute
	Delete subfolders and files
	Delete

Security and Privacy Control (SPC) Protection

Security level improvement

With advanced technical means, we aim to improve the overall security level of the system, effectively prevent malicious attacks on user data, and ensure the security of user data. Once security and privacy control protection is enabled, unauthorized applications and executable programs will not be able to access the network resources and storage space of the system so as to prevent unauthorized programs from endangering the security of user data.
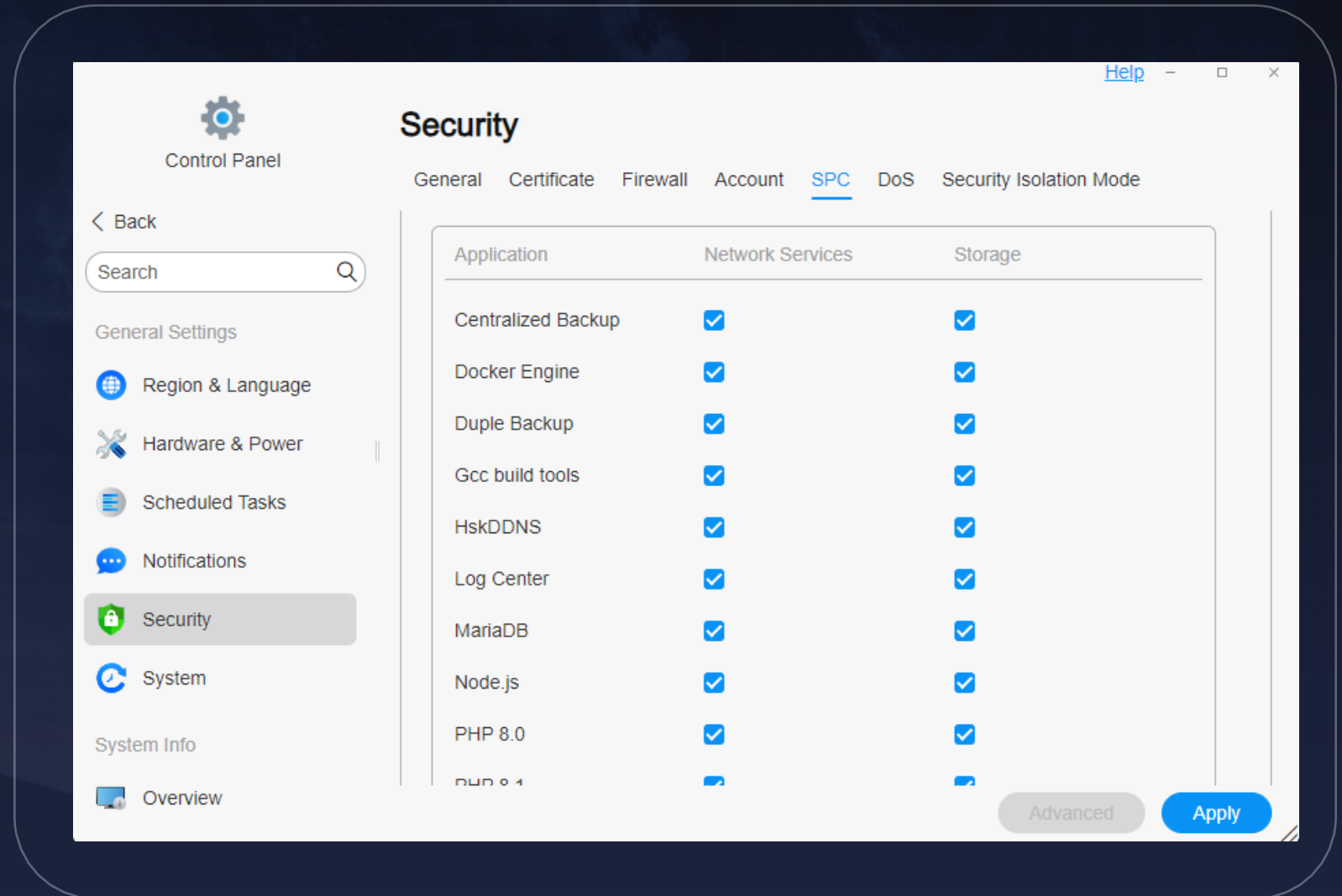
File system of Hyper-Lock WORM

In order to meet the compliance requirements of different users, we have added two modes for Hyper-Lock WORM file system: compliance mode and enterprise mode. Both of them provide you with flexible options.

Enterprise mode

Data, once written, will be protected and cannot be changed or deleted for a certain period of time.

Compliance mode

Data, once written, will be permanently protected and cannot be changed or deleted.

Create Volume

HyperLock-WORM

☑ Enable HyperLock WORM file system

○ Enterprise Mode

Protection period   365   Day(s)

● Compliance Mode
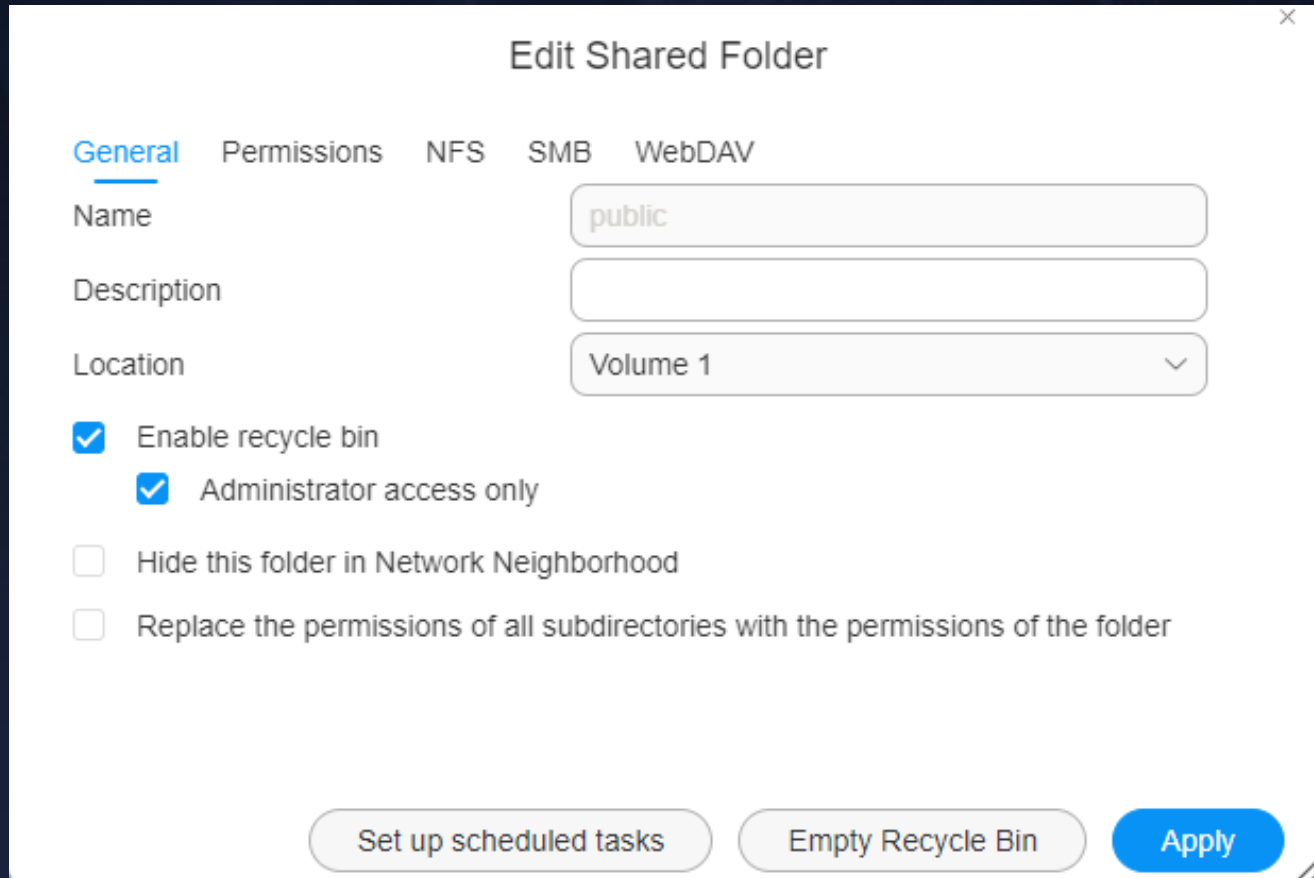
Notes

HyperLock WORM is a file system that writes multiple times at once and can be used to store sensitive data or files that are not allowed to be modified according to regulatory requirements.

Compliance mode: Once data is written to the compliance mode file system, it can

Back   Next

◆ Recycle bin permission control

Refinement of permission

In order to prevent you from deleting important files by mistake, we have added the permission control function for recycle bin. The administrator can raise the access level of the Recycle Bin so as to ensure that you can only delete files when necessary.

More functions

1. Upgrading of security control
2. Optimization of creation of storage pool
3. Permission setting adjustment
4. Automatic logout function optimization
5. Optimization of USB mounting
6. Verification code enhancement
7. Optimization of creation of hot spare
8. Optimization of storage quota settings

9. Optimization of system update process
10. System board volume adding warning
11. Enhanced accuracy of buzzer
12. SSH message notification
13. Security isolation upgrade
14. NFS advanced functions
15. Enhanced backup function
16. Key export

17. Cancelation of home directory addition prompt
18. Clearing of secondary pop-up of recycle bin
19. Double backup enhancement
20. SSD cache tool adjustment
21. Reservation of user permission upon folder transfer
22. Addition of macvlan network module to the kernel
23. Download the installation package of the application center
...

NEW CORE FUNCTIONS

Direct mount of a variety of file system disks

Online hard disk erasing

Transfer of shared folders

TOS 6

Online hard disk erasing

Hard Drive

Control Panel

Overview   Hard Drive   S.M.A.R.T.   Hard Drive Log   IronWolf Health Management

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Search

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Remote Access

Storage Manager

Volume

Storage Pool

Hard Drive

Virtual Disk

USB Device

Hot Spare

Wipe Disk

Your disk will be wipes, all partitions will be deleted, and all data on the disk will be wiped! Are you sure you want to proceed?

Name	HDD3
Model	WDC WD20EZBX-00AYRA0
Capacity	2.00 TB

Notes

Wiping a disk will delete data, which may result in the degraded or even damaged disk array.

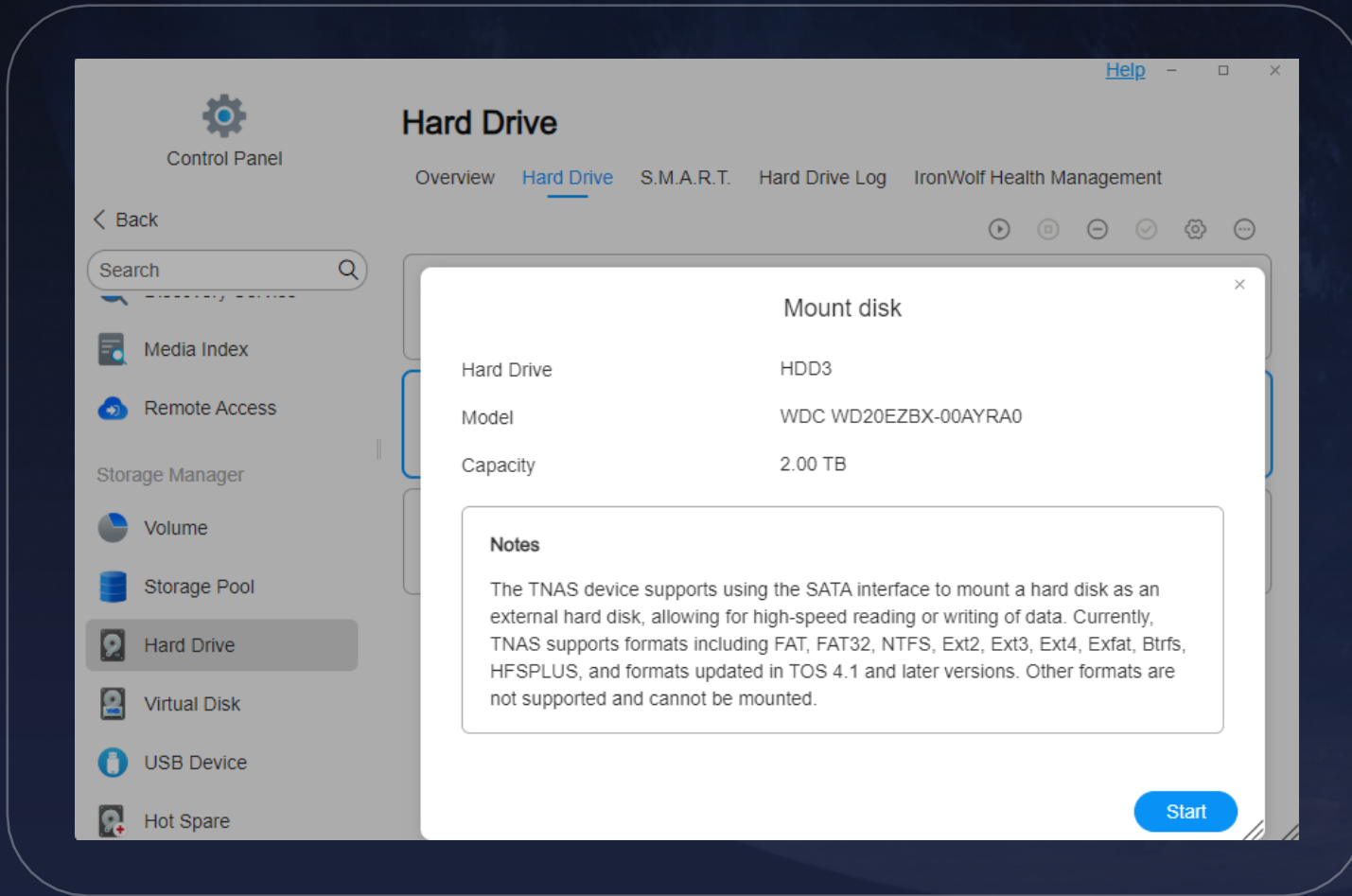Confirm

Convenient erasing

The online hard disk erasing function is added to make you able to delete all partitions and erase all data without uninstalling the hard disk or powering off, which facilitates the reformatting of the hard disk.
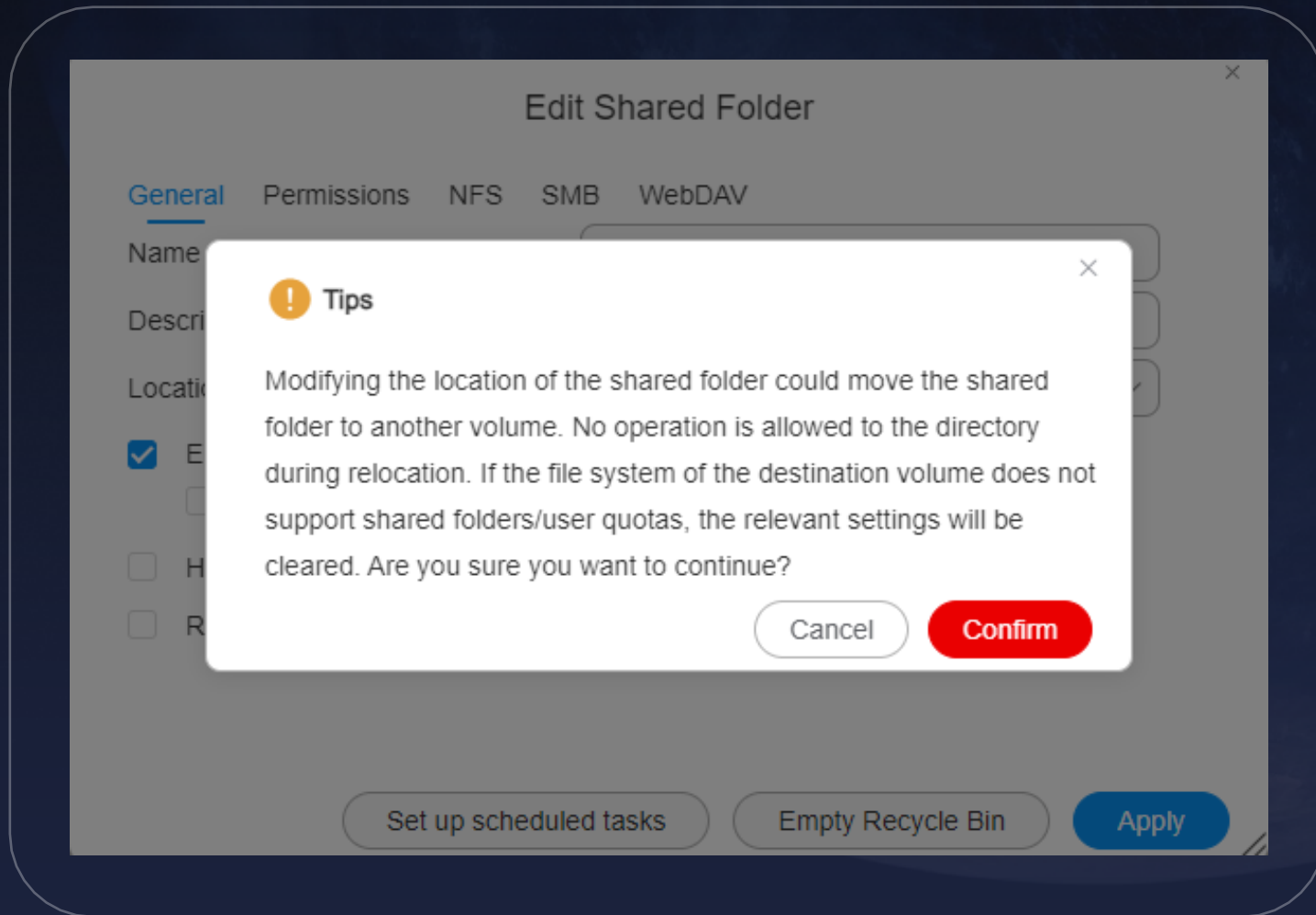
Direct mount of a variety of file system disks

Simple mounting

Without formatting required, you can directly mount the disks containing EXT3, NTFS, ExFAT and HFS+ file systems. The newly mounted disks are presented as file directories, and you can directly operate on the data in the disks.

Control Panel

Hard Drive

Overview   Hard Drive   S.M.A.R.T.   Hard Drive Log   IronWolf Health Management

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Hot Spare

Help

Mount disk

Hard Drive	HDD3
Model	WDC WD20EZBX-00AYRA0
Capacity	2.00 TB

Notes

The TNAS device supports using the SATA interface to mount a hard disk as an external hard disk, allowing for high-speed reading or writing of data. Currently, TNAS supports formats including FAT, FAT32, NTFS, Ext2, Ext3, Ext4, Exfat, Btrfs, HFSPLUS, and formats updated in TOS 4.1 and later versions. Other formats are not supported and cannot be mounted.

Start

Transfer of shared folders

Easy transfer

We have added the function of transfer of shared folders between different storage volumes, which enables you to allocate and manage your storage resources more conveniently. You can easily realize the transfer and conversion between different destinations, transfer the permission of shared folders together, and reduce cumbersome settings.

New System, New Experience

TOS 6 is added with the industry's first tab mode of file management. With the tab mode, you can easily move, copy and paste the files in different file directories without opening a new page, which greatly enhances the convenience and friendliness of file management.

Convenient operation

200%

100%

User experience

TOS 6

With TOS 6, you can create a shortcut by yourself, and customize the shortcut name, access path and port. If you need to access virtual machines or containers, you can access related pages by clicking the shortcut, which greatly improves the convenience.

10 times

system security

TOS 6 is added with ACL advanced permission management, allowing administrator to customize access permission for the shared folders. Management permission, reading permission and writing permission for folders are subdivided into 13 kinds of permissions for management in order to adapt to the complex and detailed file access permission control in the enterprise use environment.

TERRAMASTER

The New TerraMaster

TOS 6

Upgrade to our all-new operating system and discover a world of new features.

[Download now](#)