VPSTTT GROUP JOINT STOCK COMPANY

V-DRIVE



Learn more

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WHAT IS V-DRIVE?

V-Drive is VPSTTT's online data storage solution that lets users store, manage, sync and access data anytime, anywhere over the Internet. The service is built for security, stability and flexibility, suiting both personal and business needs.



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V-DRIVE ARCHITECTURE

- 4-server cluster running in parallel – boosts load balancing and keeps the service stable when a node fails.
- NVMe Tiering combined with HDD – speed-critical data is prioritized on NVMe, while HDD handles large volumes to optimize performance and cost.
- High traffic handling – supports many users accessing, syncing and transferring data at the same time.
- Nextcloud Custom Platform – a platform customized to real-world storage, sharing and data management needs.
- Multi-device sync – seamless use across Web, Windows, macOS, iOS and Android.
- Fast sharing via Link & QR Code – send, receive and download data conveniently on any device.



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HOW V-DRIVE WORKS

- Users upload data to V-Drive
- Nextcloud receives and manages files
- Data is stored on VPSTTT's server system
- Auto-sync across Web/Desktop/Mobile
- Share via Link/QR Code
- Per-user access permissions



V-DRIVE OBJECTS

- Files: documents, images, videos, data and other file formats.
- Folders: organize and classify data to suit user needs.
- Shared data: files or folders can be shared via Link or QR Code.
- Users & groups: assign permissions to access, edit or view data.

- File versions: save and restore previous versions of your data.
- Trash: restore deleted data within the system's retention period.



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DATA SECURITY AND SAFETY

- Data is transmitted over SSL/TLS connections, protecting information during upload, download and sync.
- The system supports user and group permissions, controlling who can view, edit and share data.
- Data is stored across a multi-server cluster, increasing redundancy and reducing the risk of data loss from hardware failures.
- Version history and data recovery make it easy to undo accidental edits or deletions.
- The customized Nextcloud platform gives VPSTTT more control over data administration, monitoring and governance.



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FAST SHARING, EASY FILE RECEIVING

- **Smart Link:** Share files/folders with a single link.
- **QR Sharing:** Access and receive data quickly via QR Code.
- **File Drop:** Receive files from outside without creating an account.
- **Access Control:** Set view, download, edit or upload permissions.
- **Secure Share:** Password and link expiry support.
- **Cross-Platform:** Works seamlessly across Web, Desktop and Mobile.



VPSTTT DELIVERS THE V-DRIVE SERVICE TO HELP YOU:

1

Stable, well load-balanced.

2

Optimized speed and capacity.

3

Cross-platform sync.

4

Link, QR and flexible permissions.



TECHNICAL SPECIFICATIONS OF THE V-DRIVE SERVICE

A private cloud storage platform on Nextcloud Custom, running on VPSTTT's multi-server infrastructure, supporting multi-device data storage, sync and sharing.

4-server cluster running in parallel

High access speed and large capacity

Sync on Web, Windows, macOS, iOS & Android

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KEY HIGHLIGHTS OF V- DRIVE

SECURE - RELIABLE



1. SSL/TLS CONNECTION SECURITY

Highlights:

- Data between users and V-Drive is protected via HTTPS/SSL/TLS.
- Reduces the risk of data being read or tampered with in transit.

Practical benefits:

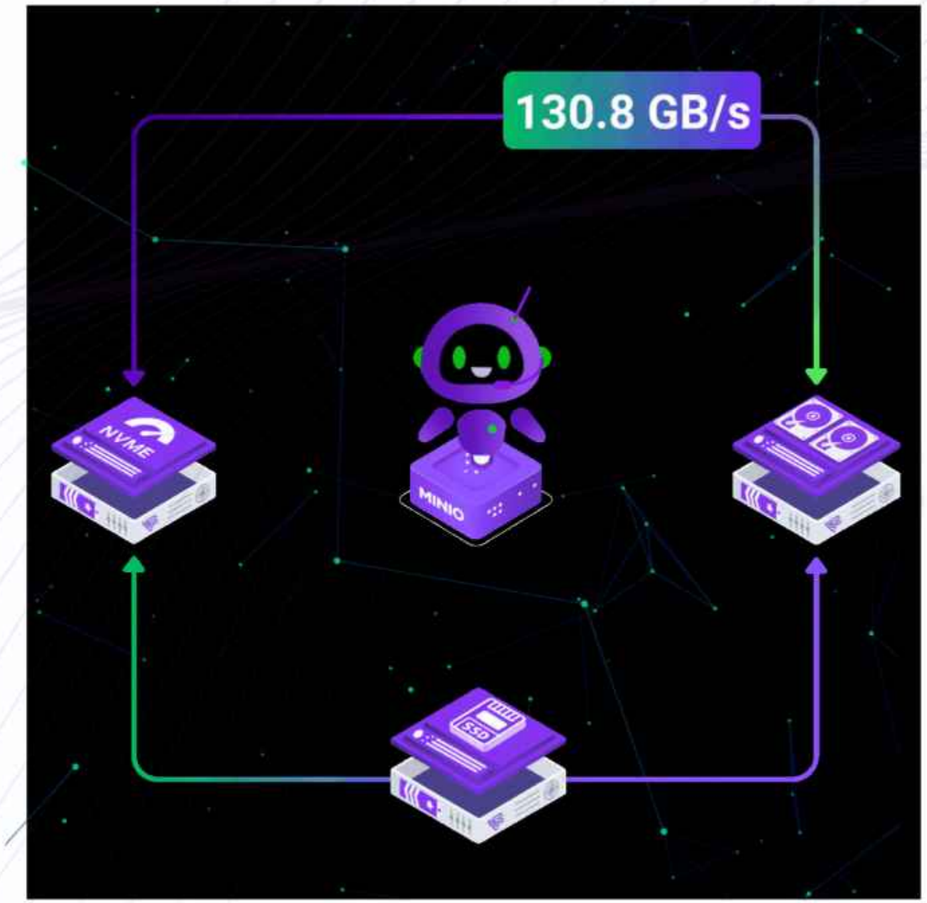
- Protects upload, download and data sync.
- Works across V-Drive on Web, Desktop and Mobile.

Technologies used:

- Supports DV, OV, EV validation and wildcard certificates.



2. V-DRIVE STORAGE PERFORMANCE



Highlights:

- 4-server cluster running in parallel for load balancing and stable data access.
- NVMe Tiering + HDD architecture balances access speed and storage capacity.

Practical benefits:

- Maintains stable performance when many users access at the same time.
- Optimized upload, download and data sync speeds.

Technologies used:

- NVMe for frequently accessed data
- HDD for large-volume data
- System performance monitoring and optimization

3. V-DRIVE STORAGE CAPACITY

Highlights:

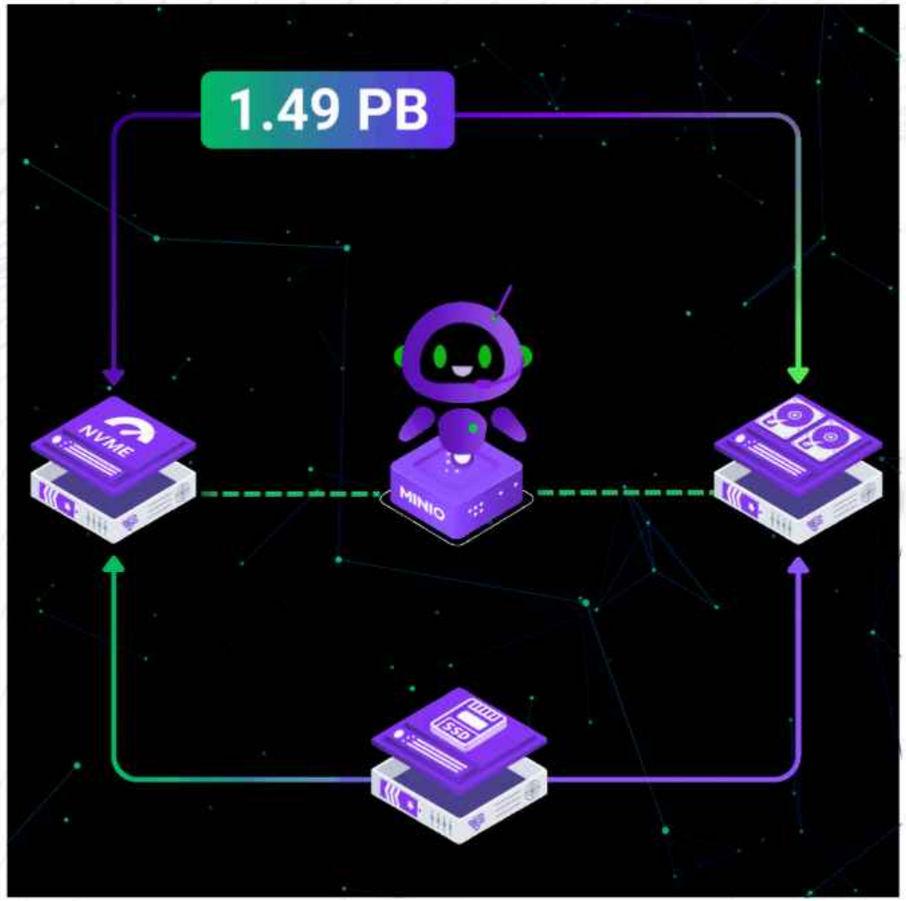
- Flexibly expandable storage capacity on demand.
- NVMe Tiering + HDD to balance performance and capacity.
- Ideal for documents, images, videos and business data.

Practical benefits:

- Centralized data management on one platform.
- Supports long-term storage and access across devices.
- Expand capacity without changing how users work.

Technologies used:

- 4-Node Storage Cluster
- NVMe + HDD Tiering
- Nextcloud Custom Platform



4. I/O PERFORMANCE & CONCURRENT ACCESS

Highlights:

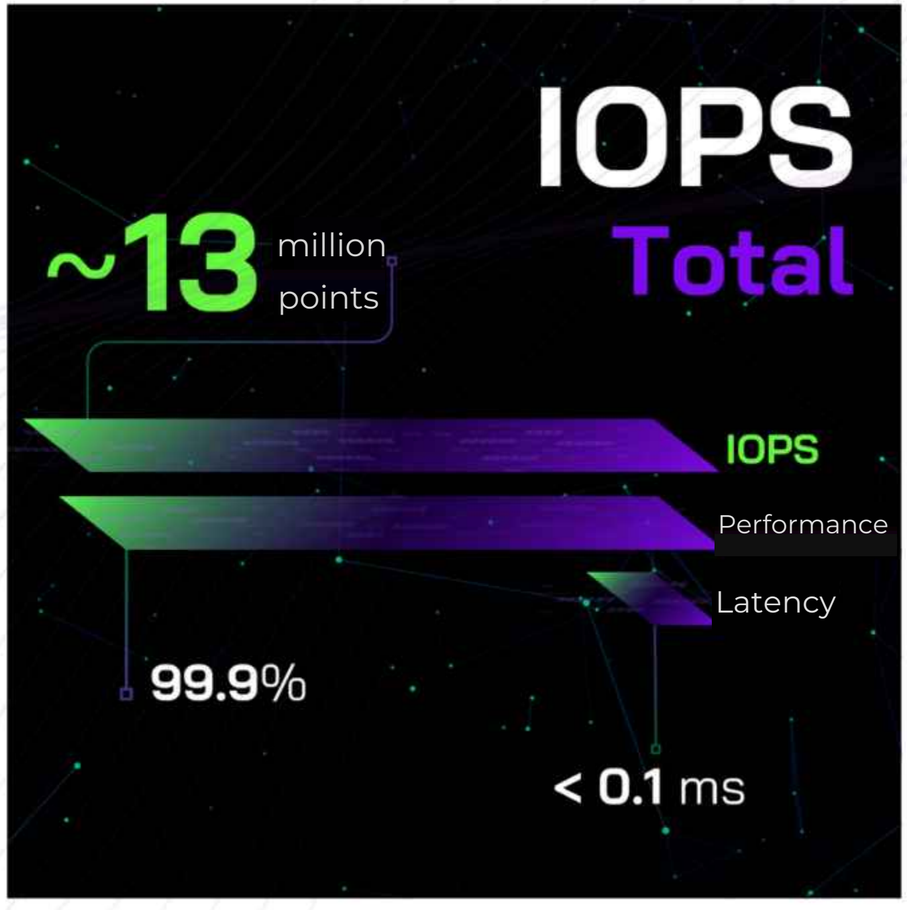
- NVMe + HDD architecture optimizes data read/write operations.
- 4-server cluster balances the load when many users access at the same time.

Practical benefits:

- Stable performance as concurrent sessions grow.
- Faster file opening, upload, download and sync.

Technologies used:

- NVMe Tiering
- Multi-node Storage
- Load Distribution
- Performance Monitoring



5. TRAFFIC & DATA SYNC

Highlights:

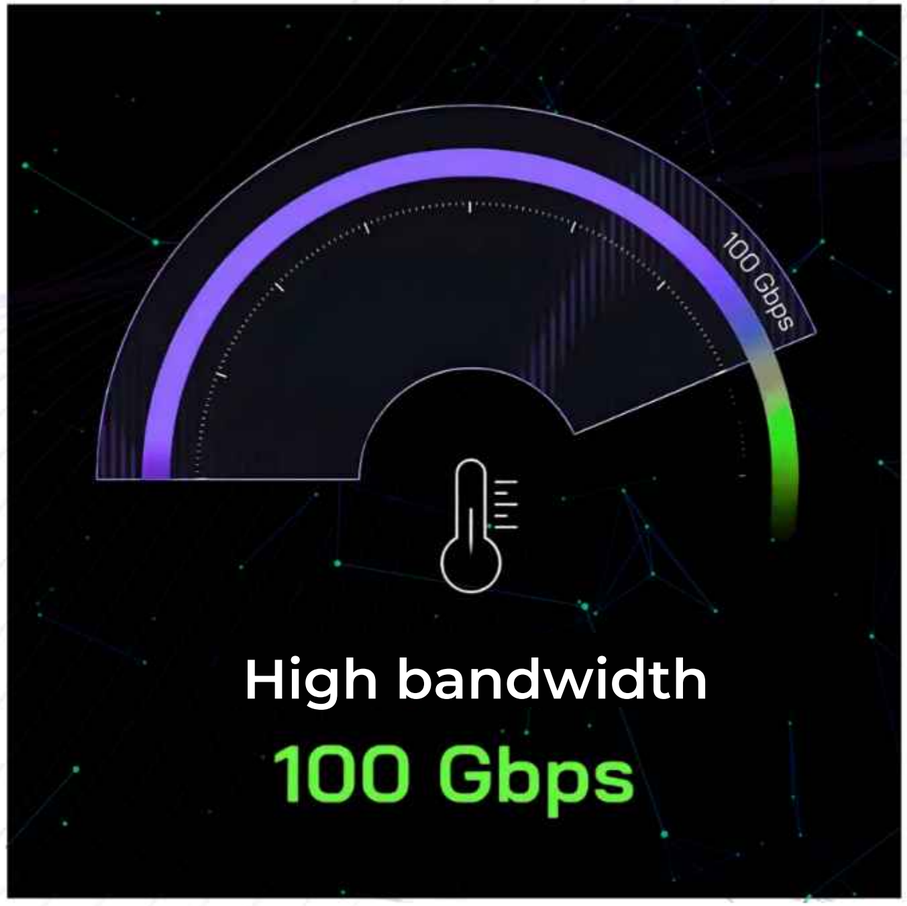
- Multi-server infrastructure supports heavy traffic and many concurrent connections.
- Stable access as the number of users grows.
- Optimized upload, download and data sync across multiple devices.

Practical benefits:

- Continuous file sync across Web, Windows, macOS, iOS and Android.
- Ideal for file sharing, teamwork and large-volume data storage.

Technologies used:

- 4-Node Cluster
- Nextcloud Sync
- Load Distribution
- Traffic Monitoring



6. API & INTEGRATION CAPABILITIES

Highlights:

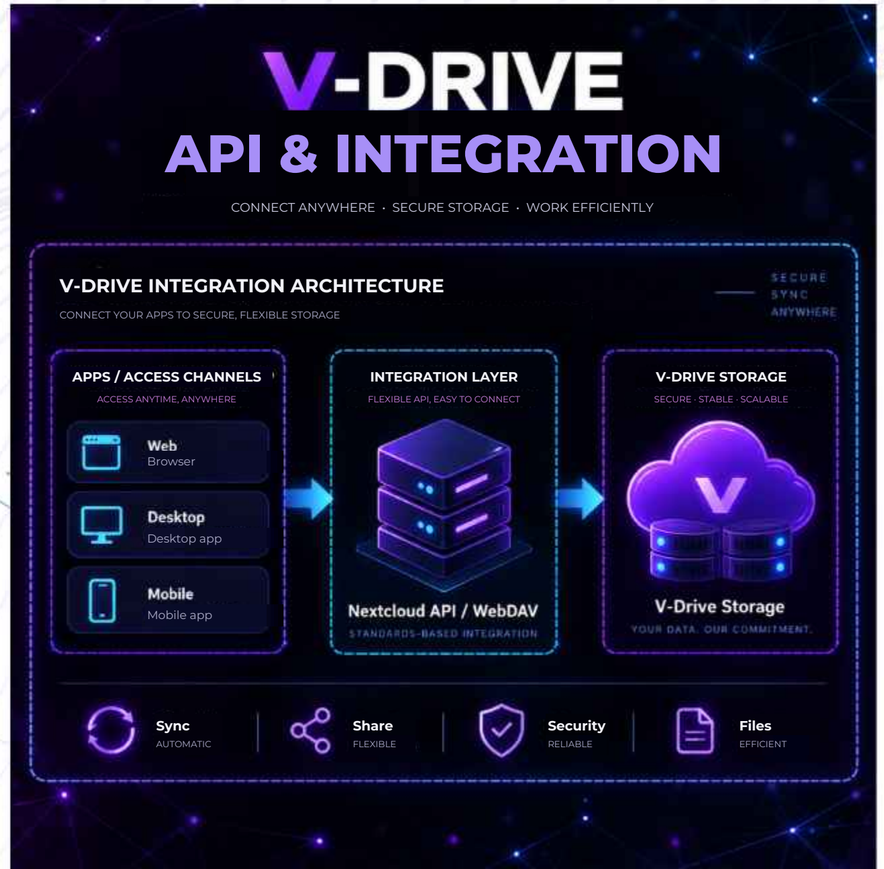
- Supports Nextcloud WebDAV and API to connect with external apps and services.
- Centralized management of files, folders, users and access rights.
- Ready to integrate with Web, Desktop and Mobile.

Practical benefits:

- Easily connect V-Drive with internal systems and business apps.
- Supports automated upload, download, sync and data sharing.

Technologies used:

- Nextcloud API / WebDAV
- User & Group Permission
- SSL/TLS
- Activity Log / Audit (if enabled on the system)



7. UPTIME

Highlights:

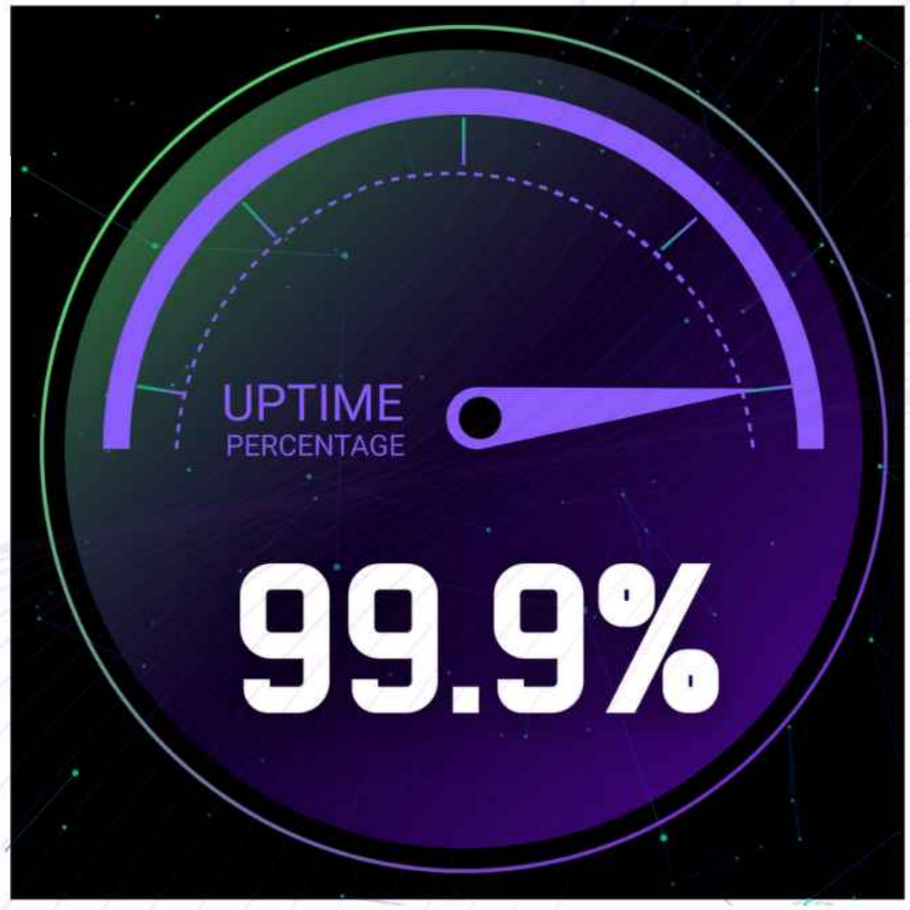
- Runs on a 4-server cluster with load distribution across nodes.
- Multi-server architecture reduces reliance on any single server.
- The system is designed for stable data access and sync.

Practical benefits:

- Reduces the risk of disruption when a system component fails.
- Supports many users uploading, downloading and syncing at once.

Technologies used:

- 4-Node Cluster
- System Monitoring
- Load Distribution
- Nextcloud Custom Platform



8. DATA SAFETY AND CONTROL

Highlights:

- Data is stored centrally on the Cloud system.
- Supports access permissions by user and group.
- Proactive control over file and folder sharing.

Practical benefits:

- Keeps data from being scattered across personal devices.
- Easily manage access rights within teams and businesses.

Supported features:

- Account and access rights management.
- Monitor activity and changes on the system.



COMPARING 3 STORAGE MODELS
OBJECT STORAGE – FILE STORAGE – BLOCK STORAGE

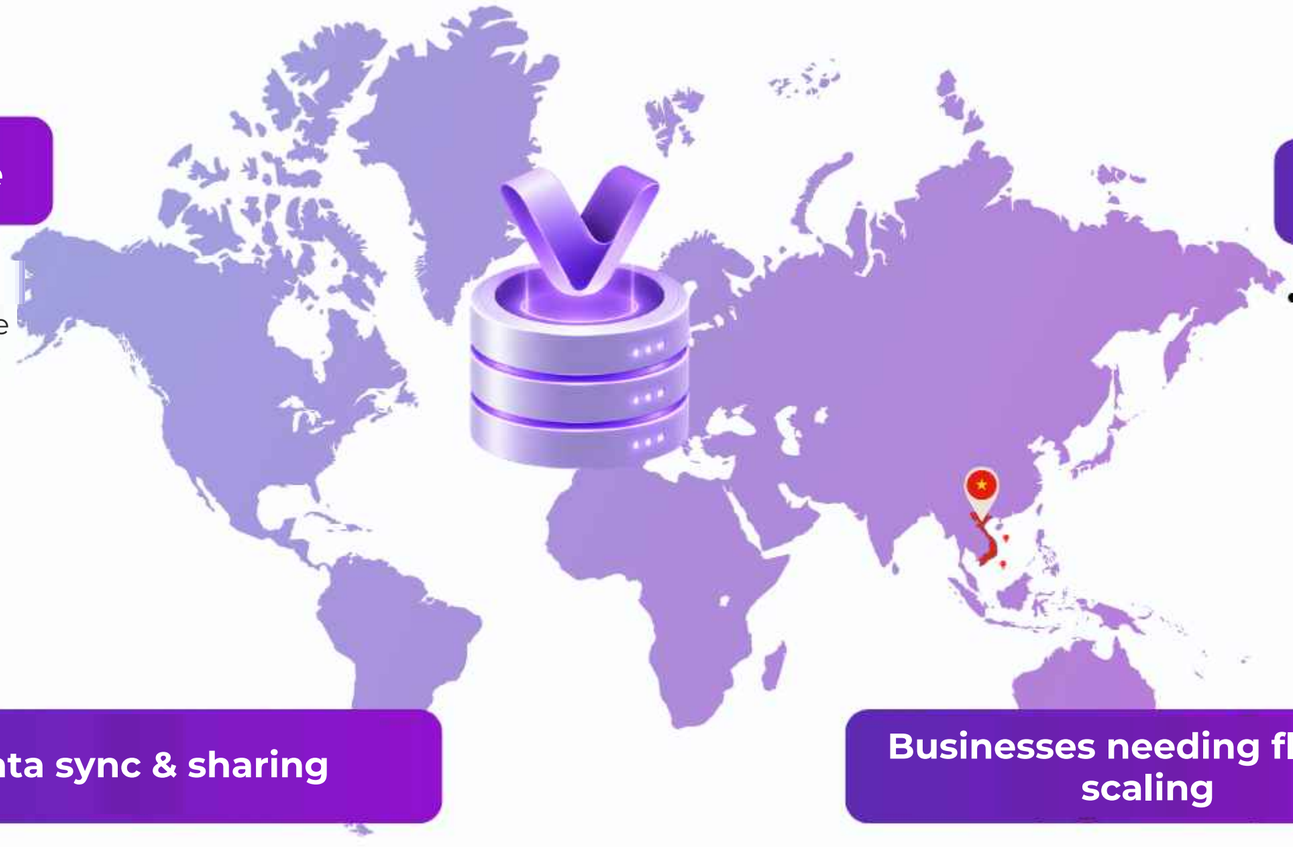
Criteria	Object Storage	File Storage	Block Storage
Data structure	Flat, non-hierarchical namespace	Directory tree (parent – child)	Equal-sized data blocks
Access method	Via API (HTTP/S) with GET, PUT, DELETE. Direct access to objects	Via network protocols such as NFS, SMB/CIFS. Must be mounted in the OS	Mounted as a local drive (e.g. C:, /dev/sda)
Metadata	Rich, unlimited customization	Limited (file name, size, created/modified dates)	No metadata, block data only
Scalability	Virtually unlimited (Petabytes, Exabytes), scalable resources	Limited by the file system	Limited by volume size

WHAT LIMITATIONS DOES V-DRIVE SOLVE?

Need	Traditional storage	V-Drive
Centralized storage	Data scattered across many devices	Centralized data management on the Cloud
Working across devices	Files must be copied manually	Sync and access on multiple devices
Data sharing	Sent via USB, email or other apps	Share files/folders directly
User management	Hard to control access rights	Permissions by user/group

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WHEN SHOULD YOU CHOOSE V-Drive?



Centralized data storage

- Store documents, images, videos and work data on a single Cloud platform, easy to manage and scale when needed.

Fast access in Vietnam

- Server infrastructure in Vietnam enables fast access, uploads and downloads, ideal for local individuals and businesses.

Data sync & sharing

- Sync data across computers, phones and other devices; easily share files and folders and set permissions per user.

Businesses needing flexible scaling

- Upgrade storage, add users and customize to your needs as your team or business grows.

REAL-WORLD USES
V-DRIVE

1. Centralized data storage & management



Store documents, images, videos and work files in a single system, making data easy to find and never scattered across devices.



2. File sharing & teamwork

Share files or folders with colleagues, set view/download/edit permissions and work together on one shared data source. VPSTTT also offers OnlyOffice integration to edit Word, Excel and PowerPoint directly in the cloud.

REAL-WORLD USES V-DRIVE

3. Business data storage



Ideal for contracts, accounting documents, HR records, project files and internal data; V-Drive data is hosted on VPSTTT infrastructure in Vietnam.



4. Private cloud for your company

Use your own domain, logo and user permissions to build an internal storage system like Google Drive, with more control over data and administration.

REAL-WORLD USES
V-DRIVE

5. Internal document storage & sharing drive



V-Drive is a private cloud storage platform running on 4 servers with an NVMe Tiering + HDD architecture, optimizing performance and capacity. It supports multi-device sync, flexible sharing and easy access via the Nextcloud Custom platform, ideal for businesses and teams.



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APPLICATIONS COMPATIBLE WITH
V-Drive

Nextcloud

Cyberduck

VELERO

AWS CLI

S3 Browser

WHY TRUST VPSTTT'S V-DRIVE

7 YEARS +

Experience

12,000 +

Customers

12 +

Development Partners

1,000 +

Successful Projects

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VPSTTT FIREWALL ANTI-DDOS KEY FEATURES



International blocking

International block/unblock: VPSTTT lets customers block and unblock IPs anytime, anywhere.

Auto-detect and block DDoS

Detects and blocks DDoS attacks at the first sign of an attack.

Comprehensive connection monitoring

Lets network administrators monitor network activity.

24/7 technical support

VPSTTT helps you tailor the firewall to your needs and respond quickly to new attack methods.

ARBOR APS - DEDICATED DDOS PROTECTION AT VPSTTT

WHAT IS ARBOR APS?

- Hardware DDoS appliance developed by Arbor Networks
- Deployed directly at the network infrastructure edge
- Built-in real-time detection, automatic attack traffic filtering



KEY FEATURES

- Realtime DDoS detection (under 1 second)
- L3/L4/L7 traffic filtering
- Behavior analysis, machine learning
- ASN blocking, geo-blocking, BGP blackhole support
- Intuitive traffic monitoring dashboard, detailed logs

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THANK YOU FOR YOUR INTEREST IN VPSTTT'S V-DRIVE SERVICE



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