

Not Google Drive or Windows Server, this is an effective data management solution for businesses

For businesses looking for low-cost data management, backup and security solutions, Synology's Synology Drive application will be the best choice to replace popular data management services like Windows Server. or Google Drive.

Previously, GenK has implemented the article How to use backup strategy 3-2-1 with Synology Diskstation DS918 +. Today will introduce the details of Synology Drive application for effective data management solution for enterprises. The article still uses Synology NAS DS918 +, but GenK has attached a 2.5 inch Samsung 860 Pro 512GB SSD with fast data retrieval (read speed of 560 MB / s, write speed of 530 MB / s). Together with Samsung integrated technology, the hard drive can operate stably, ensuring data is always safe.

Currently, large businesses in Vietnam use Windows Server systems with high security capabilities in managing and backing up data. Meanwhile, some businesses with limited IT management resources use cloud storage services to easily manage and store data.

However, the above solutions also reveal many shortcomings. With Windows Server, the initial deployment costs are quite expensive, the VPN installation process is complicated, IT staff require skills and knowledge of system administration and security. The ability to access and share data remotely is limited, with many inconveniences, you can only share files via email or FTP.

With cloud storage services like Google Drive, security features are not appreciated, there is interference from 3rd party applications that affect the privacy of enterprise data.

Powerful, one-time, private cloud storage solution

Windows Server and popular cloud storage services charge an annual fee for hosting packages according to size and demand. With Synology Drive, businesses only pay once for NAS devices and storage hard drives instead of having to spend money to extend the service, saving operating costs. When you need to increase storage capacity, the cost to upgrade is still less than other services.

Comparison with Windows file server

*The hardware costs (w/o HDD) of DS918+ and RS1619xs+ are MSRP. The other prices are the reseller price provided by a distributor in Taiwan and may vary by country.

| Features | Synology Drive + Synology NAS | Windows File Server |
|---|---|---|
| Pricing* | | |
| (Businesses with 100 users) | | |
| Total costs | \$1,192 (DS918+; 4TB x4; RAID5) | \$6,173 (HPE ProLiant MicroServer Gen10, 4TB x4; RAID 10) |
| Hardware costs (w/o HDD) | \$499 | \$330 |
| HDD costs | \$693 | \$693 |
| Server license costs (Windows Server 2016 Standard) | \$0 | \$817 |
| CAL costs of 100 users | \$0 | \$4,333 |
| Warranty | 3 years | 3 years |
| Quota | 120GB / user | 80GB / user |
| Total costs | \$3,384 (RS1619xs+; 10TB x4; RAID5) | \$16,450 (Dell EMC PowerEdge R230; 10TB x4; RAID 5) |
| Hardware costs (w/o HDD) | \$1,899 | \$1,148 |
| HDD Costs | \$1,485 | \$1,485 |
| Server license costs (Windows Server 2016 Standard) | \$0 | \$817 |
| CAL costs of 300 users | \$0 | \$13,000 |
| Warranty | 5 years | 3 years |
| Quota | 100GB / user | 100GB / user |
| Supported protocols | SMB/CIFS, AFP, NFS, FTP, WebDAV | SMB/CIFS, AFP, NFS, FTP, WebDAV |
| Directory service | Windows AD, LDAP & Synology Directory Server | Windows AD & LDAP |
| File sharing | Use shared links with further protection | Use emails, FTP, or personal public cloud |
| Computer-to-server syncing | O | X |
| Server-to-server syncing | O (Synology Drive ShareSync) | O (DFS-R or Azure File Sync) |
| Mobile app | O | X |
| Content Collaboration | O (Synology Office) | X |
| Data protection | Hyper Backup & Snapshot Replication | Windows Server Backup |

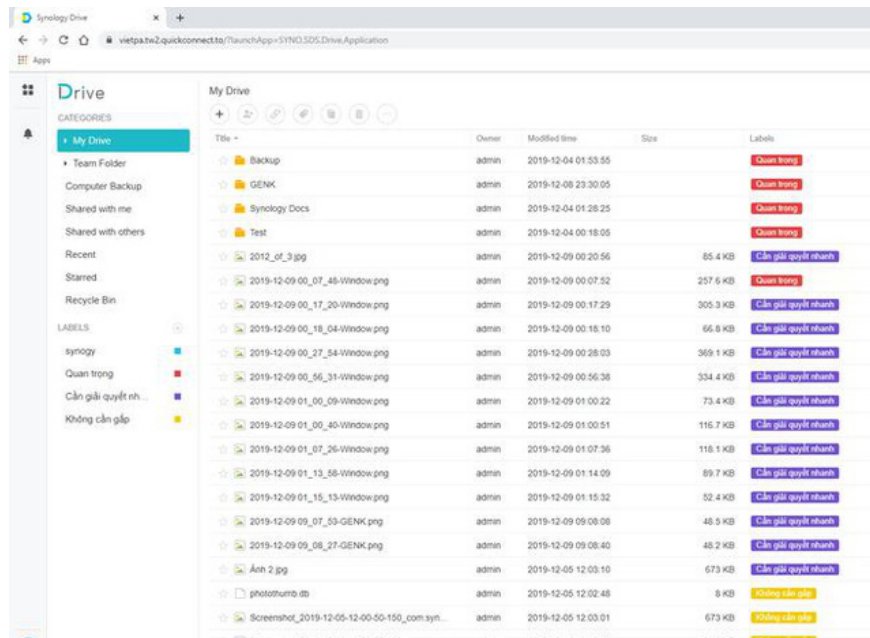
The table compares the cost of deploying Synology NAS with Windows Server (Cost may vary by device distributor)

| Dịch vụ/ứng dụng | Synology Drive | Google Drive | Microsoft OneDrive | Dropbox Business | |
|----------------------------------|-----------------------------|-------------------------------------|--------------------------------|-------------------|--------------------|
| Hạ tầng | On-Premise (lưu trữ cục bộ) | Public Cloud | Public Cloud | Public Cloud | |
| Phiên bản | | G-Suite Basic | Office 365 Business Essentials | Standard | |
| Mô hình thu phí | Một lần duy nhất | Thu phí hàng năm | Thu phí hàng năm | Thu phí hàng năm | |
| DN quy mô 50 người trong 3 năm | Chi phí | 1192 USD (DS918+ 4TB HDD*4) | 10800 USD / 3 năm | 9000 USD / 3 năm | 22500 USD / 3 năm |
| | Hạn mức lưu trữ | 240GB / người | 30GB / người | 1 TB / người | 3 TB / người |
| DN quy mô 100 người trong 3 năm | Chi phí | 1192 USD (DS918+ 4TB HDD*4) | 21600 USD / 3 năm | 18000 USD / 3 năm | 43000 USD / 3 năm |
| | Hạn mức lưu trữ | 120 GB / người | 30GB / người | 1TB / người | 3 TB / người |
| DN quy mô 500 người trong 3 năm | Chi phí | 7800 USD (RS3618xs + 14TB HDD*12) | 108000 USD / 3 năm | 90000 USD / 3 năm | 225000 USD / 3 năm |
| | Hạn mức lưu trữ | 252 GB / người | 30GB / người | 1TB / người | 3 TB / người |
| DN quy mô 1000 người trong 3 năm | Chi phí | 12400 USD (RS4017xs+ & 16TB HDD*12) | 216000 USD / 3 năm | 18000 USD / 3 năm | 430000 USD / 3 năm |
| | Hạn mức lưu trữ | 176 GB/người | 30GB / người | 1TB / người | 3 TB / người |

Table comparing Synology Drive costs with other cloud storage services

Based on the comparison, we see an enterprise with 50 employees, the cost to invest in DS918 + NAS devices and 4 4TB HDDs, each user gets 240GB of storage is \$ 980 . Meanwhile, to use the G-Suite Basic package of Google Drive, you have to pay \$ 10,800, each user can only store 30GB.

Synology Drive also supports users to access data through popular protocols such as SMB / CIFS, AFP, NFS, FTP, WebDAV, etc.



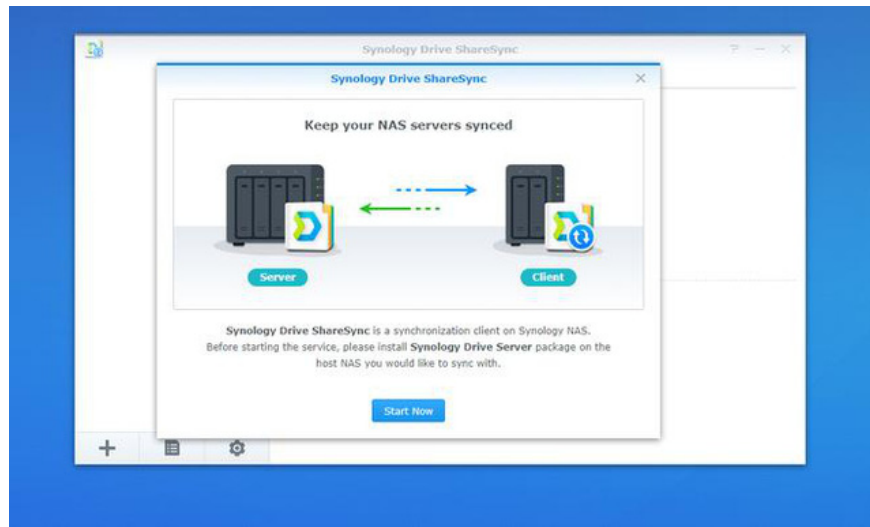
Synology Drive helps backup, synchronize and manage files using Web Portal.

Free applications like DS cloud, DS file, Drive will help you access data with your smartphone with the same features as on your computer. In the absence of internet, you can work offline, changes will be saved and synchronized automatically as soon as a network connection.

On-Demand Sync synchronizes data continuously between clients computers and Synology Drive Server.

File sharing between branch offices

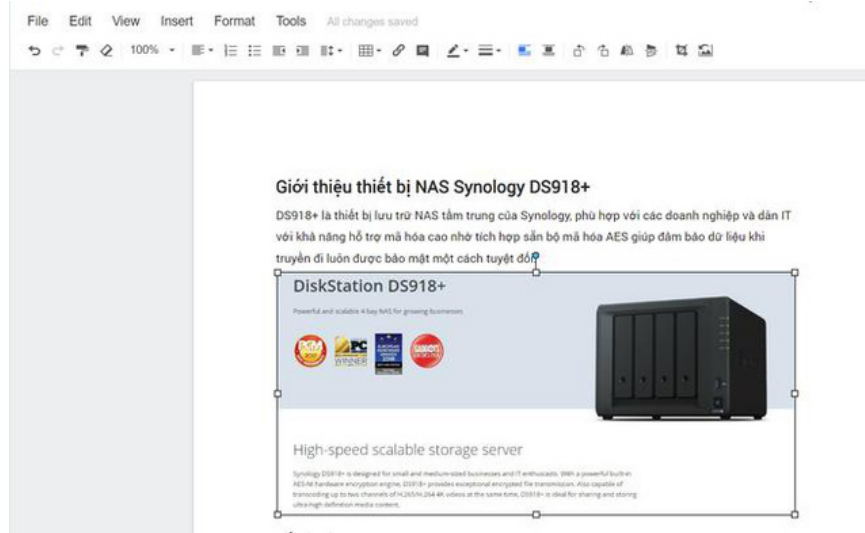
For businesses with many different branches, just deploy a NAS device at that branch. Synology Drive ShareSync feature will automate the process of sharing / syncing data from the branch to the NAS in the corporation, users just need to select the folder to sync between NAS and computer, the files will automatically scheduled synchronization, which helps resolve inconsistent document sharing and more effective data management.



Synology Drive ShareSync syncs files between Synology's NAS devices in the same enterprise system

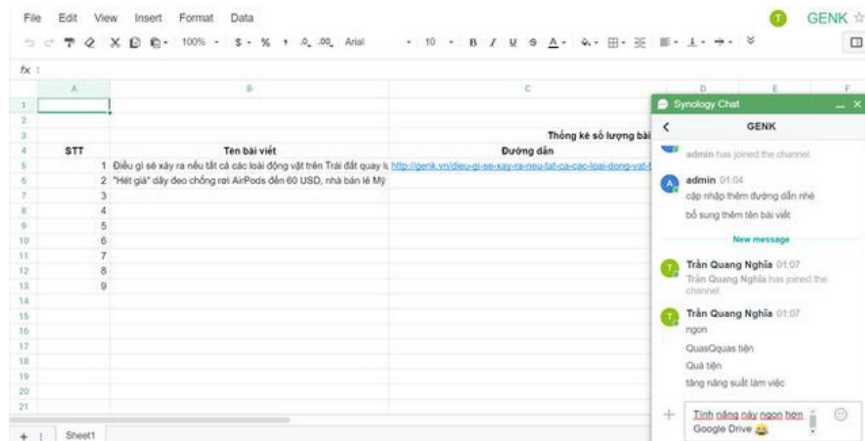
Bring office work to the cloud

Synology Office is a tool that helps users create documents easily and effectively with many of the same features as Google Office or Office 365. Synology Office also supports converting document files into Microsoft Word, PowerPoint and Excel formats. . Due to the built-in Synology Drive, users can access, manage and manipulate documents directly from anywhere.



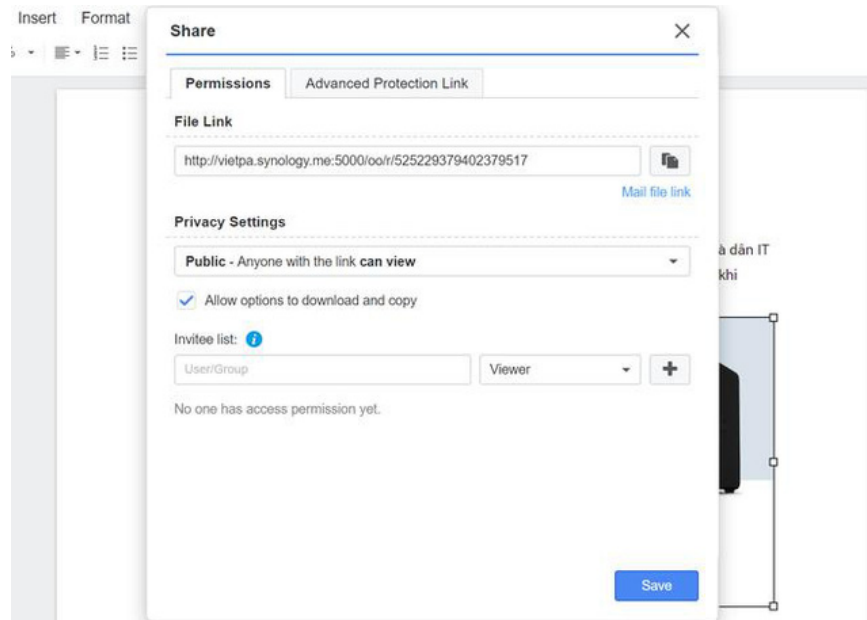
Interface of text editor tool of Synology Office with many features like Google Docs

In line with the "bring the office to the cloud" criterion, all employees can edit data files online thanks to Synology Drive to get things done faster. Each employee can leave comments, notes for each edit or discussion and chat together in the interface.



Integrated Synology Chat allows users to exchange directly with each other, helping to increase interoperability.

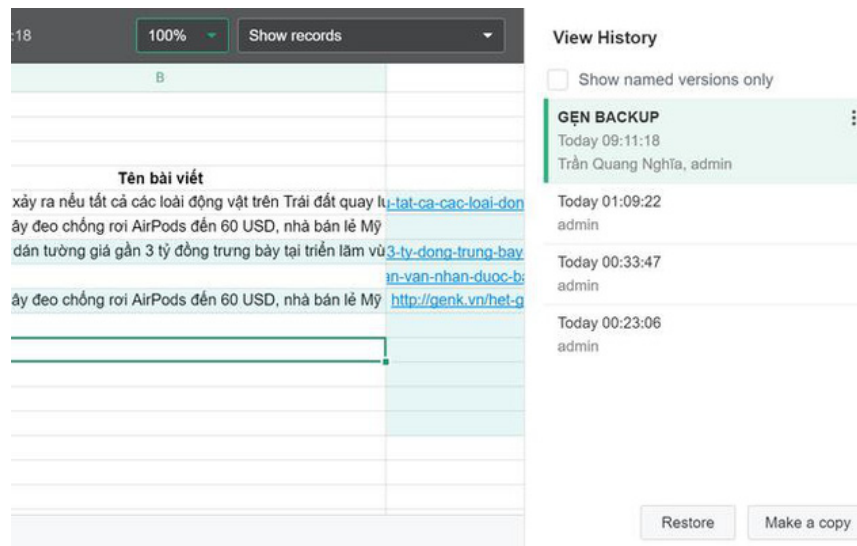
On Windows Server, file sharing is inconvenient, you can only share via email, FTP or public cloud of individuals. For Synology Drive, sharing the link is very simple, users just need to right-click and select the "Share" feature so that the opponent can download the file via the shared link. Synology Drive also allows you to set a password to protect the file, access time and file editing rights.



Users can share files after granting permission to view and edit files.

Backing up multiple versions against ransomware

Synology Drive possesses a rather valuable feature that automatically creates multiple backup versions, allowing you to review the file editing history, who has edited it. In case you accidentally overwrite new data on previously modified files or files encrypted by Ransomware, you can choose the appropriate version to restore.



The restore feature helps users recover data in case of being encrypted by Ransomware

Conclude

If you are a business looking for low-cost data management, sharing, and backup solutions, investing in NAS and Synology Drive devices will be a suitable solution for your investment costs. reasonable. Products support

multiple hard drives, powerful performance, can meet many needs, from individual users to businesses.

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