



Synology Network Storage Installation And User Instructions

Introduction of Using NAS with vCloudPoint's Shared Computing Solution:

NAS : Network-Attached Storage is a file-level computer data storage server connected to a computer Network providing data access to a heterogeneous group of client.

NAS(Network-Attached Storage) can be integrated into vCloudPoint's shared computing solution to allocate private storage for each assigned zero client User.

Installation steps:

- This installation guide only applies to NAS model DS216j used as users' private disk. Please choose the appropriate network storage plan according to your actual needs.
- Please use Gigabit or above LAN to ensure NAS Network bandwidth.
- Please use LAN with DHCP that can automatically assign IP.
- To use the other functions of Synology NAS, please refer to Synology's official website :<https://www.synology.com>

Hardware Models:

NAS Server: [Synology DiskStation DS216j](#)

Hard Disk: Western Digital NAS Red Disk 4TB * 2

■ **Hardware setup:**

- 1) Install the hard drive into the NAS, and secure it with screws.
- 2) Connect the NAS to the switch using Ethernet cable.
- 3) Connect the NAS to the power and finish the setup.

■ **First Time Installation:**

- 4) Power the NAS device on, and wait for 1 to 2 minutes.
- 5) Open the browser with any computer in the same LAN, view <http://find.synology.com> or the IP address of the NAS device to enter the Web Assistant page.
- 6) After entering the Web Assistant page, click **Install Now** and confirm the hard disk mode (select the default system) to download the Synology DSM system from internet, follow the prompts to complete the installation.
- 7) After installing the system, create the administrator account and customize DSM update and maintenance; leave QuickConnect settings as default.
- 8) After initial installation is complete, enter the system; this storage solution is used only as a private disk for vCloudPoint users, other plug-ins is not required for installation.

■ **NAS System Quick Setup:**

- 9) Open the **control panel** → **file sharing** → **shared folders** and edit **homes** folder.
- 10) Select: (**Hide this shared folder in “My Network Places”; Hide subfolders and files from users without permission; Enable recycle bin**)
Cancel: (**Restrict access to administrator only**)
- 11) **Confirm** the settings of the **homes** folder.
- 12) Apply the same steps to rest of the **Shared Folders**.
- 13) Open **Connectivity** → **Network** → **Network Interface**, select **LAN** and **Edit**:
- 14) **IPv4** → **Use manual configuration**, set static IP address for the NAS device;
- 15) **IPv6** → Select **Off** to turn off the **IPv6**, then **confirm** the settings.
- 16) Open **Connectivity** → **network** → **traffic control**, select the top right corner of the **LAN** → Click **Edit** → select **All ports**, Set the **bandwidth settings**. The default NAS LAN transmission bandwidth is 1Gbps. But we recommend to set to 20000KB/s, the largest 40000KB/s. If bandwidth limitation is not set, users will use up all the bandwidth while transferring files.

- 17) Open **System** → **theme style**, set page landing page title and theme as needed.
 - 18) Open **System** → **Hardware & Power** ...you can customize **Power Recovery, Beep Control, Fan Speed mode, Led Brightness Control**.
 - 19) Open **File sharing** → **User** → **Advanced** :
Password Settings → apply password strength rule,
scroll down to **User home** → Enable **User home services** and **Recycle bin**.
 - 20) Open **File Sharing** → **User accounts, create** Users.
 - (1) Enter the user name and password (we recommend that NAS password should be different from vCloudPoint User password),
Next step.
 - (2) **System default group**: leave as default, **Next step**.
 - (3) **Assign shared folder permissions**: leave as default, **Next step**.
 - (4) **User quotas setting**: set it according to the actual use of each user and can set to limit or unlimited, **Next step**.
 - (5) **Assign application permission**: leave as default, **Next step**.
 - (6) **User speed limit**: leave as default **Next step**.
 - (7) Check the new user settings, confirm then **Apply**.
 - 21) Select the user just created, select user→Create ▼ →Copy User, simply enter the user name and password, and copy all the user configuration.
 - 22) NAS installation completed.
- **Connect to the NAS device on a zero client:**
- 23) Open the File Explorer, enter the NAS device's IP address : [\\XXX.XXX.XXX.XXX](#) .
 - 24) Enter the assigned NAS user name and password, press OK.
 - 25) Right-click the **home** folder, select **Map Network Drive**, click **Finish**.