Backup and Share Your Digital Photos on Cisco Smart Storage

Showcasing Your Photo Albums on Smart Storage

Digital media is widely used in daily life. Most people have a large amount of digital photos saved on their PC or notebook for easy access. However, if the computer is lost or the hard disk crashes, all of their precious memories can be lost. Some people may back up their digital photos by creating CD backups. Nevertheless, creating CD backups is time-consuming. It is also inconvenient to view the pictures and preserve the files. The discs can be easily lost or damaged and all the data will be lost.

Smart Storage provides a new choice for digital photo backup. Smart Storage is a Network Attached Storage device with multiple applications built-in. Copy the photo files to the folder Multimedia on Smart Storage. You can create a photo album which can be viewed by any web browser. Smart Storage also supports photo backup and network sharing functions.

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Configuring Smart Storage

1. Assign the Smart Storage a fixed IP address and setup the DNS.
   - It is recommended to assign a fixed IP to Smart Storage. Since you may need to open router ports and forward those to the IP address of the Smart Storage.
   - Choose Administration > Network > TCP/IP.
   - Click to bring up the TCP/IP property window.
   - Assign a static IP address for your Smart Storage. Click Apply.
   - Set the DNS server address. This can be a DNS server address provided by your Internet Service Provider or by a free public DNS server.
     - Googles Public DNS servers are 8.8.8.8 and 8.8.4.4

Static IP Address

2. Configure DDNS
   - Most ISPs will provide a dynamic public IP for Internet connection. (This applies to the situation when the router acquires WAN IP from ISP using a PPPoE or DHCP connection.) To set up a server, a fixed IP address or URL is necessary so that users can easily recall the server address to connect to. When a dynamic IP address is used, you can use a router that supports DDNS or simply use the built-in DDNS function on Smart Storage, and by registering an easy-to-remember domain name from any DDNS provider to easily identify your Smart Storage on the Internet, e.g. mySmartStorage.dyndns.com.
3. Set Up Port Forwarding on the Router

- If your Smart Storage is located behind a NAT router, you need to open the ports of the services on the router and forward these ports to the fixed LAN IP address of the Smart Storage.

- You have to forward port 8080 to the LAN IP address of the Smart Storage. Example: Forward TCP port 8080 to 192.168.1.34.

- When the router receives packets from the WAN side to the external port 8080, the router will forward these packets to the LAN IP of the Smart Storage.

- See below for an example using a Cisco Small Business Router.

- Some routers provide DMZ settings. You can forward a LAN IP address specified by DMZ to Smart Storage. When this setting is used, all ports from WAN to LAN will be forwarded to Smart Storage.
Router Port Forward Example

4. Setup Multimedia Station on Smart Storage to share your album via the Internet.
   - Enable Multimedia Station. Choose Applications >> Multimedia Station
   - Check both Enable Multimedia Station and Show service link on the login page.
5. Upload photos using one of the methods below:
   - By FTP: This is the fastest way to upload photos to the Multimedia share. Make sure FTP is enabled. You can check this from Network Services > FTP Service.
   - By My Network Places in Windows: Drag and drop photos to the Multimedia folder.
   - By the Upload option from the Multimedia Station: Login to Multimedia Station and upload photos.

6. Define Guest Access Authority
   - When you access Multimedia Station, you are treated as a Guest before logging in with an administrative account. After you login as admin, click the icon Configure album authority.

Album Access Configuration

- You can define which photo albums are to be shared in the Multimedia Folder.
- Before you create new user accounts, there is only one system default account, Guest. All the web access to Multimedia Station before login is treated as
Guest. Please move the folders for guest access from inaccessible albums to the accessible album list by selecting the album and clicking Add. Once done, click Submit to apply.

In the above example, the folder Stock_photos is not in the list of Accessible albums. If you connect to Multimedia Station by Guest (no login), all the folders will be shared except the Stock_photos.
7. Create a new user.
   - Click Create user to add a new user and define a password. Select the album the user has access to.

Create new user
8. Select the Album Cover.
   - You can select any picture within an album to be the cover. Simply click the icon Set as Album Cover.

9. Cooliris Support
   - Multimedia Station supports photo browsing with Cooliris.
   - When the mouse cursor stays on a photo you will notice an arrow icon in the lower left corner. Simply click on it. This will take you to Cooliris 3D photo browsing.
   - Cooliris browser plug-in must be installed for this to function
   - Cisco does not provide support for Cooliris. For support, contact www.cooliris.com.
Cooliris 3D Viewing

Smart Storage not only provides a safe place to store your digital photos, but also an easy way to share and browse your photo collection.

For More Information
For more information about Cisco Smart Storage Applications, visit the Cisco Small Business Community forum [https://www.myciscocommunity.com/community/smallbizsupport/networkstorage](https://www.myciscocommunity.com/community/smallbizsupport/networkstorage)