D-Link®

Version 1.2 | 07/04/2012

User Manual

ShareCenter® 2-Bay Network Storage

DNS-325

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Product Overview

Introduction

The D-Link ShareCenter™ DNS-325 2-Bay Network Storage, when used with internal SATA drives[1], enables you to share documents, files, and digital media such as music, photos, and video with everyone on the home or office network. Remotely accessing files through the Internet is also possible with the built-in FTP server, Web File server and WebDAV protocol. Whether you are allowing access locally or over the Internet, keep data safe by only giving rights to specific users or groups. When configuring the ShareCenter™, you can create users and groups and assign them to folders with either read or read/write permissions. This is ideal for an office environment with employee-specific sensitive data or for the home where you can ensure your children will only have access to age appropriate material. The ShareCenter™ will be available to any computer (PC, MAC, or Linux-based) on your network, without the need to install any software on the computer.

Back up your music, photo, and video collections to the ShareCenter™ for safekeeping. Then, enjoy the benefits of the built-in DLNA Certified™ media server as you stream digital content to compatible media players[2] (such as the D-Link's Boxee Box). This feature is highly convenient as it allows you to turn off a computer that would normally be needed for the same function.

The availability of four different hard drive modes (Standard, JBOD, RAID 0, RAID 1) allows you to choose the configuration best suited to your needs. Standard mode creates two separately accessible hard drives. JBOD combines both drives in linear fashion for maximum space efficiency. RAID 0 combines both drives in a 'striped' configuration, which provides the highest performance when using a Gigabit Ethernet connection. RAID 1 causes the drives to mirror each other, providing maximum protection. If one drive fails while configured as RAID 1, the unaffected drive continues to function as a single drive until the failed drive is replaced. The new drive will then be re-mirrored, allowing the ShareCenter™ to return to its full protection.

To further enhance your ShareCenter's™ capabilities you can expand the applications available with the ShareCenter™ by using the Add-On feature which allows you to add supported software applications. These applications can add over the web audio streaming, file and media sharing and even blogging capability to your ShareCenter™.

1. Hard Drive(s) not included[1]

2. D-Link cannot guarantee full compatibility or proper playback with all codecs. Playback capability depends on the codec support of the UPnP AV™ media player[2]

To further enhance your ShareCenter's™ capabilities you can expand the applications available with the ShareCenter™ by using the Add-On feature which allows you to add supported software applications. These applications can add over the web audio streaming, file and media sharing, and even blogging capability to your ShareCenter™.

The DNS-325 supports a proprietary mydlink cloud service, provided to D-Link customers only. It serves as a personal cloud to those users who wish to access their data from any location. The mydlink cloud service supports file accessing, music library, and Photo Gallery browsing from any location via web browser.

Before you Begin

- Check box contents
- Check system requirements
- Ensure that you have the hardware you need for your ShareCenter™ device

Note: Using a power supply with a different voltage than the one included with the ShareCenter™ will cause damage and void the warranty for this product.

If any of the above items are missing, please contact your reseller.

System Requirements

For best results, the following minimum requirements are recommended on any system used to configure and use the ShareCenter™:

- Computer with: 1GHz processor / 512 MB RAM / 200 MB available space / CD-ROM drive
- Internet Explorer version 7, Mozilla Firefox 3 or Apple Safari 4 and above
- Windows® XP (with Service Pack 2 or higher), Vista® or Windows® 7
- 3.5" SATA Hard Drive(s)

Package Contents

- D-Link ShareCenter™ DNS-325
- CD-ROM with Manual and Software
- Quick Installation Guide
- Power Adapter
- Power Cord
- CAT5 Ethernet Cable

Features

The DNS-325 is an easy to install data storage platform used for remote access through a local network or from the Internet. This ShareCenter™ supports up to 2 SATA hard drives and includes the product features listed below:

- Two Hard Drive Bays for 3.5" SATA Hard Drives, up to 3TB HDD (or higher)
- High Performance Gigabit Ethernet Connectivity
- Supports Remote File Access via built-in Web File Server, FTP, WebDAV or AjaXplorer add-ons
- Simplified Hard Drive Installation Process
- USB port support External Storage Device, Printer Server, UPS Monitoring
- Network Protocols
  - Supports DDNS
  - Supports UPnP, Bonjour
  - Supports PnP-X / LLTD
- Network File Services
  - Supports NFS/AFP Server
  - Supports uni-code for both Samba and FTP Server
- Disk Management
  - Four Hard Drive Configurations: Standard, JBOD (Linear), RAID 0, and RAID 1
  - Support RAID Migration: Standard to RAID1
  - Supports Advanced Format HDD
  - HDD S.M.A.R.T test
- Account Management
  - Users and Groups can be assigned to Folders with Read or Read/Write Permissions
  - Quotes for Users and Groups
  - Support ISO mount Shares
  - Built-in FTP Server for File Access Over the Internet
  - Supports FTP over SSL/TLS and FXP
- Download Management
  - Scheduled Downloads from Web or FTP sites
  - Support P2P and aMule downloads
- Backup Management
  - Supports Local Backup
  - Full or Incremental Backups
  - Real-time Backups with the included Backup Software
  - Supports Apple's Time Machine (Mac OS Lion
  - Supports USB Backups
  - Supports Remote Network Backup
  - Supports Cloud Storage Backup (Amazon S3)
- Power Management for Conserving Energy and Extending Hard Drive life
  - Supports Auto Power Recovery
  - Supports Schedule Power OFF
  - Auto shutdown on UPS low battery
- Media Streaming
  - UPnP AV Server for streaming music, Photos, and videos to compatible media
  - iTunes software will be able to automatically find and play music directly from the ShareCenter™
- Supports Add-on software and Multi-language Packages
  - Photo Center
  - Blog
  - Audio Streamer
  - SqueezeCenter

- AjaXplorer
- aMule
- Surveillance Center

- System Management
  - Web Browser configuration
  - Supports HTTPs Management
  - Network Recycle Bin
  - Supports Yahoo Widgets
  - Supports System Logging/FTP logging
  - Automatic email and SMS notifications
  - Windows and Mac version D-Link Storage utility
- My Folder
  - My Files - Allows user(s) to access files on the NAS using a web browser.
- mydlink Cloud
  - Access files
  - Store Music
  - Browse your Photo Gallery
  - Sync your files from any location

Checking the Hardware Requirements

To use your ShareCenter™, you will need at least one hard drive. If you plan to use RAID, which protects your data against one hard drive failure, you will need at least two hard drives.

Note: For the ShareCenter™, we recommend that you use at least four 1TB high performance drives. This provides more data drives, better striping performance, and helps distribute loads more effectively.

This section will help you:

- Select the hard drives you will use
- Choose the amount of space to have available on those drives
- Ensure your data is protected
- Understand the basic requirements for a router or switch

Selecting Hard Drives:

You can use hard drives from any manufacturer and with any capacity with your ShareCenter™. All D-Link devices support standard 3.5" internal SATA drives. If you are unsure, ask your administrator or hard drive retailer/manufacturer to verify that your hard drives meet this standard

Warning - Any pre-existing data on the drives will be erased during installation.

Determining How Much Hard Drive Space you Need:

In order to protect your data from hard drive failure, your ShareCenter™ requires more space than what you will use for your data, sometimes as much as double or more the amount of space required.

For the best results in calculating how much space is available for your data, always make sure you have more disk space than what is necessary.

The DNS-325 makes it easy to increase storage capacity in the future by simply inserting additional drives or replacing smaller drives with larger ones. This means you can buy the hard drives one day and then easily expand another day. The DNS-325 accepts standard 3.5-inch internal SATA hard drives, regardless of manufacturer, capacity, or speed.

For dual disk redundancy, it is recommended that you using two drives for storing data and two for redundancy. The drives used for redundancy must have a total capacity of at least the sum of the two drives used for storing data.

Using a Router or Switch:

If you are connecting your ShareCenter™ to a router or switch, your router or switch needs to support Gigabit Ethernet (1000Mbit/s) for peek performance. The ShareCenter™ will auto-negotiate the highest connection speed available to your router or switch. If you are using Port Bonding, use a managed switch.

Using an Uninterrupted Power Supply (UPS):

We highly recommend that you use your ShareCenter™ in conjunction with an uninterrupted power supply (UPS), which will protect against sudden loss in power and power surges.

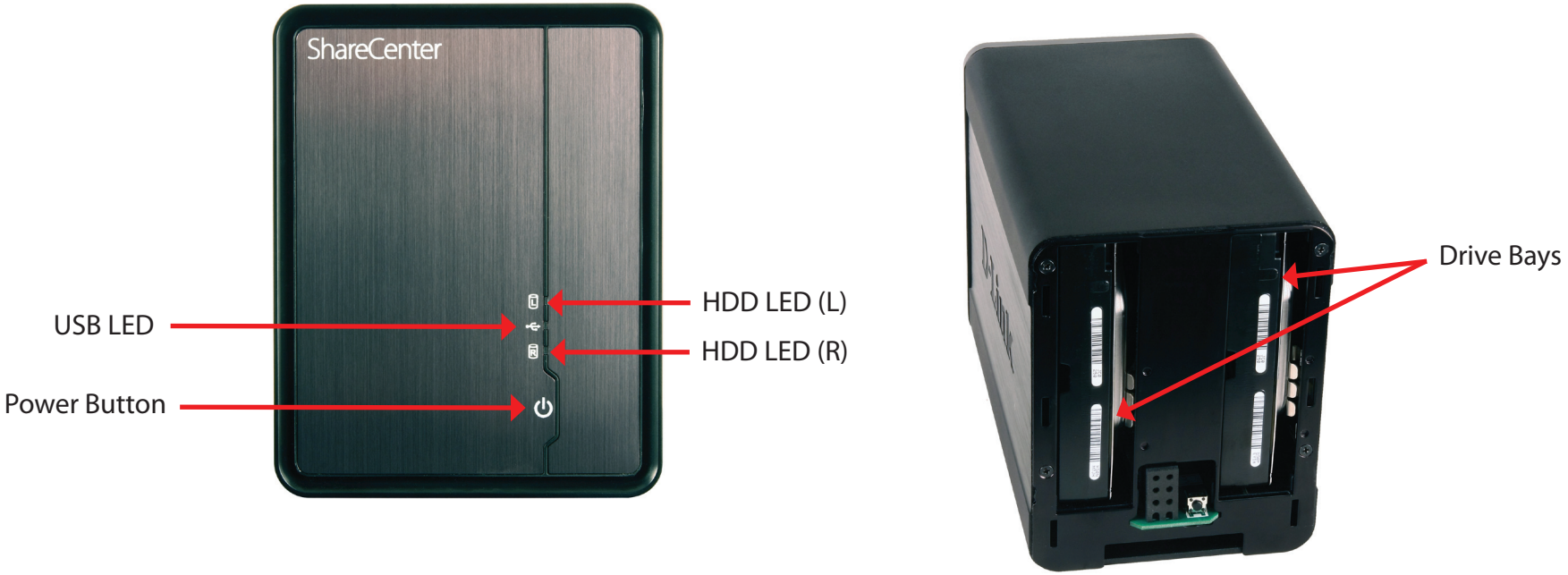
Setting Up in Just a Few Easy Steps

Once you have unpacked your ShareCenter™ from its box and ensured you meet all system and hardware requirements, it is now time to set up your DNS-325 for use. This can be done in just a few easy steps:

1. Insert the hard drives.
2. Connect the power and LAN cables to your ShareCenter™.
3. Power on the device.
4. Run the D-Link ShareCenter™ Setup Wizard to configure the DNS-325.
5. Configure the hard drives.

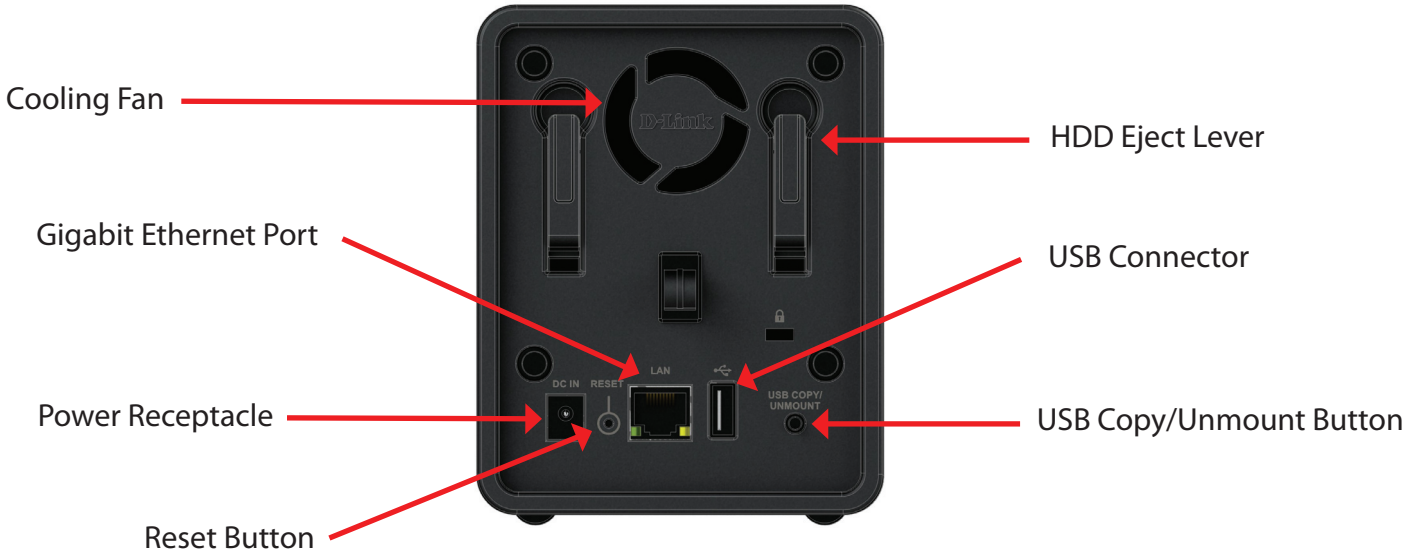
Hardware Overview

Front Panel



COMPONENT	DESCRIPTION
USB LED	This light will illuminate when a USB device is inserted into the USB Port. When there's traffic this light will blink.
HDD LEDs	These lights will be solid when the drives are connected but inactive. The lights will blink when the drives are being accessed, formatted or synchronized. They will illuminate AMBER if a drive has failed.
Power Button	Press once to power on the device. To power down, press and hold the button until it begins to blink.
Drive Bays	With the front cover off, SATA hard drives can be slid in and out of the of device. Use the tabs on the rear of the device to initially push a hard drive out.

Rear Panel (Connections)



COMPONENT	DESCRIPTION
Cooling Fan	The cooling fan is used to cool the hard drives and features speed control. When the unit is first powered on the fans rotate at a low speed and rotates at a high speed when the temperature rises above 49 °C.
Gigabit Ethernet Port	Use the Gigabit Ethernet Port to connect the device to the local network. The port is equipped with both a LAN LINK (L) and Traffic LED (R) to indicate connectivity and traffic respectively to the local LAN
Power Receptacle	Connect the supplied power cord to the receptacle.
USB Connector	A single USB 2.0 (Type A) connector. The USB Host port is for Print Servers, USB memory disks or USB UPS monitoring.
Reset Button	Press and hold this button for more than 5 seconds to reset the unit to factory defaults.
HDD Eject Lever	With the power removed and the front cover off use each slot's lever to eject the HDD drive .
USB Copy / Unmount Button	Press 1~3 seconds to copy data from a USB drive to your DNS-325. Press and hold 5 seconds to unmount a USB drive.

D-Link Storage Utility

When first powered on, during the initial boot sequence, the ShareCenter™ will wait to be assigned an IP address via DHCP. If it does not receive a DHCP assigned IP address, the ShareCenter will be automatically assigned a 169.254.xxx.xxx. address. It is recommended that you use the included D-Link Storage Utility software when accessing and configuring the ShareCenter for the first time. If you want to change the IP address before logging in or you have trouble connecting to the ShareCenter IP address, you can then use the Storage Utility software included on the product CD to locate the device on your network and make any necessary changes.

Network Storage Device: The **D-Link Storage Utility** displays any ShareCenter devices it detects on the network.

Refresh: Click **Refresh** to refresh the device list.

Configuration: Click **Configuration** to access the web-based configuration of the ShareCenter.

LAN: Configure the **LAN Settings** for the ShareCenter here.

Apply: Click **Apply** to save changes to the LAN Settings.

Connect: Click **Connect** to connect to the iSCSI target.

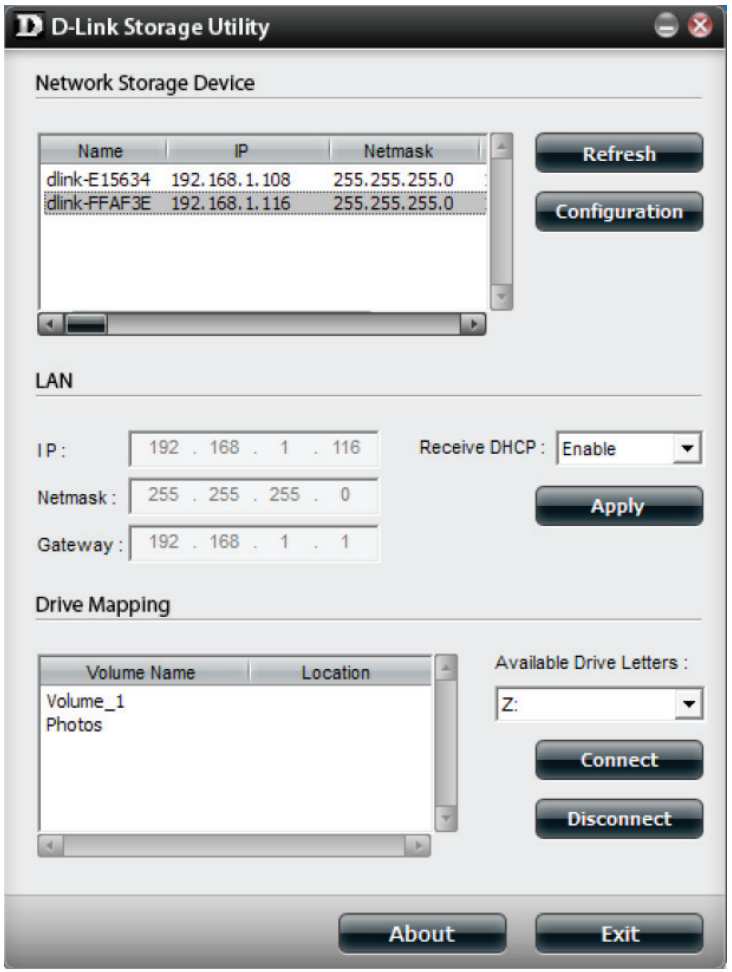
Management: Click **Management** to edit the information.

Drive Mapping: **Volumes** available for mapping are displayed here.

Available Drive Letters: Choose an available drive letter. Click **Connect** to map the selected volume. Click **Disconnect** to disconnect the selected mapped volume.

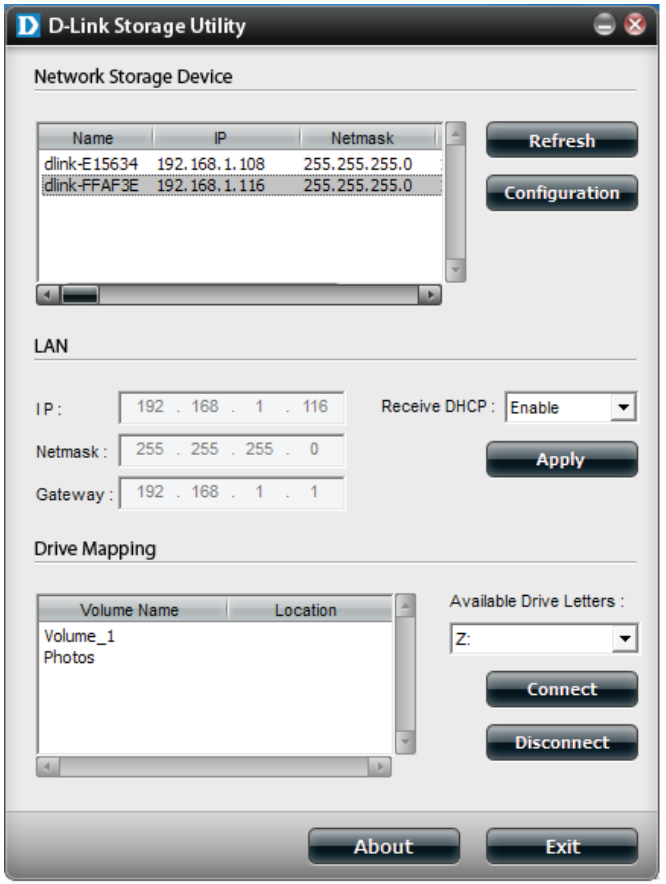
About: Click **About** to view the software version of the **Easy Search Utility**.

Exit: Click **Exit** to close the utility.



Select the ShareCenter™ from the list and click the Configuration button. This will launch the computer's default web browser and direct it to the IP address listed for the device. Make sure the browser is not configured to use a proxy server.

Note: The computer used to access the ShareCenter™ web-based configuration manager must be on the same subnet as the ShareCenter™. If your network is using a DHCP server and the computer receives IP settings from DHCP server, the ShareCenter™ will automatically be in the same subnet.



Getting Started
ShareCenter™ Software CD

To get started with the ShareCenter™ Setup Wizard, insert the supplied CD into your CD-ROM drive:

Click the **Install** button to start the ShareCenter™ Setup Wizard.

Installation
Setup Wizard

To run the Setup Wizard, insert the ShareCenter™ CD into your CD-ROM drive:

Step 1 - Click Setup Wizard Utility

Note: *Windows Firewall presents you with a warning message to unblock the device. Click Unblock to give your computer access to the NAS.*

Step 2 - The Setup Wizard will walk you through the configuration of getting your ShareCenter™ ready for immediate use. Select the Language of your choice and click the **Start** button.

Remove the Front Cover and install the Hard Drives

Step 3 - Follow the instructions to remove the front cover of your ShareCenter™.

Click **Next** to continue.

Step 4 - Follow the instructions to slide either one or two hard drive(s) into an available hard drive bay of your ShareCenter™.

Click **Next** to continue.

Replace the Front Cover and Connect to the Local LAN

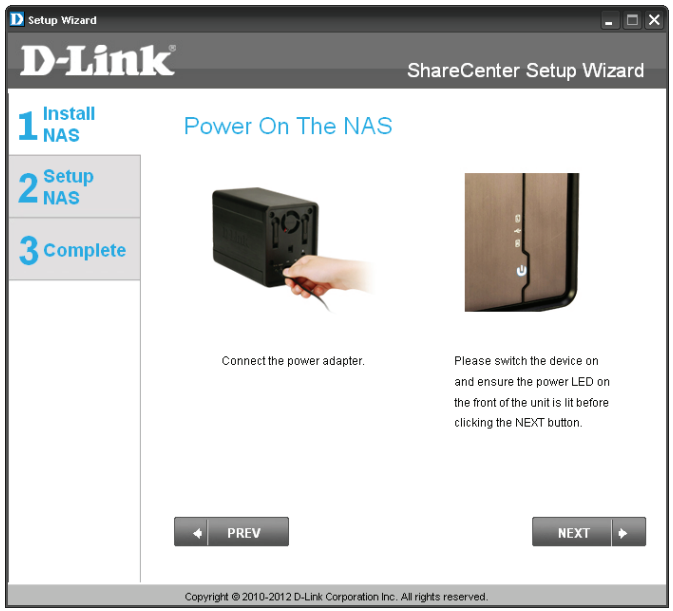
Step 5 - With the hard drives installed properly into each bay, close the chassis by sliding the panel down into place.

Click **Next** to continue.

Step 6 - Connect a CAT5 Ethernet cable with RJ-45 connectors to your ShareCenter™ and connect the other end to a switch or router (Local LAN).

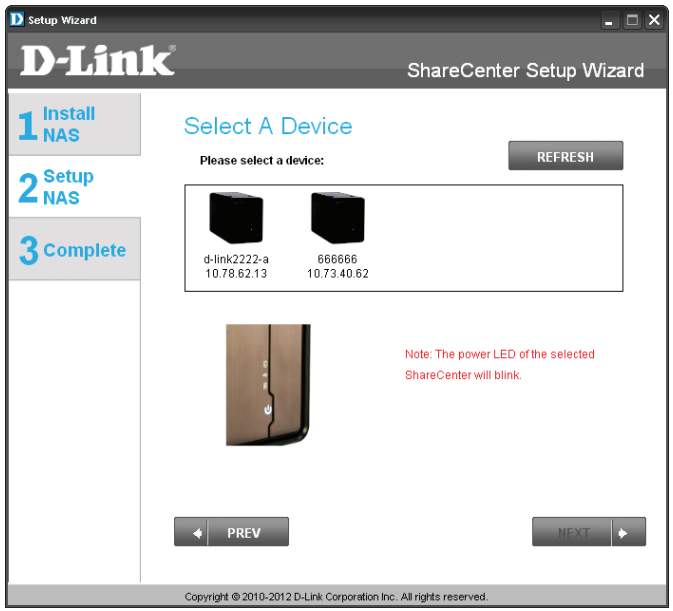
Click **Next** to continue.

Power and Device Selection



Step 7 - Connect the power adapter connector to the power receptacle at the back of the ShareCenter™. Then power on the ShareCenter™ by pressing the power button located under the OLED screen.

Click **Next** to continue.



Step 8 - With the power on, press the **Next** button on the device and check and make sure the IP address of your ShareCenter™ matches what you see on the screen.

Click **Next** to continue.

Admin password

Step 9 - Enter the administrator password. If this is the first time you are doing the installation on this NAS, leave the password blank.

Click **Next** to continue.

Step 10 - In this step you can create a new password for the 'Admin" username. It is recommended you set a password, however you may also leave the fields blank.

Click **Next** to continue.

Network Setup

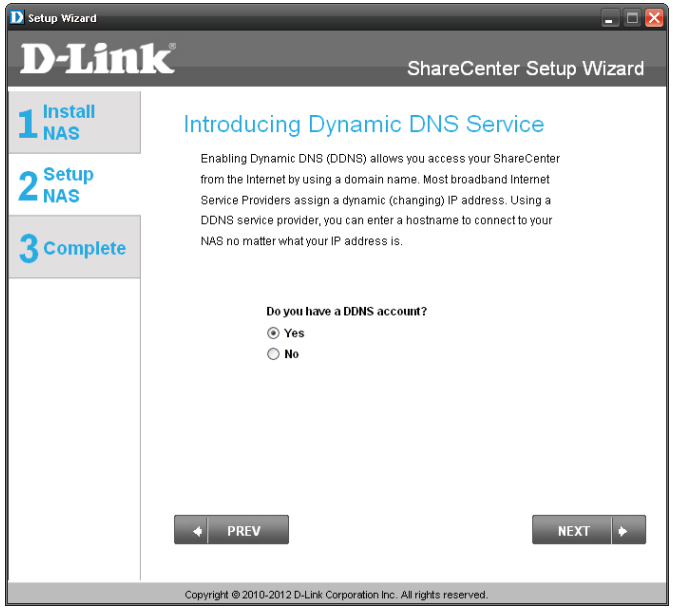
Step 11 - You may either use Static IP or DHCP to configure the first IP network settings of the ShareCenter™. If you select Static IP then enter the IP parameters as listed.

Click **Next** to continue.

Step 12 - You may either use Static IP or DHCP to configure the second IP network settings of the ShareCenter™. If you select Static IP then enter the IP parameters as listed.

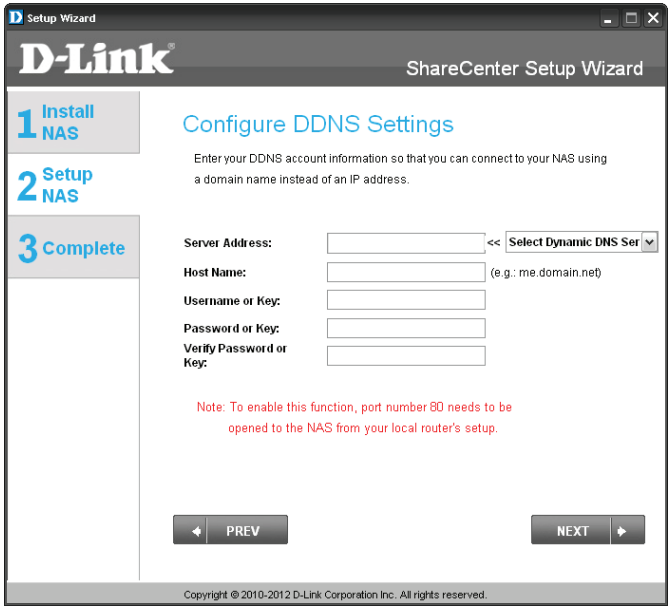
Click **Next** to continue.

Dynamic DNS



Step 13 - Click on the **Yes** radio button if you already have a DDNS account to use for the ShareCenter™ DDNS settings. If you do not have a DDNS account or do not want to use one, click on the **No** Radio button. Click **Next** to continue.

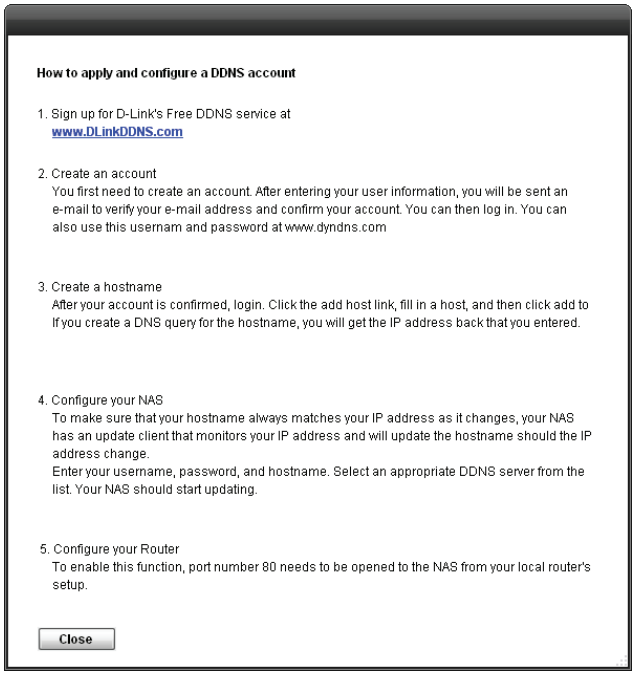
Click **Next** to continue.



Step 14 - If you clicked **Yes**, enter the DDNS parameters requested in this window so that your ShareCenter™ can be accessed by a URL over the Internet.

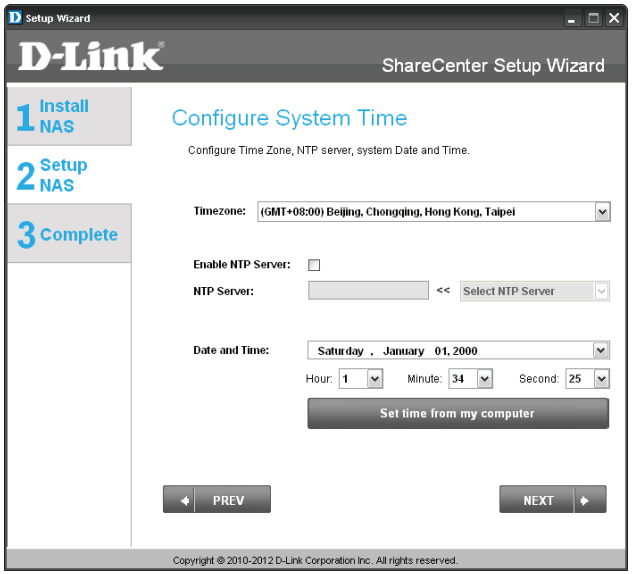
Click **Next** to continue.

DDNS Account and System Time



Step 15 - Follow the steps listed here in order to create a DDNS account and configure your LAN equipment and ShareCenter™ to work with the new settings.

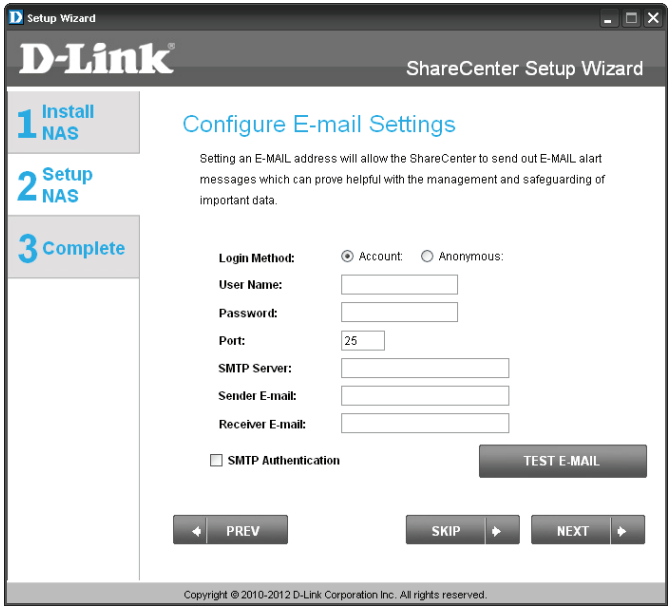
Click **Close** to continue.



Step 16 - Select the ShareCenter™ system time date and time zone settings using this step. You can set the time and date manually, from an NTP server, or from the computers settings. The time zone is set manually.

Click **Next** to continue.

E-mail Settings and Volume Information



Step 17 - Configure an e-mail service with the ShareCenter™ to receive e-mail events to alert users of any changes to the system.

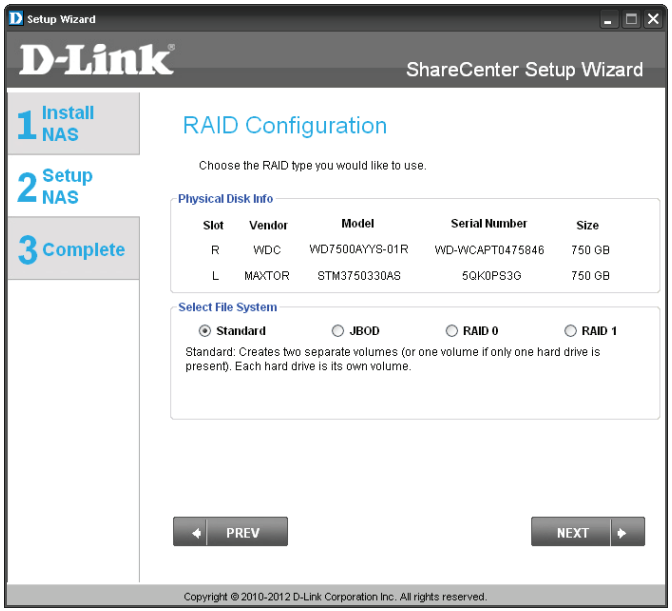
You must have all mail server information nearby or contact your systems administrator for assistance.

Click **Next** to continue.

Step 18 - This step shows the configured Volumes set up on the ShareCenter™.

Click **Next** to continue.

RAID Configuration and Drive Mapping



Step 19 - Select one of the 4 Volume File Systems desired. Clicking on each file system type radio button will give a description if needed.

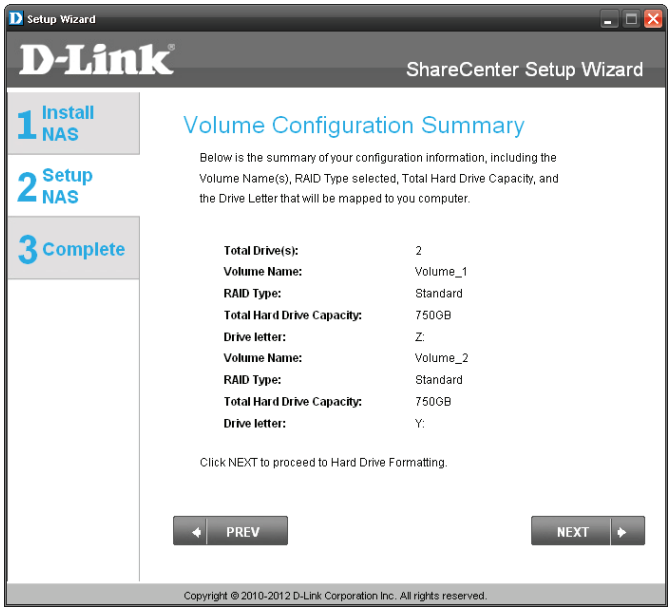
For more information concerning the different RAID Disk Formats please refer to the user manual.

Click **Next** to continue.

Step 20 - This step allows you to map the volume(s) created as network drive(s) on your computer.

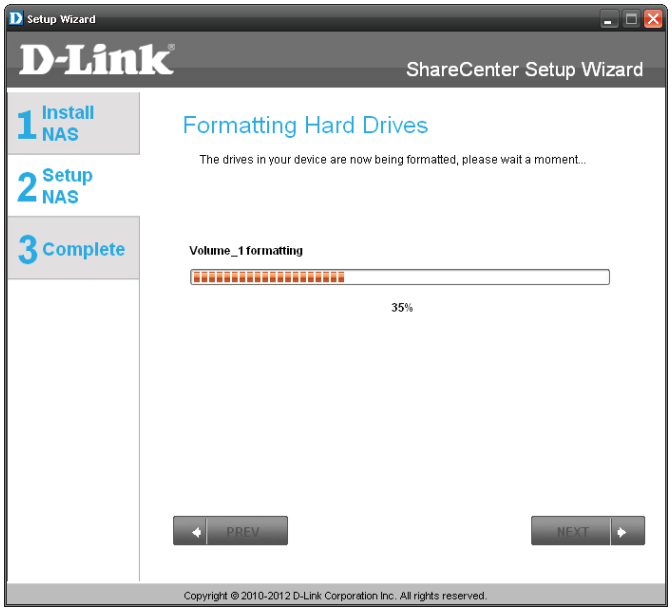
Click **Next** to continue.

Configuration Summary and Drive Formatting



Step 21 - Review the detailed summary of your volume configuration here before clicking next and starting the drive format. If necessary use the **PREV** button to go back and reconfigure the RAID configuration of the volume(s).

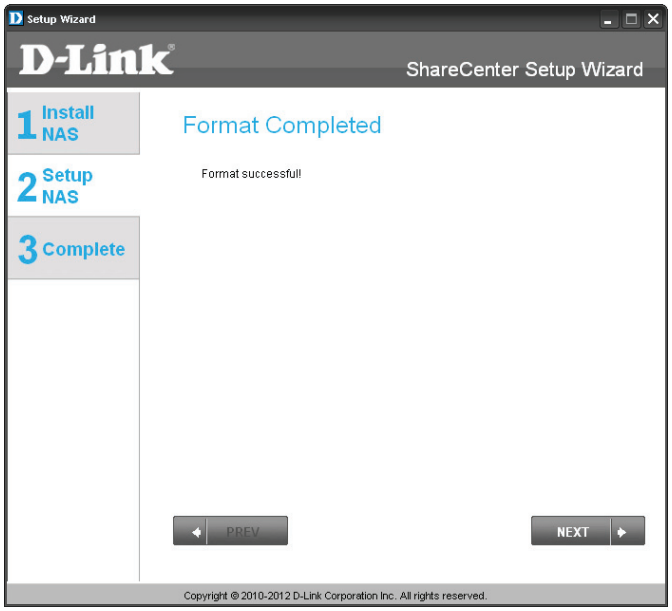
Click **Next** to continue.



Step 22 - During the format process the wizard displays a percentage complete bar for each hard drive.

Click **Next** to continue.

Format Complete



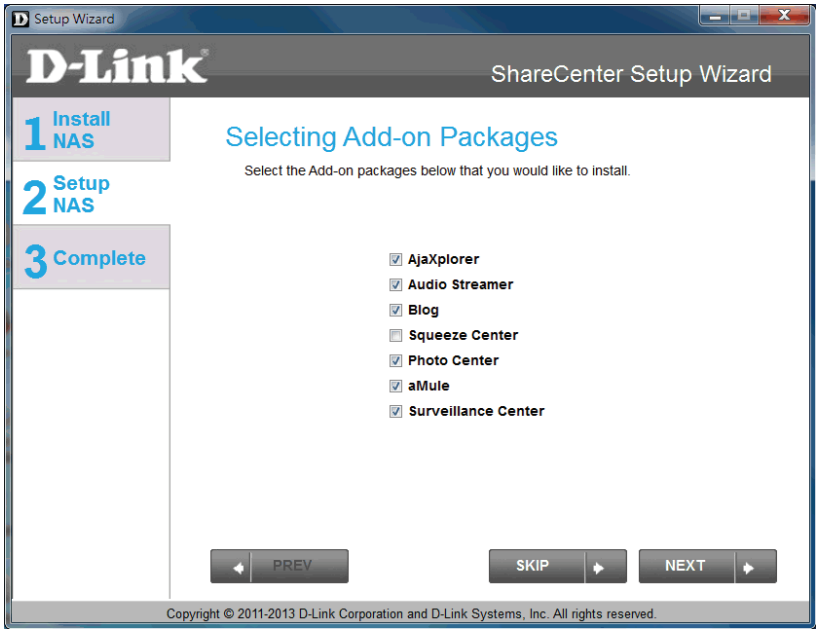
Step 23 - The wizard will notify you when formatting is complete successfully.

Click **Next** to continue.

Installing mydlink Cloud and Selecting Add-on Packages

Step 24 - Your ShareCenter™ supports cloud services. D-Link have provided a cloud service that when installed allows you to send files from your NAS to the mydlink Cloud service. Read the installation instructions and wait for the process to complete.

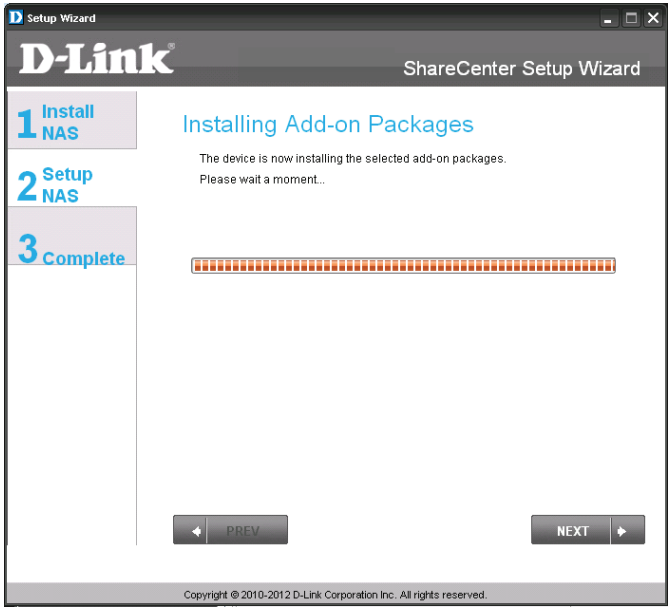
Click **Next** to continue.



Step 25 - Your ShareCenter™ supports Add-On packages. Here you may install the AjaXplorer, Audio Streamer, Blog, SqueezeCenter, Photo Center, aMule, and Surveillance Center add-ons which extend the application functionality of your ShareCenter™.

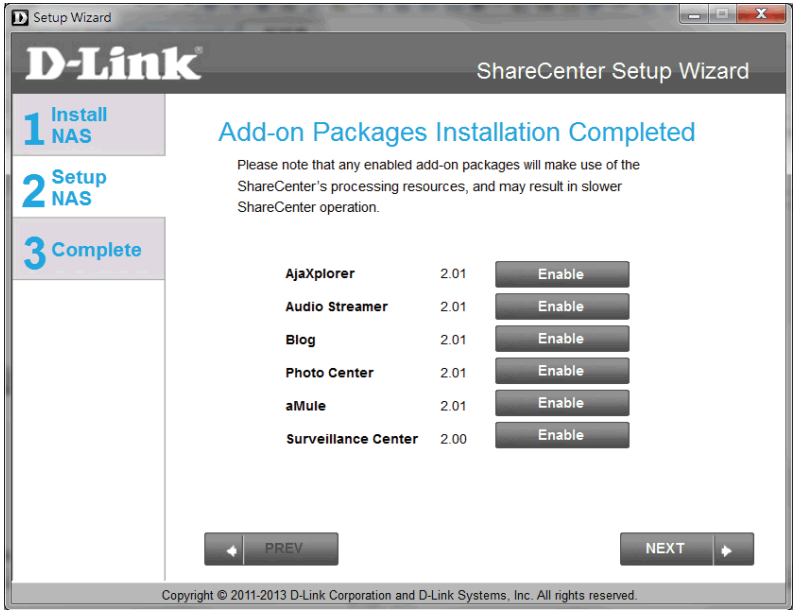
Click **Next** to continue.

Add-on Packages



Step 26 - The wizard will notify you that the Add-on packages are being installed successfully.

Click **Next** to continue.



Step 27 - The next screen allows you to enable or disable the installed add-on packages.

Click **Next** to continue.

Wizard Complete

Step 28 - The ShareCenter™ Setup Wizard is complete. Click Finish to exit the wizard and start using your DNS-325.

Click **Next** to continue.

Your ShareCenter™ is now installed and ready to use. If your drives are mapped using the wizard, you will be able to access them under your 'My Computer' icon.

If you did not use the wizard to map the drives, you can manually map or access the created volumes through your computers operating system. Detailed configurations using the Web UI is explained in the configuration section of this manual.

Managing your ShareCenter™ DNS-325

ShareCenter™ Web Interface is the key interface in managing your DNS-325. It is a browser-based utility that allows you to manage and configure the different tools and services available. ShareCenter™ Web Interface is divided into three main sections.

1. Home
2. Applications
3. Management

These sections are divided into the essential features of the ShareCenter™.

SECTION	FEATURE	DESCRIPTION
Home - My Folder	My Files	Displays a list of files on your NAS
	mydlink Cloud	Configures mydlink Cloud services and syncs it to your NAS

SECTION	FEATURE	DESCRIPTION
Management	Setup Wizard	Step by step guide through password & time settings, connectivity, and device configuration
	Disk Management	Configures disk volumes, RAID, and performs disk diagnostics
	Account Management	Configures user and group management, network shares, active directory paths, and distributed file systems
	Network Management	Configures LAN, Dynamic DNS, and Port Forwarding
	Application Management	Configures FTP, UPnP, iTunes server configurations, Add-ons, AFP, and NFS services
	System Management	Configures language, time and date, device, and system settings. Also allows you to control power, notifications, view logs, do firmware upgrades, SNMP checks and manage USB devices.
	System Status	Displays system and hard drive information along with resource monitoring

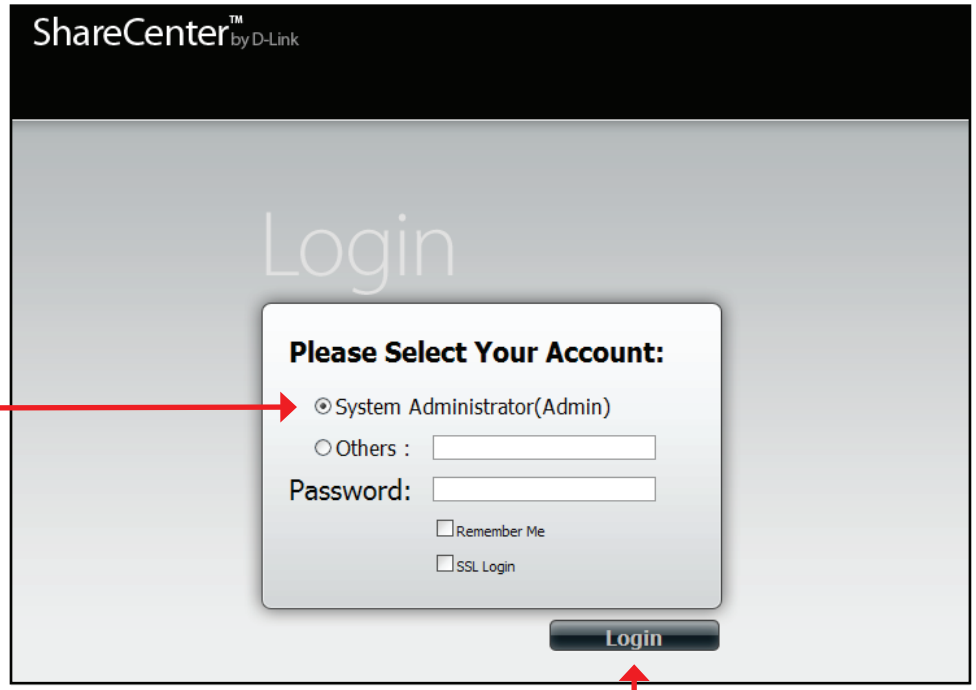
SECTION	FEATURE	DESCRIPTION
Applications	FTP/HTTP Downloads	Configure FTP and HTTP download settings
	Remote Backup	Configure remote backup services
	Local Backups	Configures local backups, Time Machine© settings, and USB backups
	P2P Downloads	Configure your P2P downloads and control your download schedules
	Web File Server	Create, configure, and manage your web file server settings
	Amazon S3	Create, modify, and delete your Amazon S3© settings

Configuration

Web UI Login

The Login screen will appear:

Select **System Administrator** and enter the password you created during the Setup Wizard.

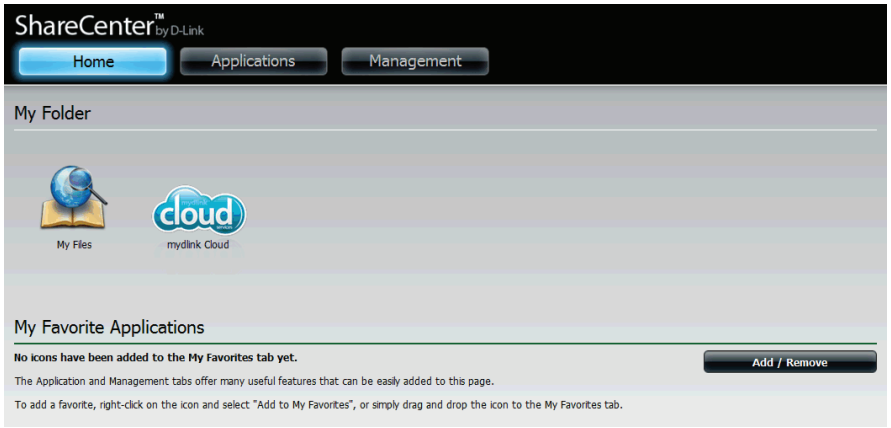


Click **Login**

Note: *The computer, used to access the web-based configuration, manager must be on the same subnet as the ShareCenter™. If your network is using a DHCP server and the computer receives IP settings from DHCP, the ShareCenter™ will automatically be in the same subnet.*

Web UI General Layout

If a hard disk volume has not been created, then the ShareCenter™ Web UI defaults to the Management tab. Once a volume is created, then the web UI defaults to the My Favorites tab. The configuration icons are located in the tabs at the top of the page. The icons available for configuration under each of the tabs include:



Home - Contains the following:

- My Folders - My Files and mydlink Cloud service.
- My Favorite Applications - Users can add shortcuts to their Applications.

Applications - Configuration for:

- **FTP/HTTP** and **P2P** Downloads.
- **Remote** and **Local** Backups.
- The **Web File Server.**
- Other applications which may be added to the page.

Management - Contains the:

- **Setup Wizard** - Step-through settings for accounts, time and date, and connectivity.
- **Disk Management -** Configures the Volume Setup and perform Disk Diagnostics.
- **Account Management -** Configures the Admin Password, Users, Groups, Quotas and Network Share Folders.
- **Network Management -** Configures the LAN settings and Dynamic DNS.
- **Application Management** - Configures File Sharing protocols and Add-On management.
- **System Management -** Configures the Time and Date, Device, System Settings, Power Management, Email Alerts, Logs, and Firmware settings.

These icons and their configuration sub-menus will be discussed in detail in the following pages of this manual.

Note: After logging in to the ShareCenter™ for the first time it is recommended to add a password to the admin account.

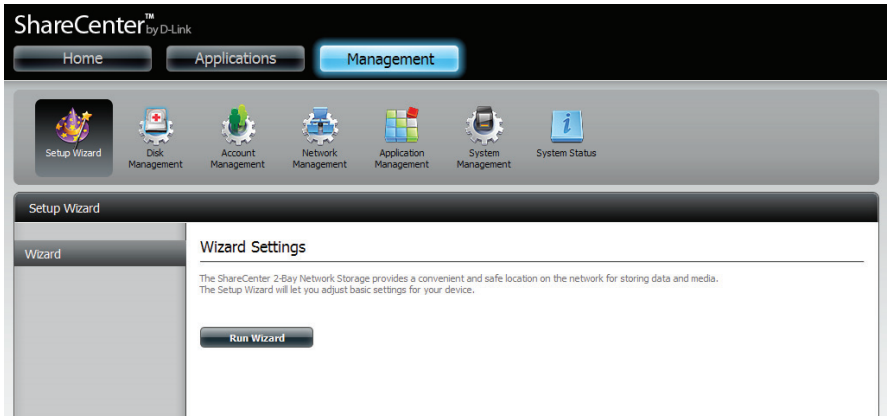
Management

This tab contains the Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management and Status Icons. Click each of the icons to see the submenus.

Setup Wizard (Web UI)

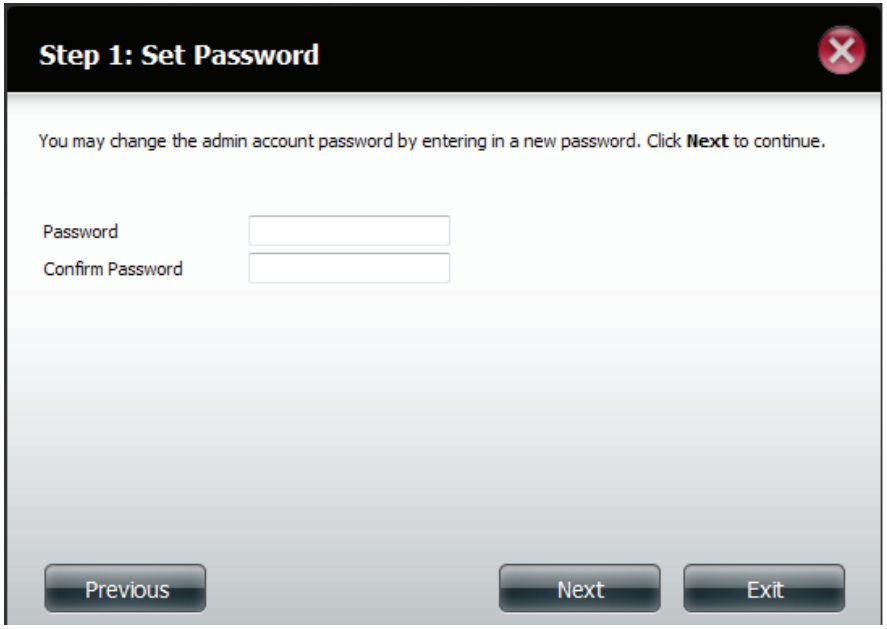
The ShareCenter™ has a System Wizard that allows you to quickly configure some of the basic device settings. Click the **System Wizard** icon to start the Setup Wizard.

Click the **Run Wizard** button to start the setup wizard.

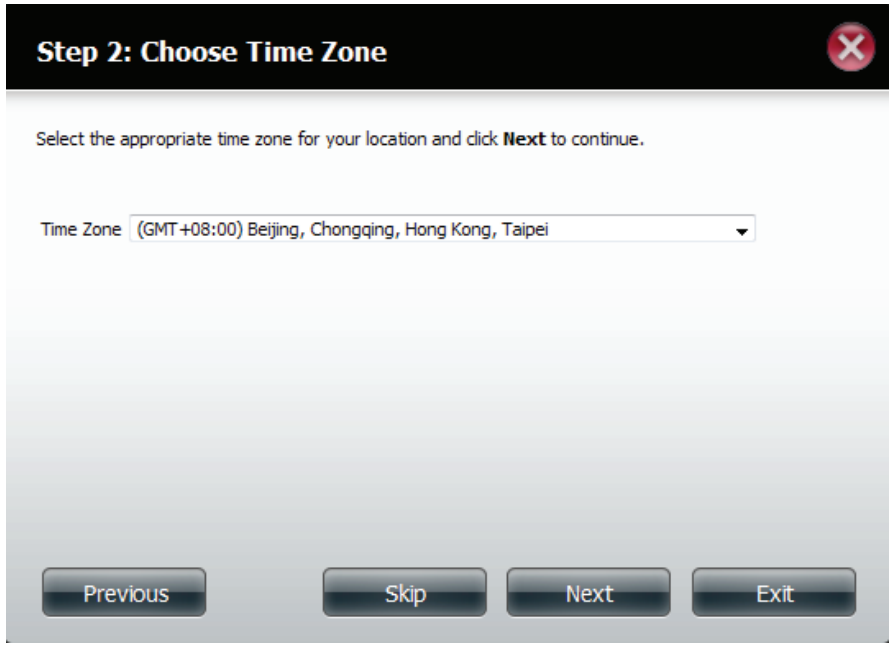


Click **Next** to continue.

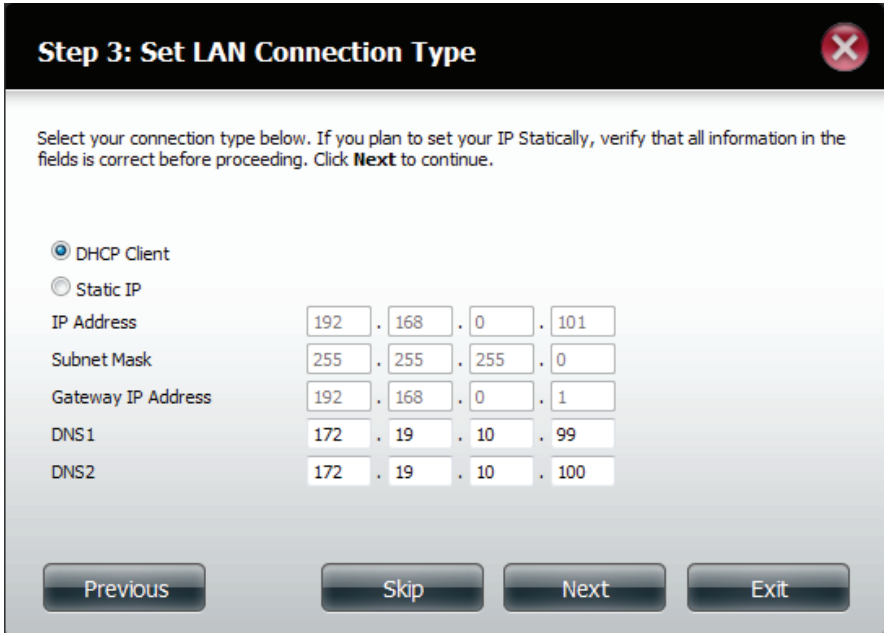
It is recommended you set an admin password here. Enter the new password and re-enter it for confirmation. Click **Next** to continue.



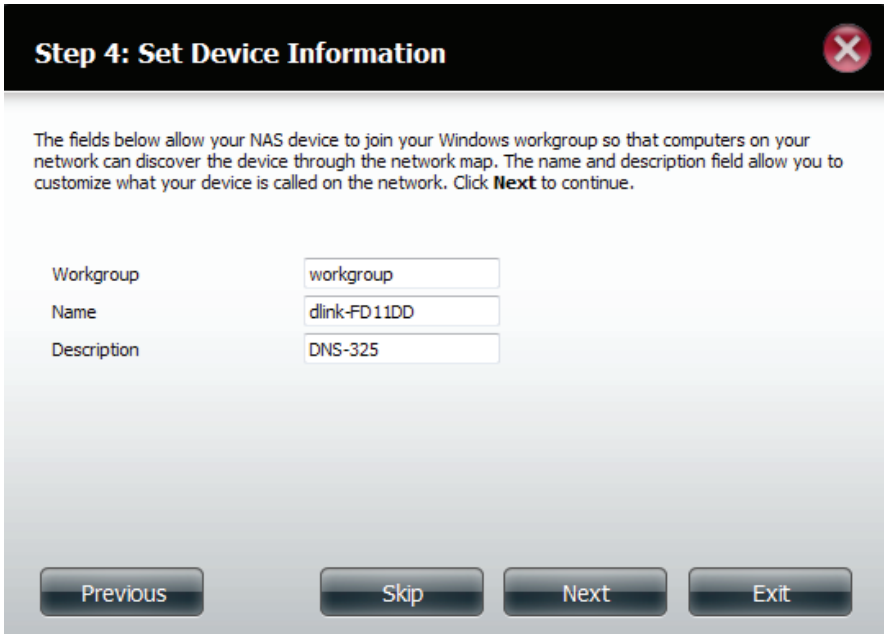
Set the appropriate Time Zone for your location. Click **Next** to continue.



Edit or change the LAN settings. Selecting **DHCP Client** will cause the device to obtain an IP address from the local DHCP server such as a router. Selecting **Static IP** requires you to assign the IP information manually. Click **Next** to continue.



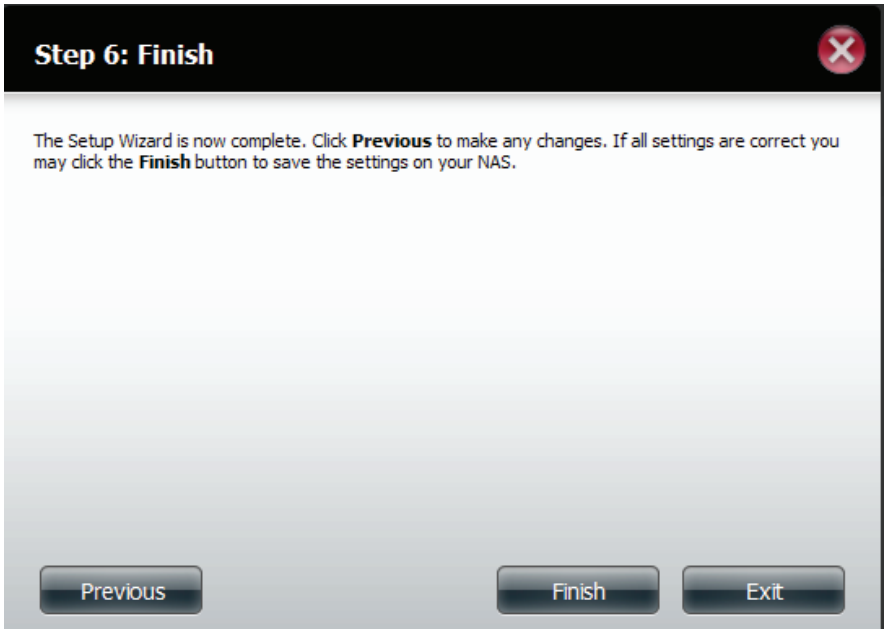
Enter your workgroup, name and description, or leave the default values and click **Next** to continue.



Select **Account** and enter your e-mail parameters in the boxes to send event alerts from the device. Click **Next** to continue.

Click **Finish** to save your settings and complete the wizard.

You may click the **Previous** button to go back and edit your settings or click **Exit** to end the wizard without saving the settings.



Disk Management

Hard Drive Configuration

To setup the Hard Drive RAID configuration of your ShareCenter™, click on the Management tab and then the Disk Management icon. Select the Hard Drive Configuration menu item on the left of the window. This menu will allow you set the RAID type and format your hard drives.

Hard Drive: Configuration Your ShareCenter™ hard drive can be configured and formatted in various configurations here.

Current Raid Type: If the drives are already formatted the configuration will be displayed here.

Set RAID type and Re-Format: Click on this button to launch a wizard to allow you to select the RAID configuration and format the drives. Refer to the section titled "What is RAID?" on page 224 for more information about RAID.

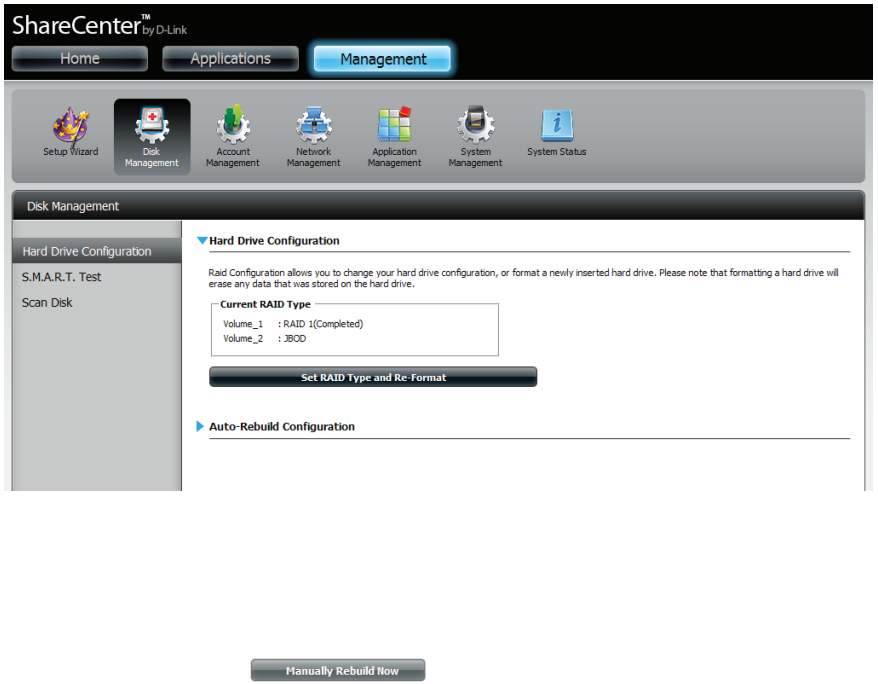
Auto-Rebuild Configuration: If you selected RAID 1 as the configuration option then set the Auto-Rebuild function here using the radio buttons.

Enable Auto-Rebuild: Enabling Auto-Rebuild will rebuild a failed RAID 1 drive when a new drive has replaced the degraded one.

Disable Auto-Rebuild: If you do not want to automatically rebuild drives after a failure when using the RAID 1 functionality then you can check this option.

Note: You can still rebuild a drive using the RAID 1 functionality however you must initiate the rebuild manually.

Manual Rebuild Now: If you have disabled Auto-Rebuild then you can use the Manual Rebuild option by clicking this button.

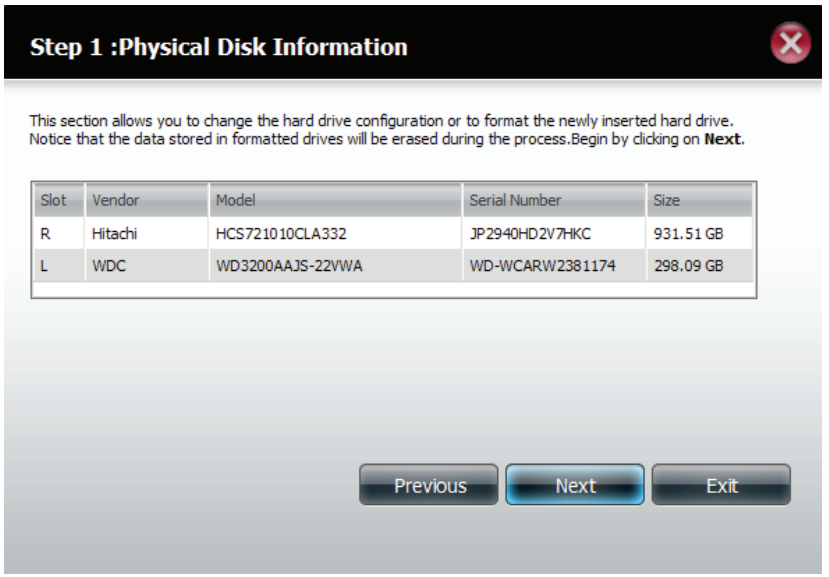


Hard Drive Configuration Wizard

When you first setup your DNS-325, you need to setup the hard drive configuration. Select the best format process that suites your prupose. We will now focus on each individual hard drive configuration process. Lets start with Standard configuration setup.

Initially the steps of the configuration process are shown. You must decide on the RAID type you would like to format your HDDs with. Click the **Next** button to continue or click **Exit** to cancel.

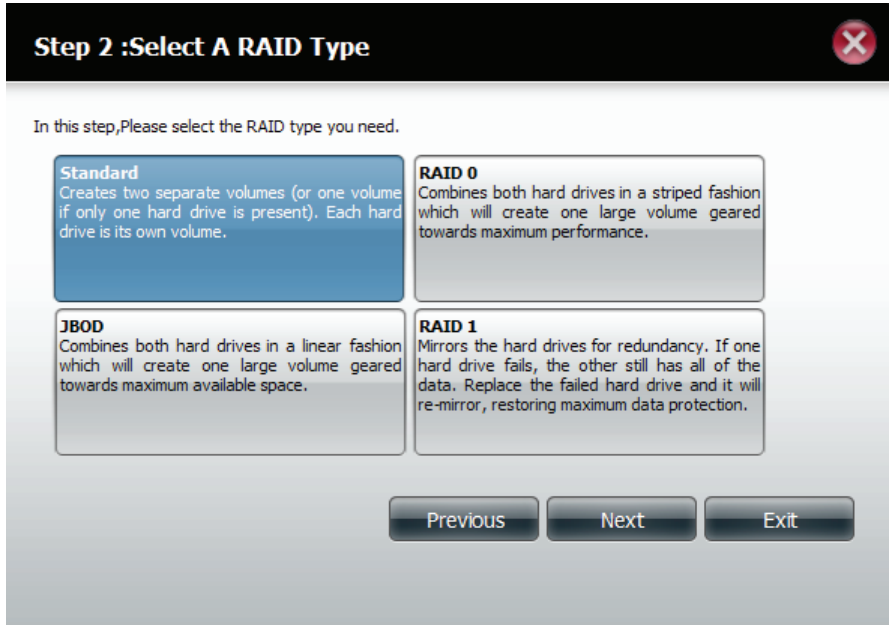
This screen displays the currently installed HDD information. Any data on the installed hard drives will be lost by the formatting. Click **Next** to continue.



Select the format desired by clicking on the RAID type box to highlight it in blue. In this example we select Standard configuration settings.

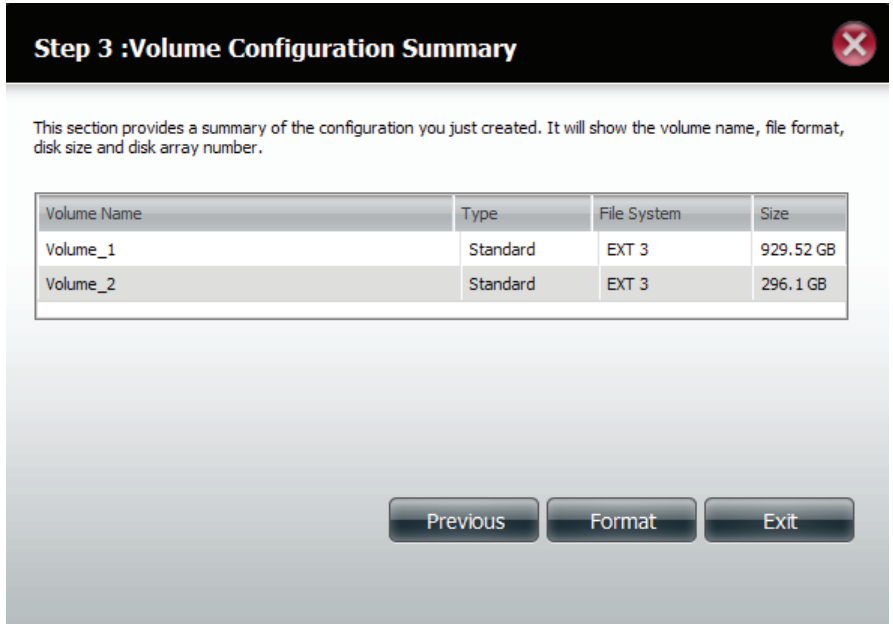
In this example we select **Standard**.

Click **Next** to continue.

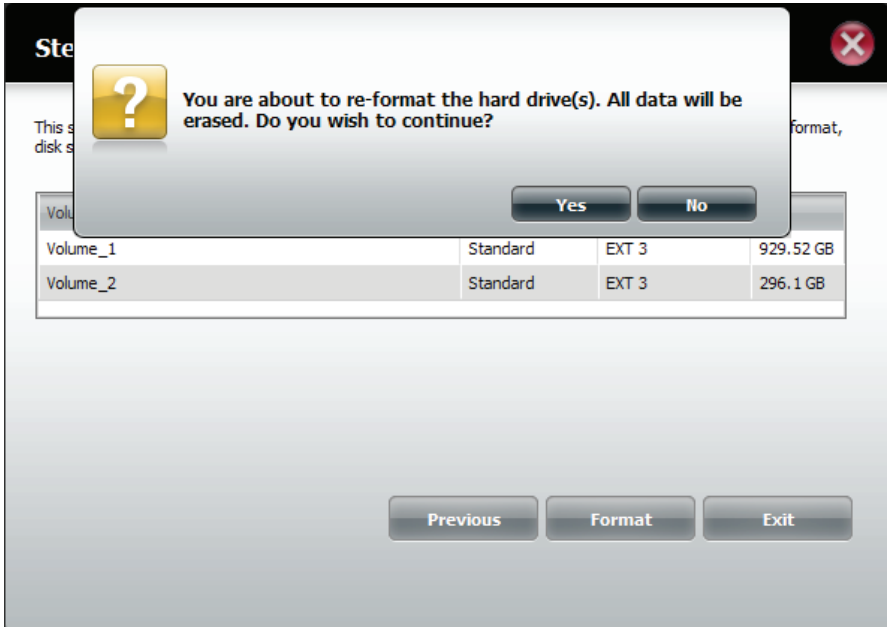


Choose a volume or volumes that you would like to configure.

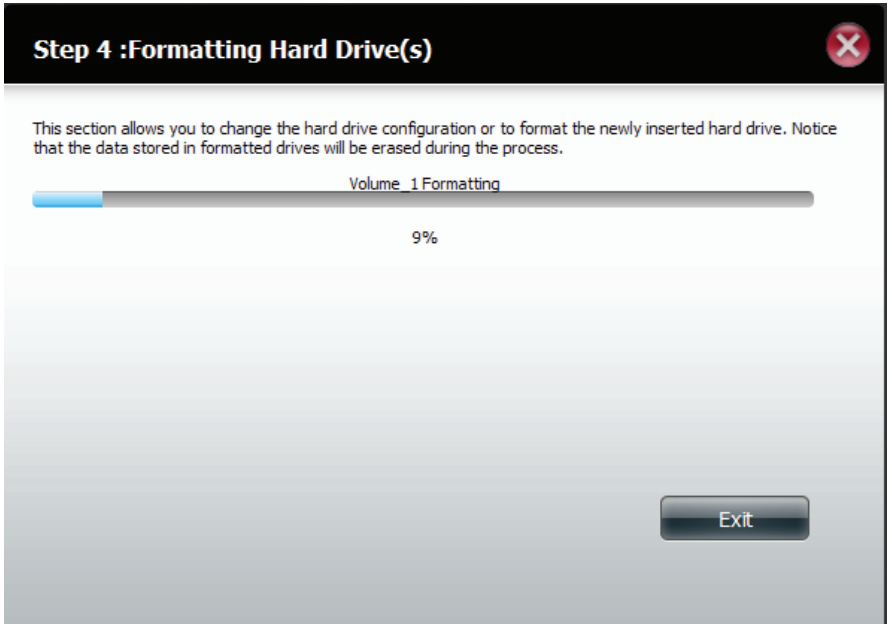
Click **Next** to continue.



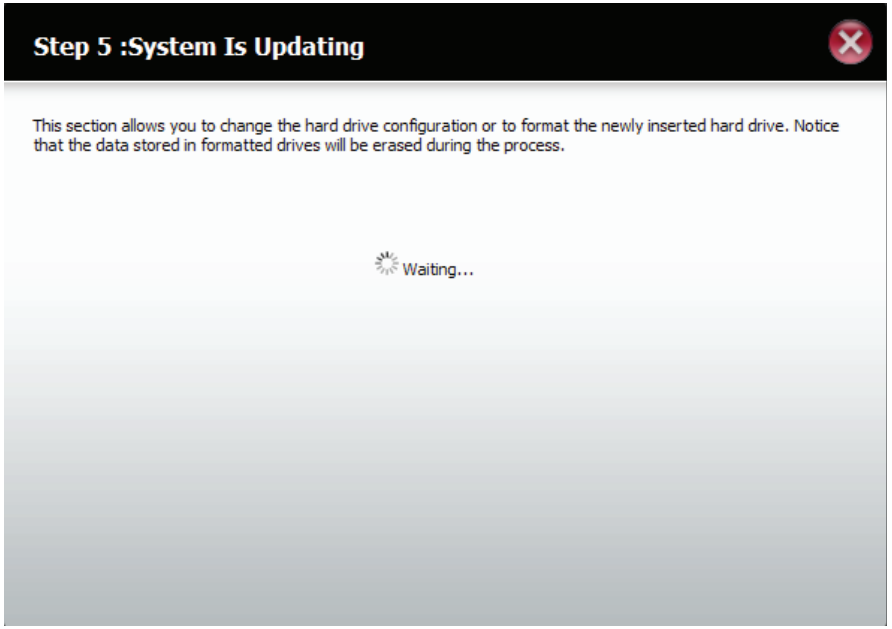
A warning message appears to check if you want to re-format the drive. Click Yes, to continue or No to revert back to the original process.



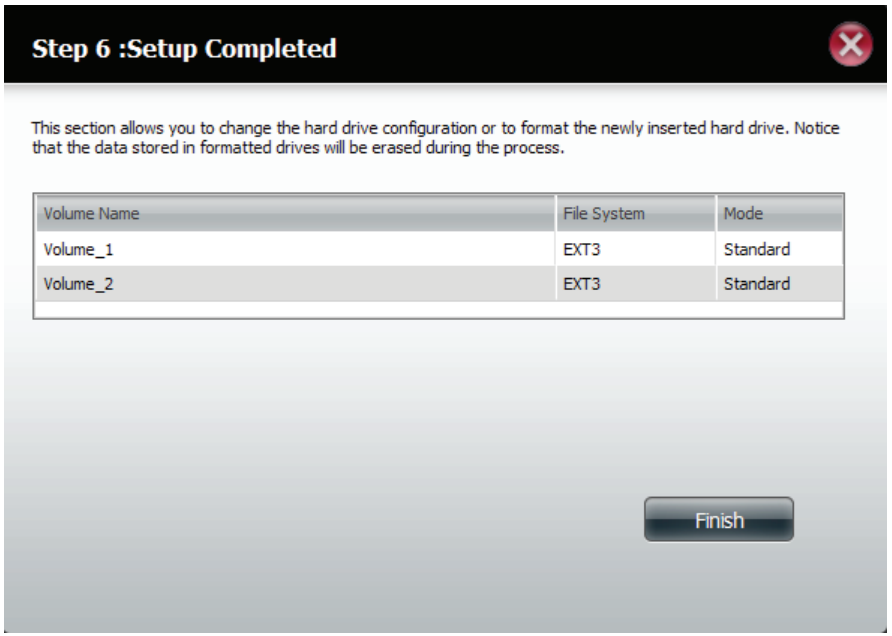
The system initializes and formats the drives.



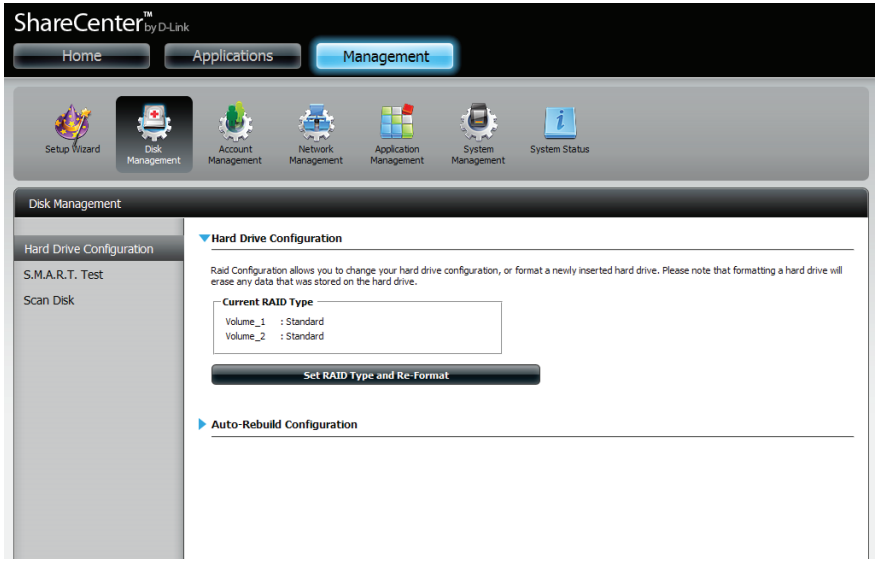
Once the format process is complete, the drives are updated with their new settings.



In step 6, the setup is complete and the volumes are formated to Standard configuration.



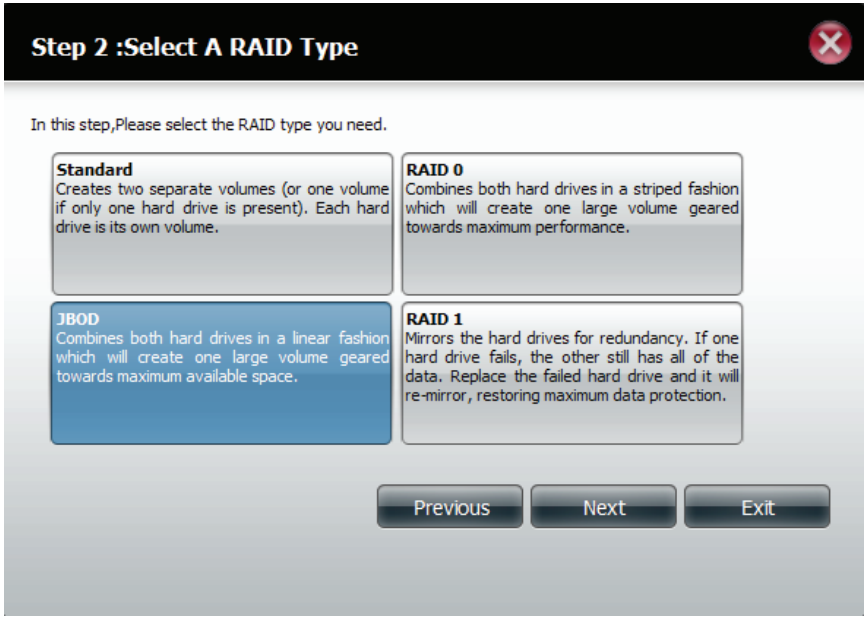
Click **Finish** to return to the main menu. Here you can have an overall view of **Disk Management**.



JBOD

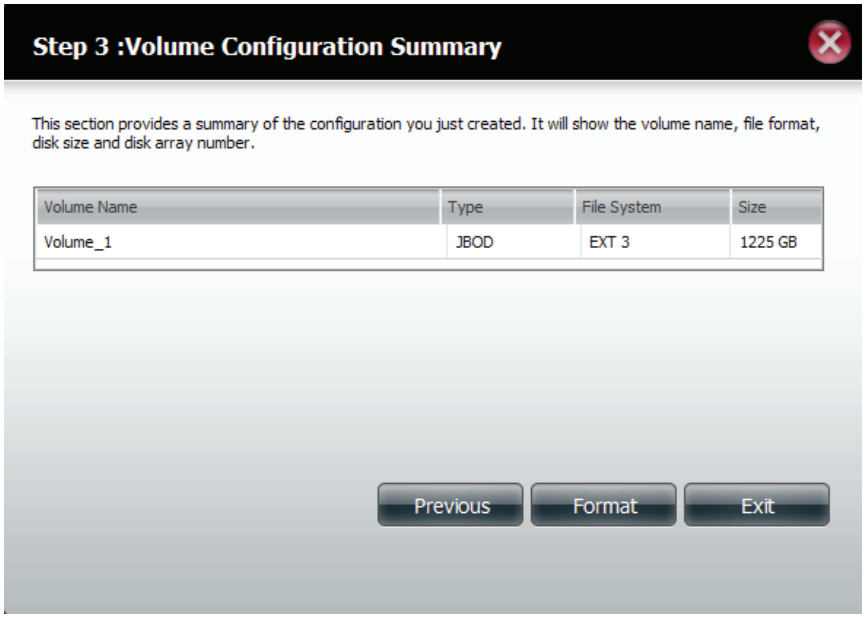
Select **JBOD** to create a single volume from all of the drives.

Click **Next** to continue.

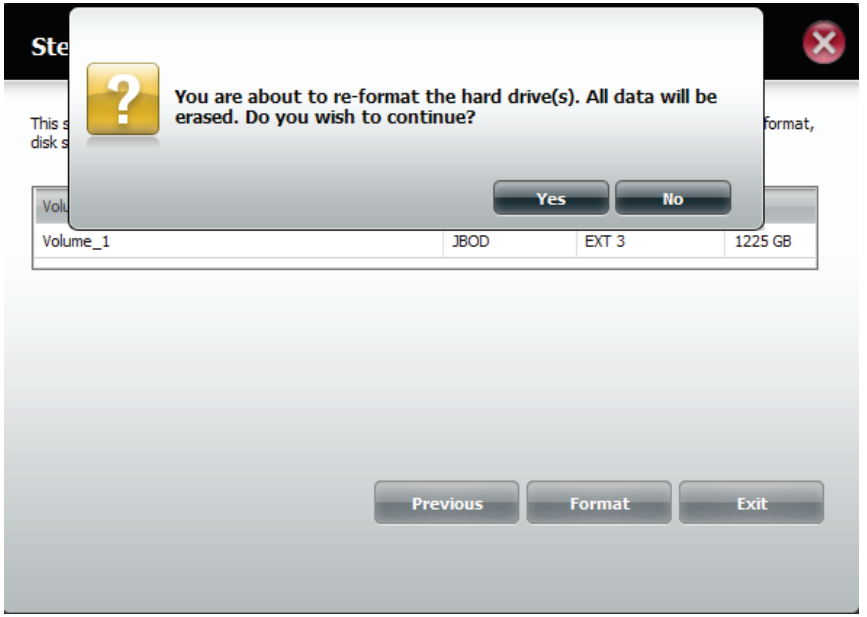


Choose a volume or volumes that you would like to change to JBOD.

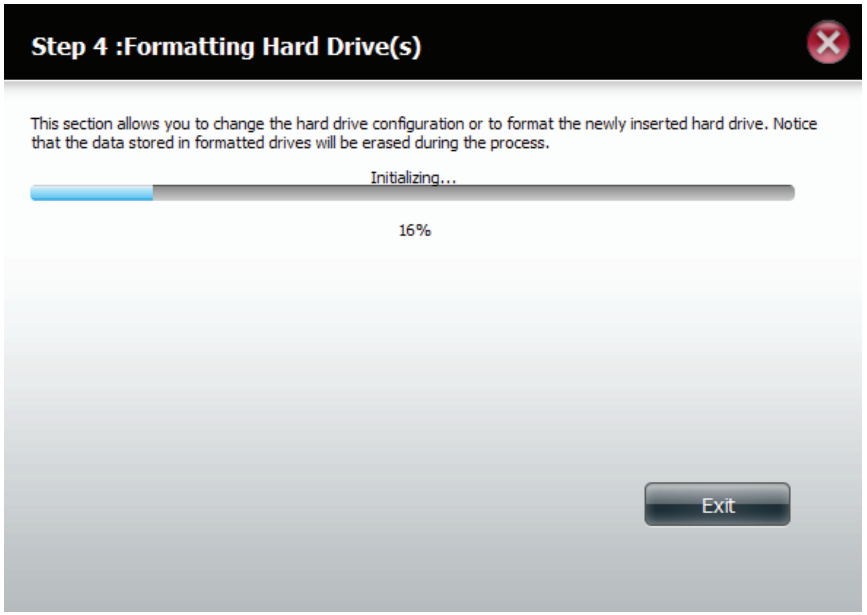
Click **Format** to continue.



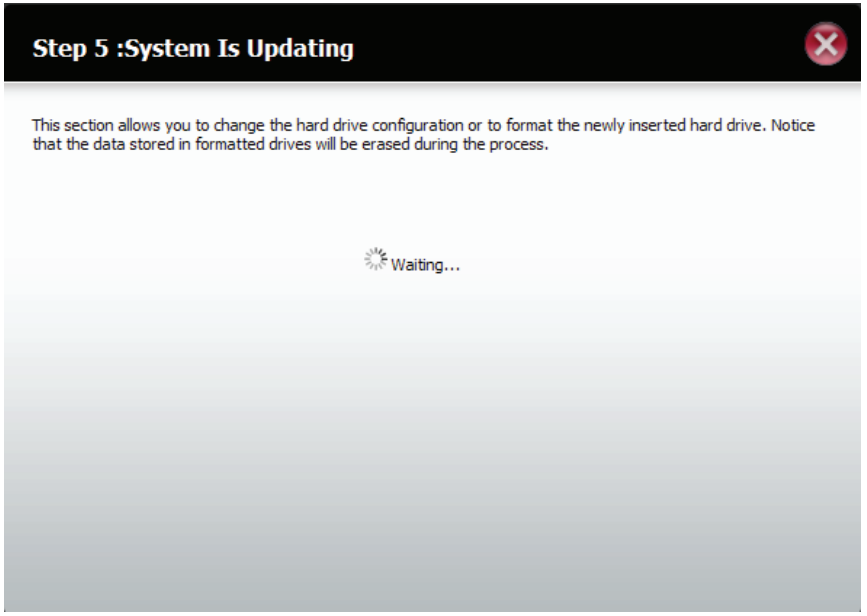
Confirm your format confirmation. Click **Yes** to continue or click **No** to discontinue.



The system initializes and starts formatting.

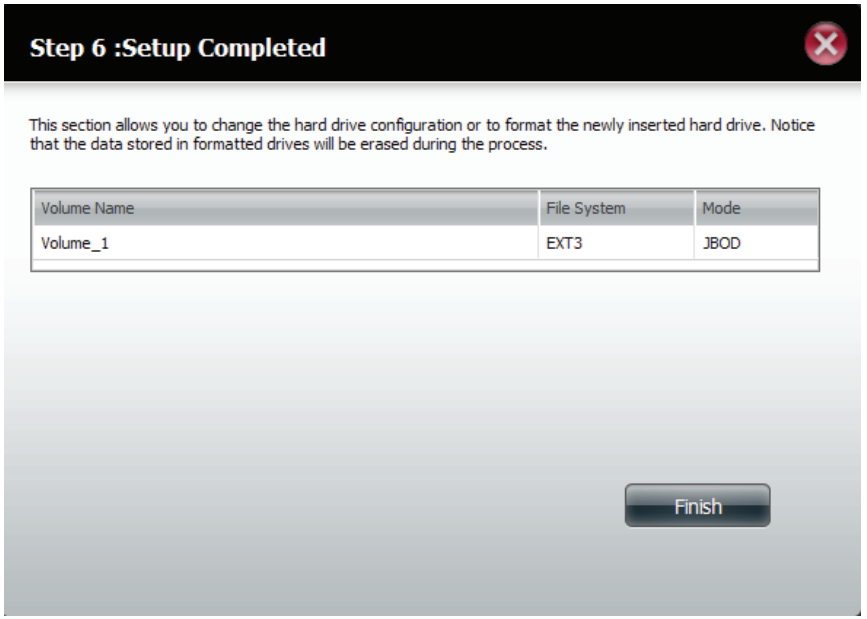


The volume is updated.

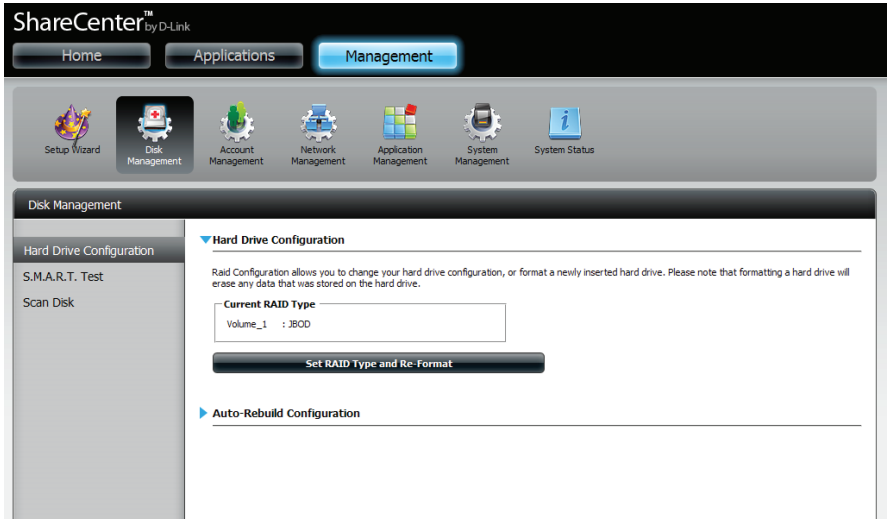


Setup is complete. You can now view the JBOD configuration.

Click **Finish** to continue.



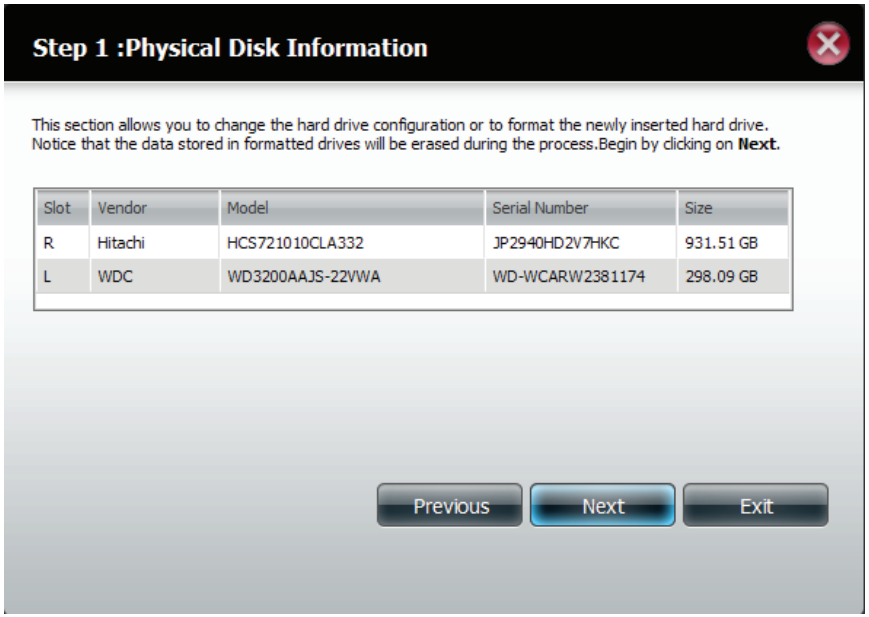
This returns the wizard back to the original Disk Management screen. Here you can see the JBOD settings.



RAID 0

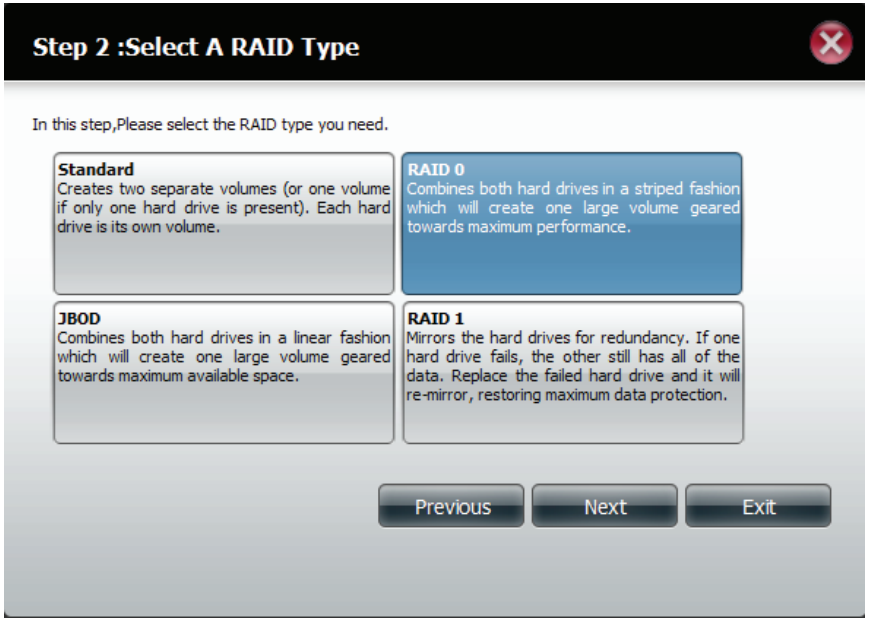
View your current disk information.

Click **Next** to continue.



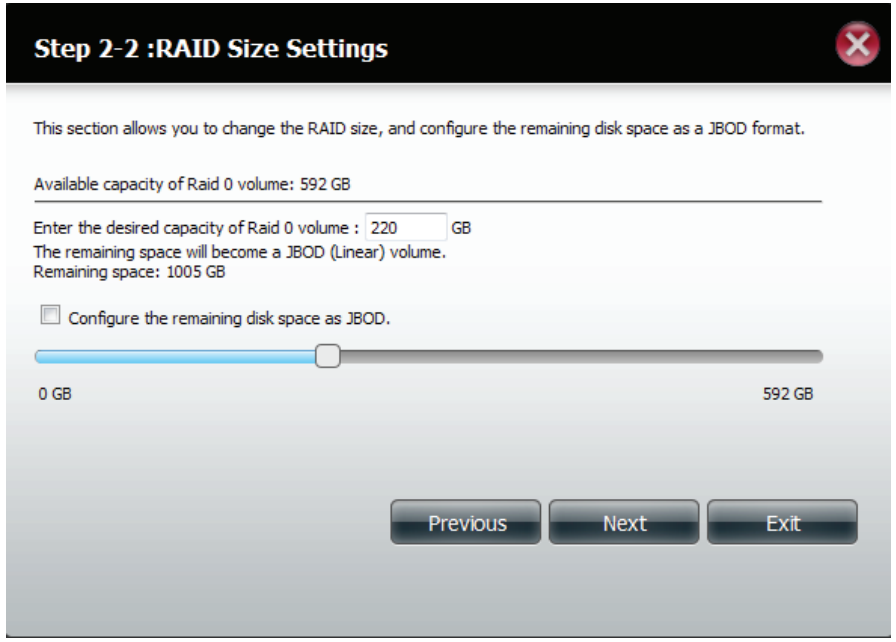
Select RAID 0.

Click **Next** to continue.



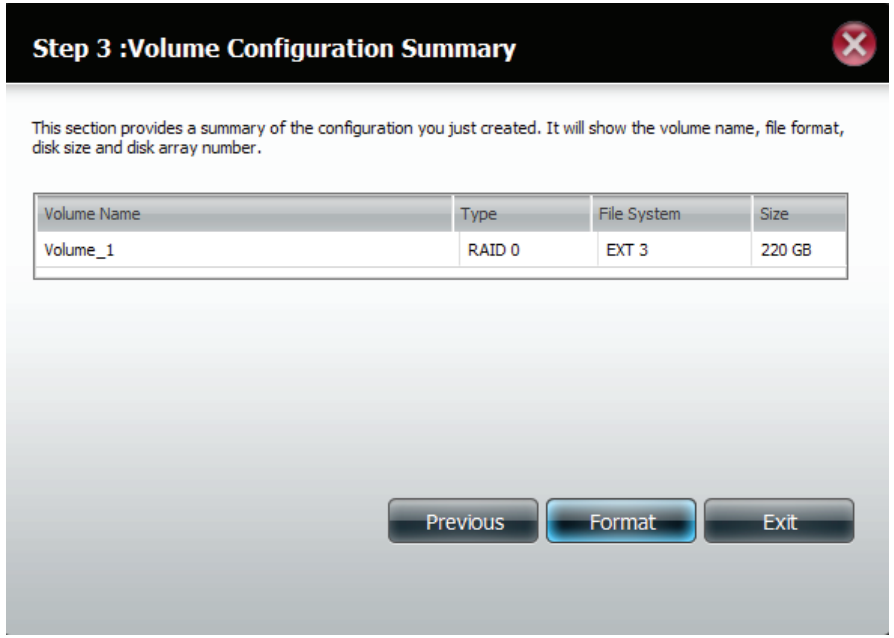
Select how much disk space you want to allocate to the RAID volume using the slider.

Click **Next** to continue.

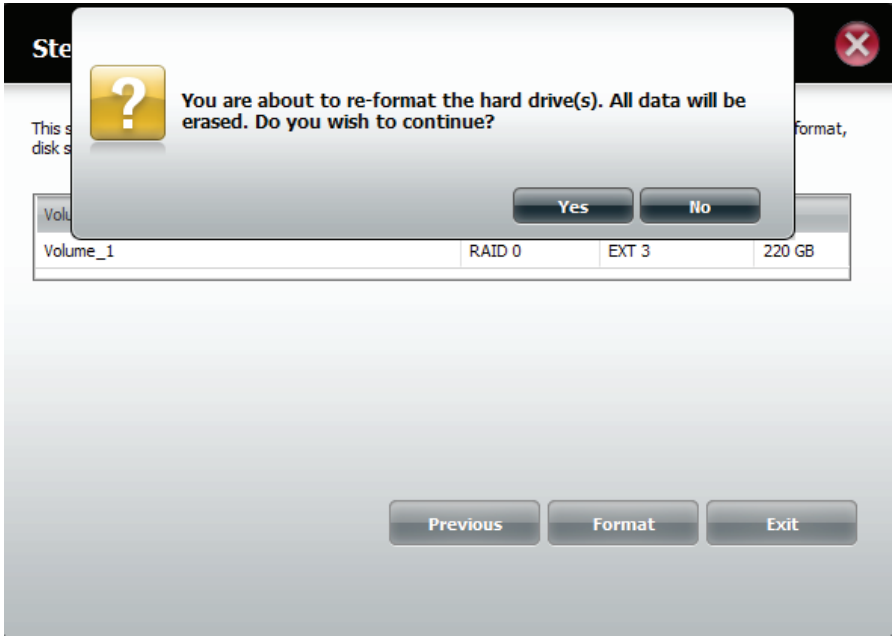


A summary of the volume configuration is provided in table format.

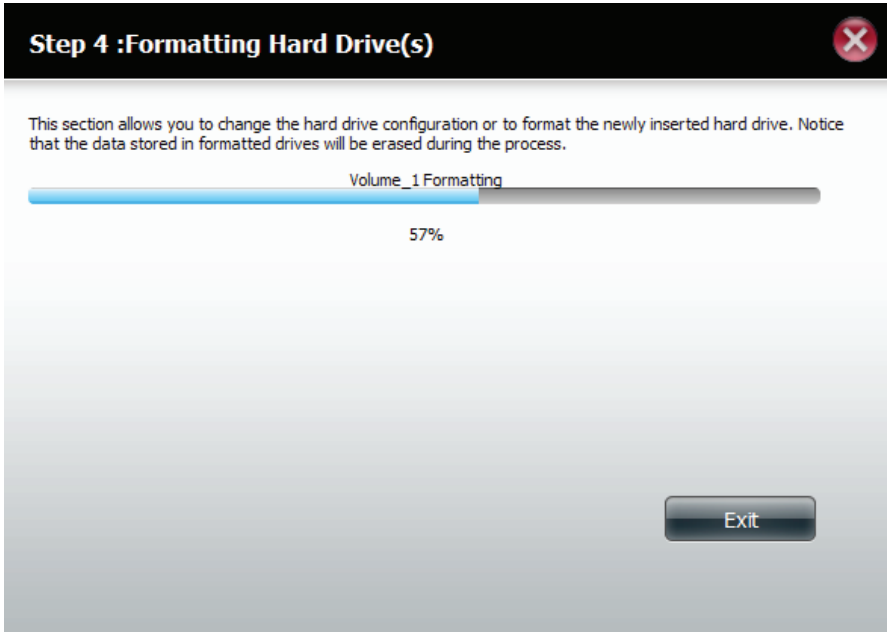
Click **Format** to continue.



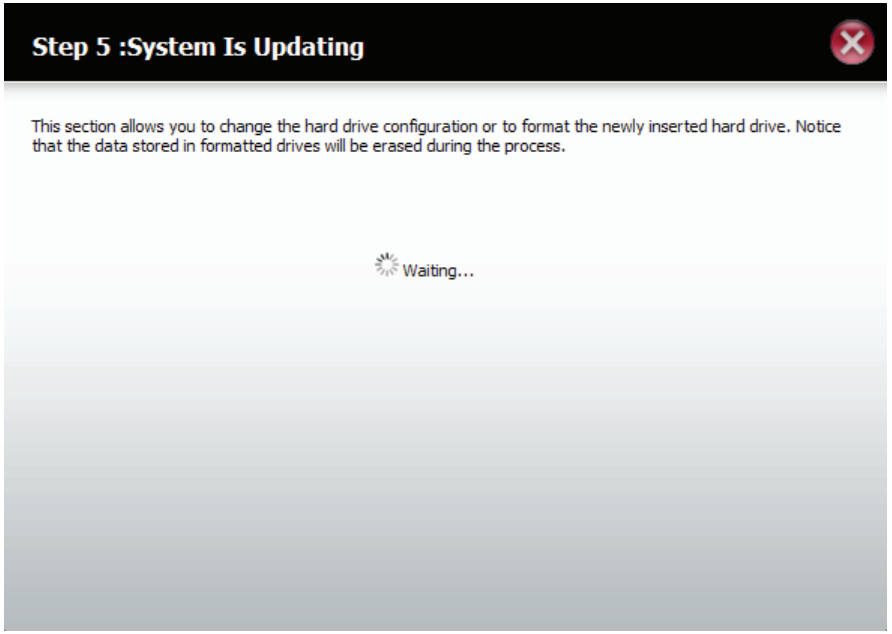
A warning summary is provided to query your choice. Click Yes, to continue or No to return to the previous screen.



The system is initialized to prepare the volumes for the format process and begins the format process afterwards.

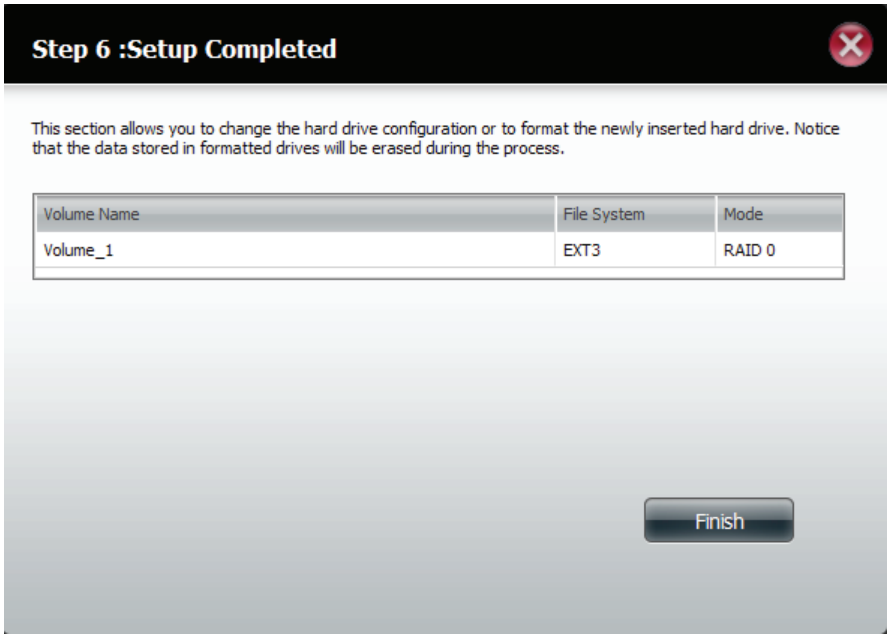


Once the format process is complete the system updates.

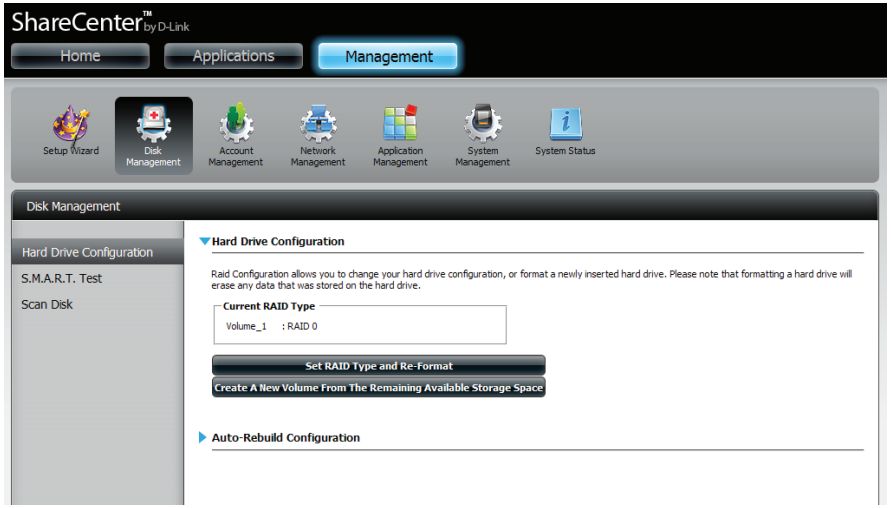


The setup is complete once a volume is displayed.

Click **Finish** to continue.



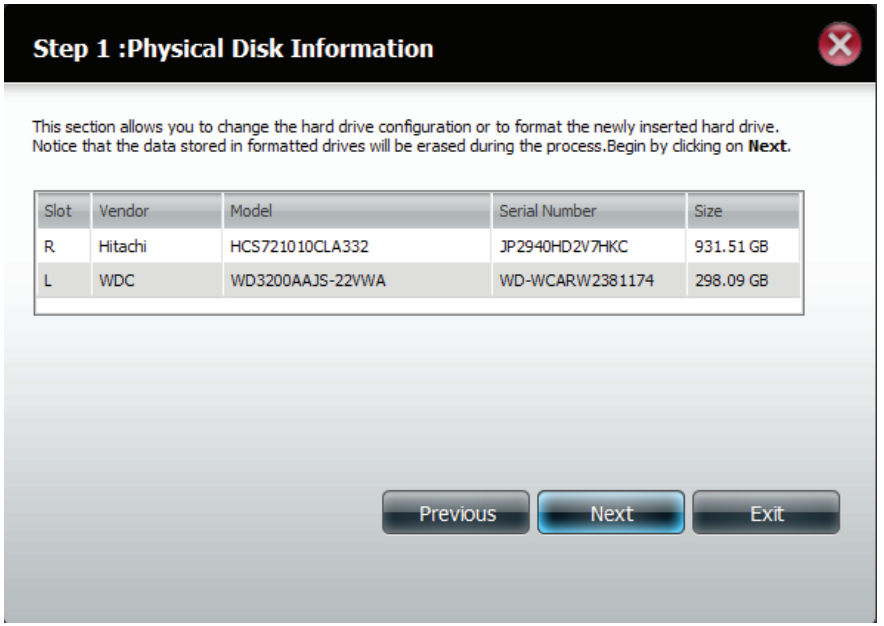
Return to the main screen where you can view the **Hard Drive Configuration settings**.



RAID 1

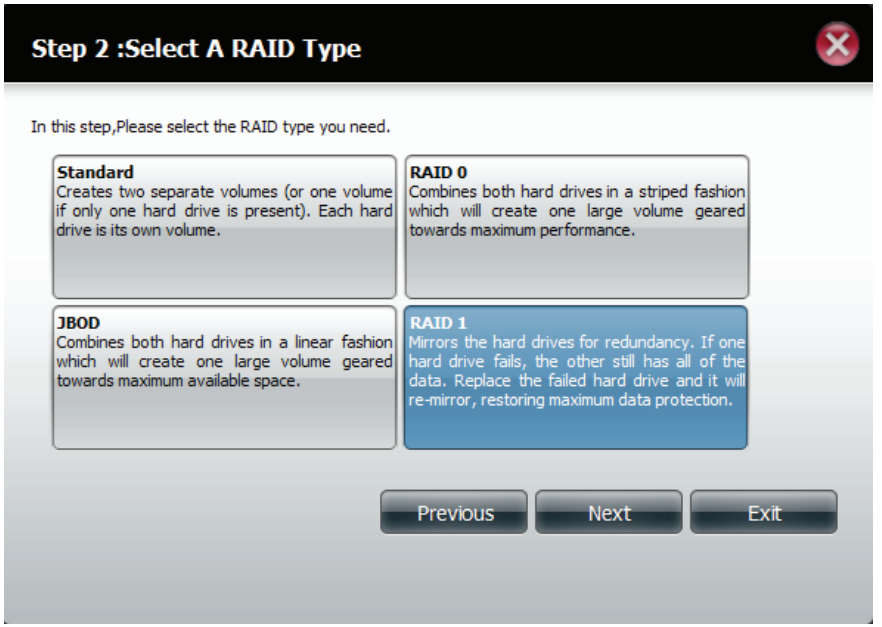
View your current disk information.

Click **Next** to continue.



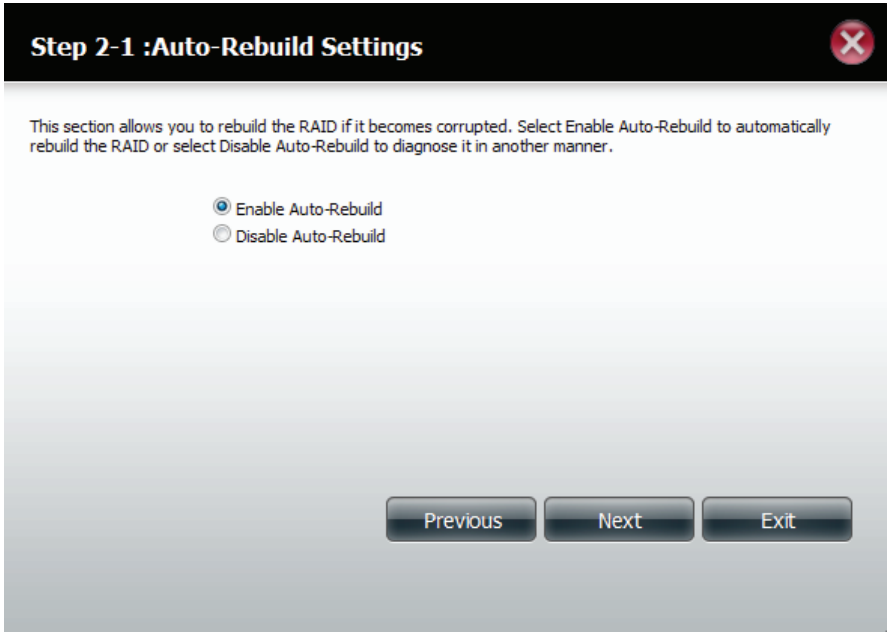
Select RAID 1.

Click **Next** to continue.



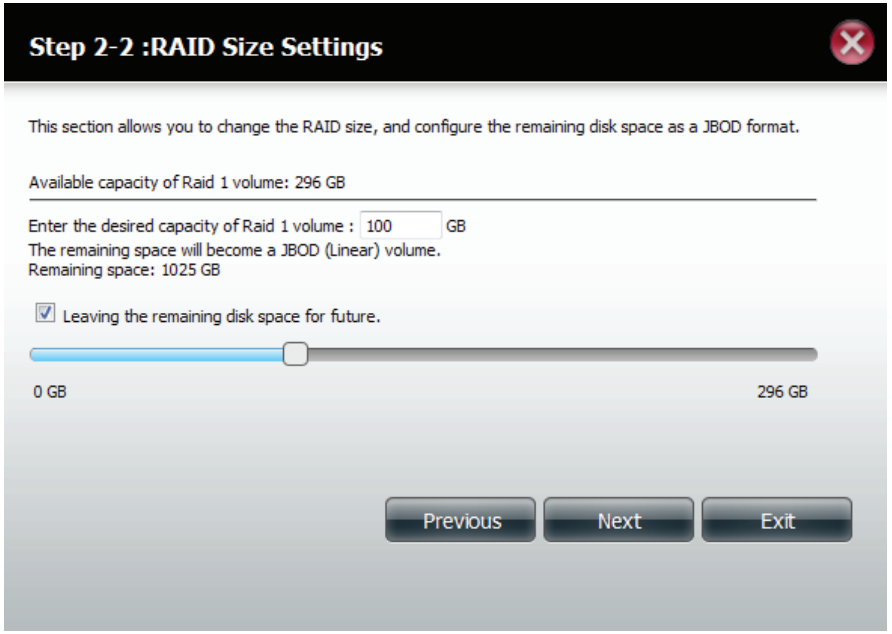
Select to Enable Auto-Rebuild or Disable Auto-Rebuid. Rebuilding the configuration means that when the RAID configuration fails the system is able to rebuild once the system goes down.

Click **Next** to continue.



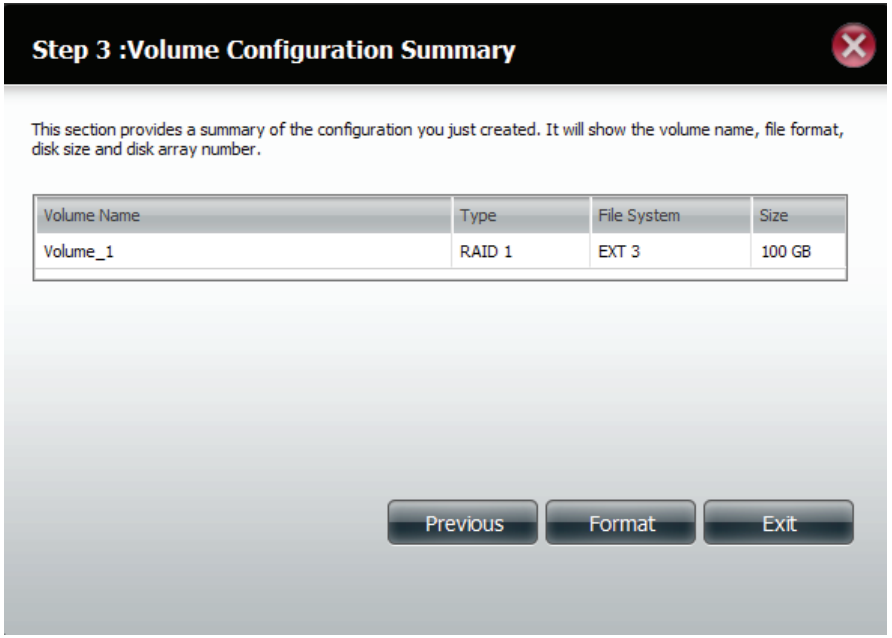
Select how much disk space you want to allocate to the RAID volume using the slider.

Click **Next** to continue.

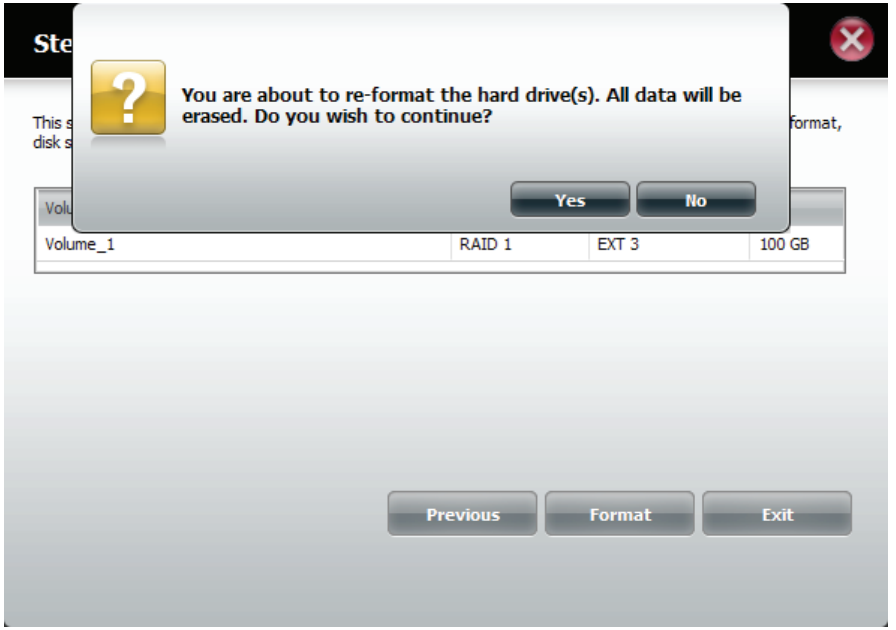


Here is a summary of the volume configuration.

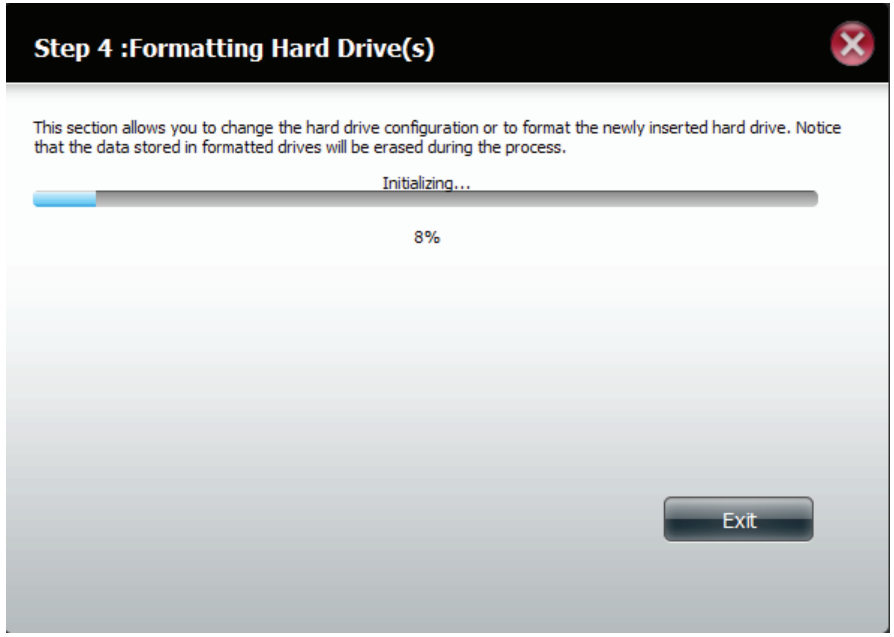
Click **Format** to continue.



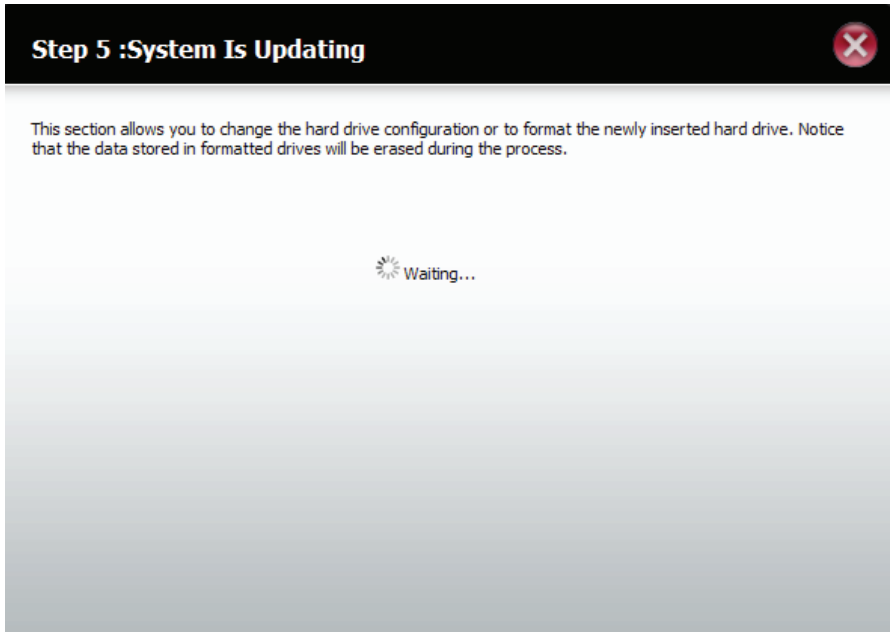
A warning summary is provided to query your choice. Click **Yes**, to continue or **No** to return to the previous screen.



The system is initialized to prepare the volumes for the format process and begins the format process afterwards.

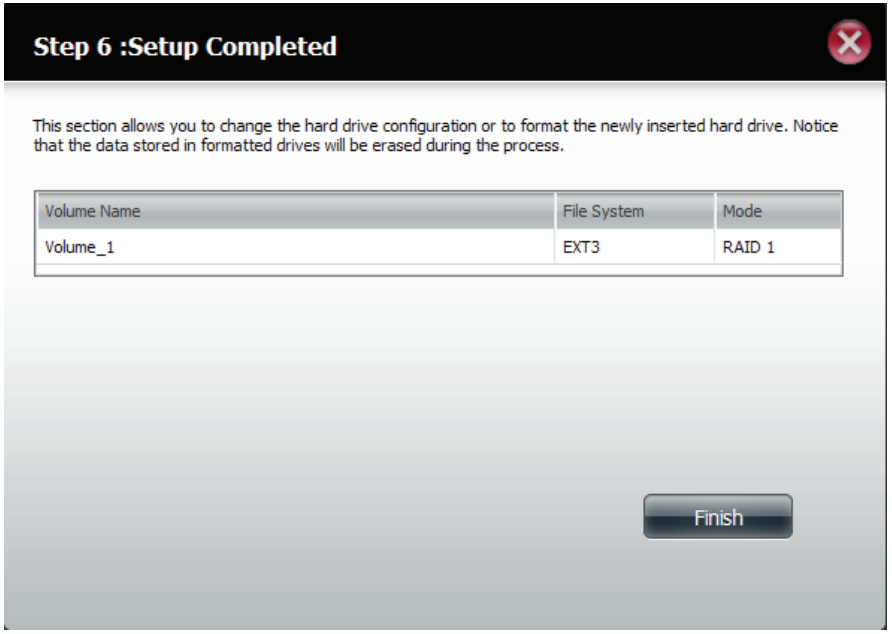


Once the format process is complete the system updates.

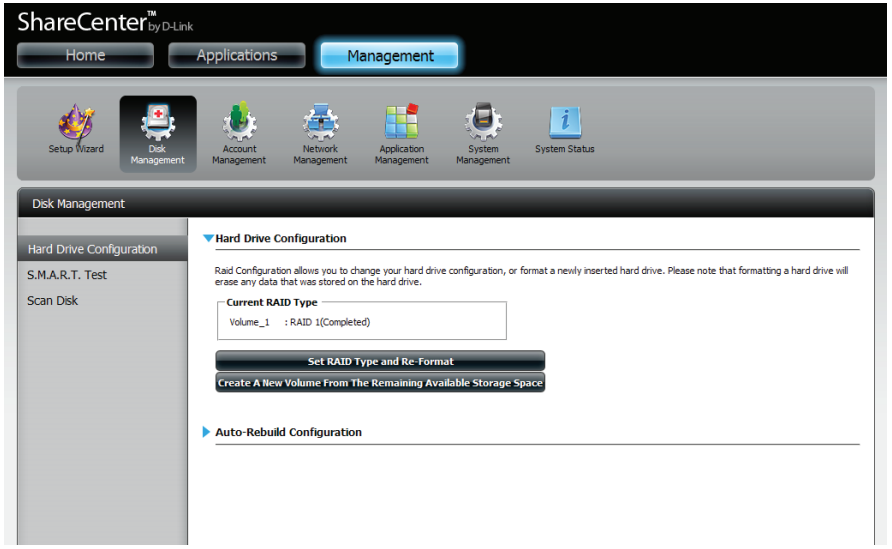


The setup is complete once a volume is displayed.

Click **Finish** to continue.

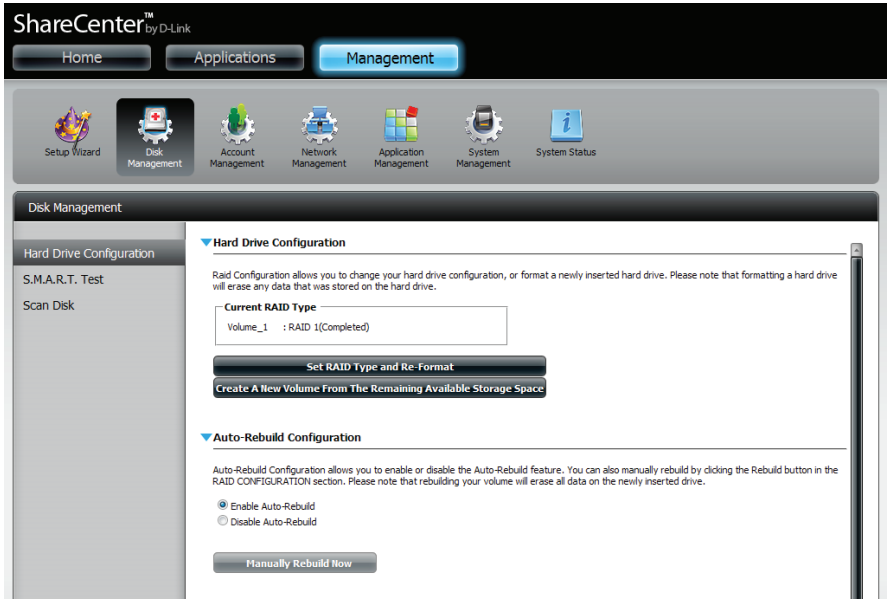


Return to the main screen where you can view the **Hard Drive Configuration settings**.



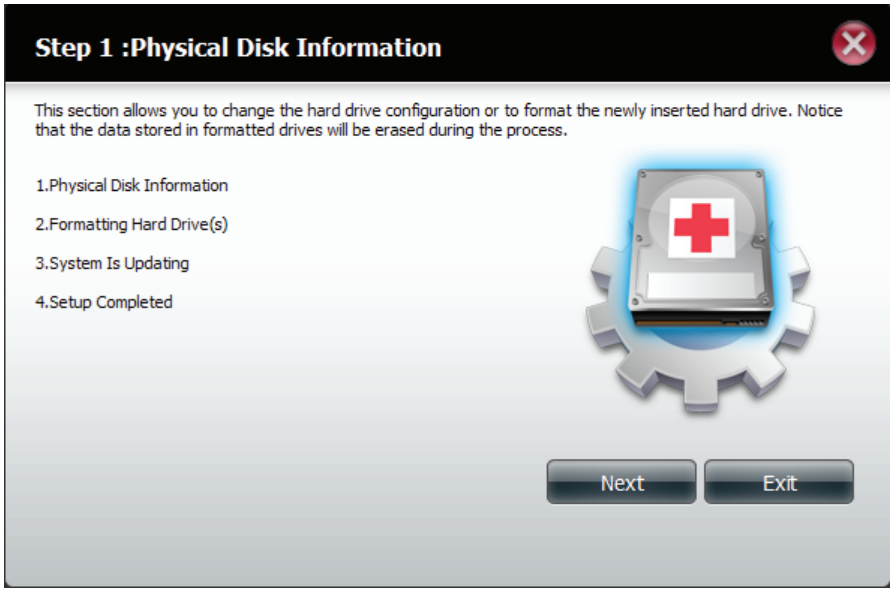
Creating A New Volume from the Remaining Available Storage

If you have remaining space on your hard drives, you are able to set or change the drive settings by clicking the **Create a New Volume from the Remaining Available Storage**.



Click **Create a New Volume from the Remaining Available Storage**.

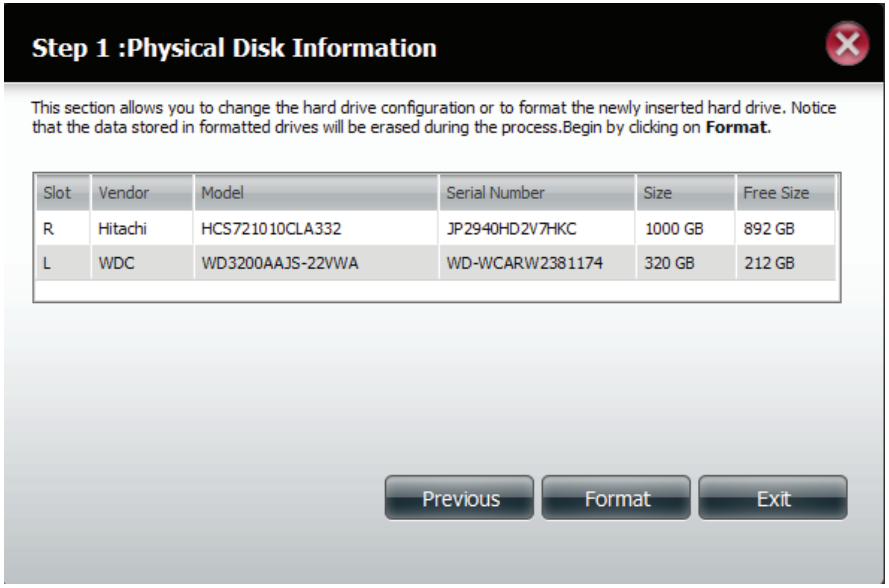
The Physical Disk Information wizard starts



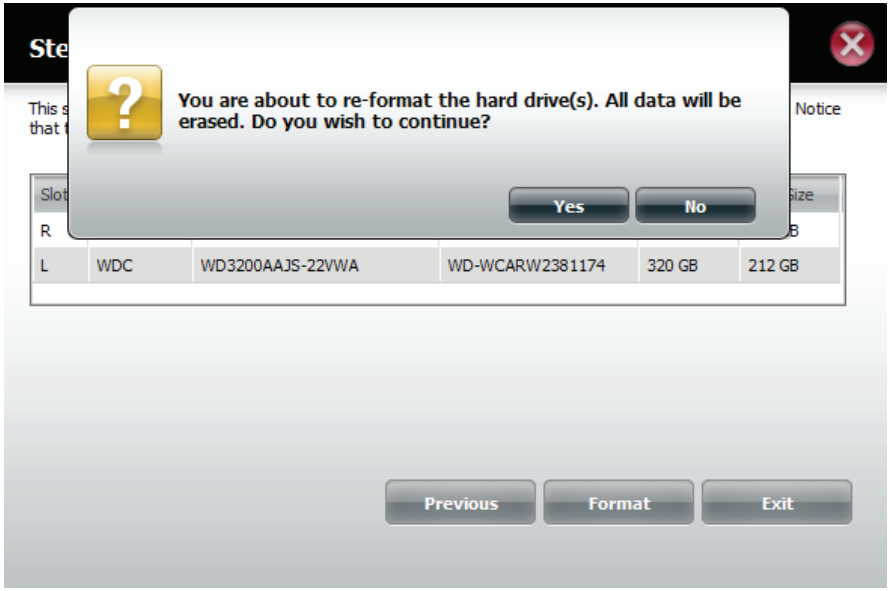
Click **Next** to continue**.**

View your disk information

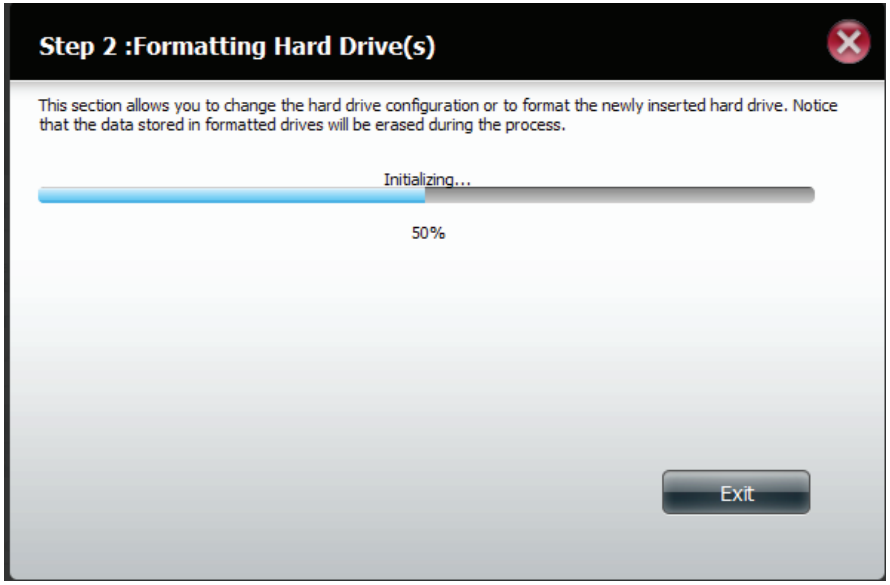
Click **Format** to continue**.**



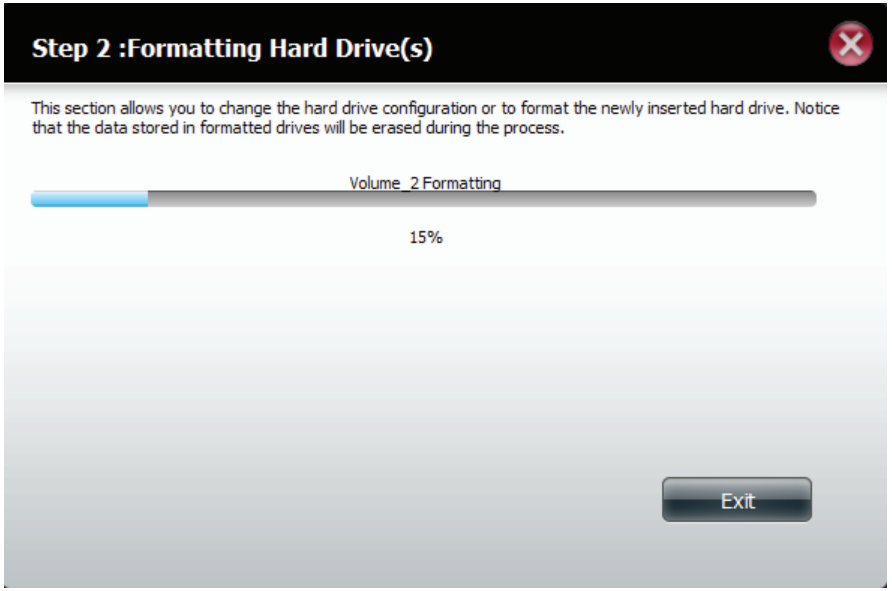
A warning summary is provided to query your choice. Click **Yes**, to continue or **No** to return to the previous screen.



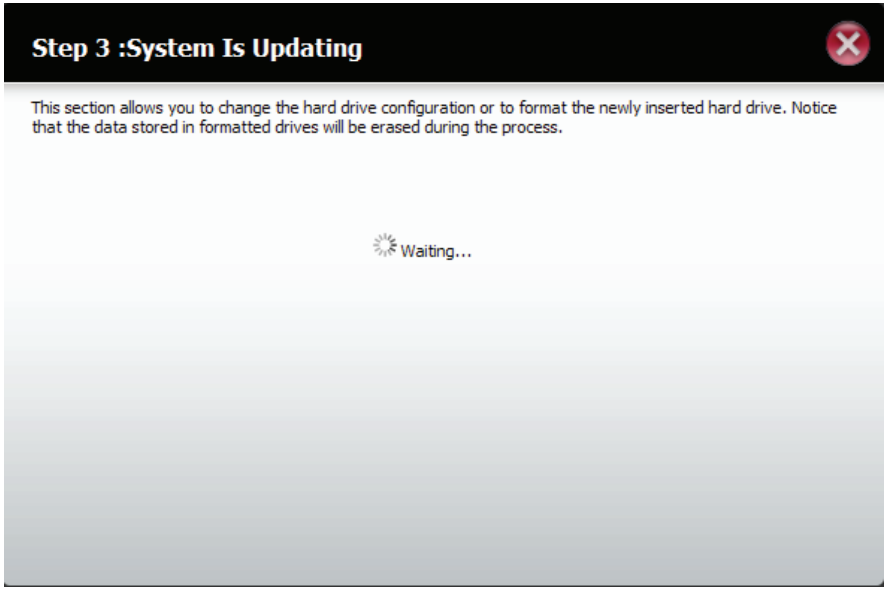
The system initializes ready for formatting



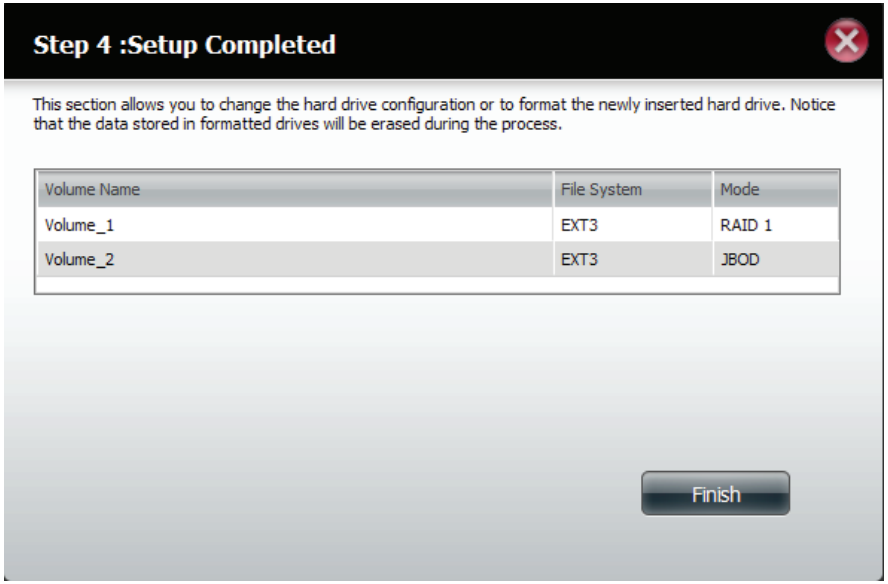
The system formats the remaining space.



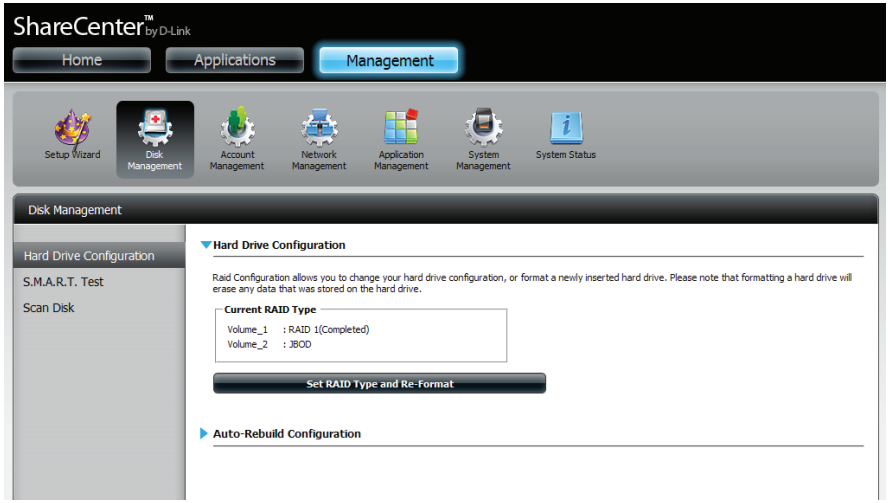
The system updates.



Setup is complete. View your configuration settings.



Return to the main screen where you can view the **Hard Drive Configuration settings**.



S.M.A.R.T Test

S.M.A.R.T stands for "Self-Monitoring, Analysis, and Reporting Technology". This is a system on a hard drive used to monitor and report on the health of the drive. If the HD is grayed out, then it does not support S.M.A.R.T.

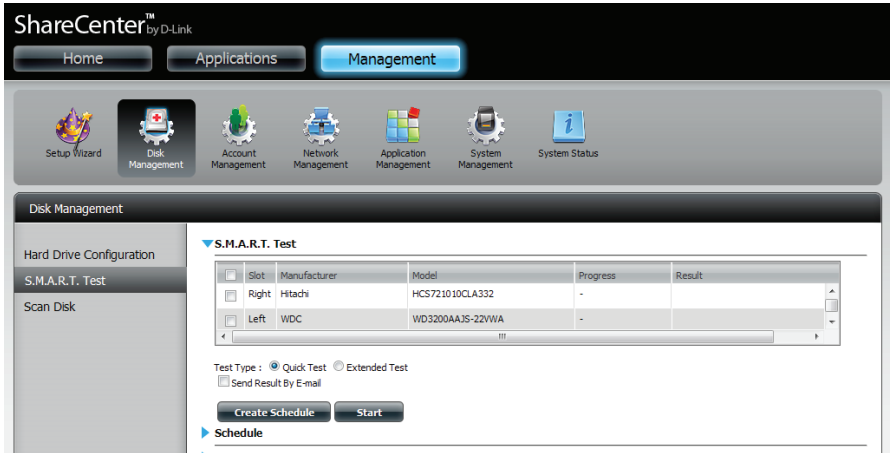
S.M.A.R.T Test: To run the S.M.A.R.T test, select the hard drive you wish to perform the S.M.A.R.T test on. Then select whether to run a Quick or Extended S.M.A.R.T test. Then click **Start** to run the test. Click the **Create Schedule** button to run the test at a pre-determined time and date.

Quick Test: Runs a quick S.M.A.R.T test. The test usually takes less than 10 minutes. This test will check the electrical, mechanical, and read performance of the hard drive. The results are displayed as Passed/Failed on the web UI and can also be sent as an e-mail alert.

Extended Test: Runs an extended S.M.A.R.T test. This test requires a lot more time to complete. However, it is a more thorough and complete test when compared to the Quick Test.

Send result by E-mail: Enable this function in order to have the results of the S.M.A.R.T test sent to you by e-mail.

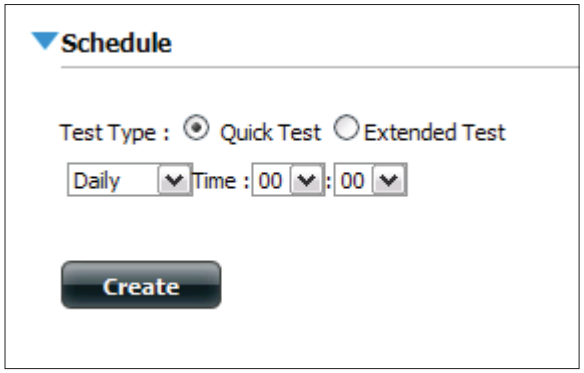
Create Schedule: Click on this button in order to create a scheduled S.M.A.R.T test. You will be able to schedule a test on a daily, weekly, and monthly basis.



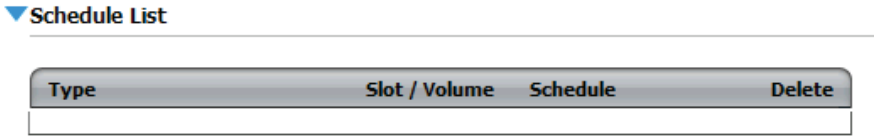
Schedule: By clicking the **Create Schedule** button the user can create a S.M.A.R.T. test schedule where this test will run automatically at the configured time.

Select the frequency (Daily, Weekly, Monthly) and the Time here. Click on the **Create** button to add a schedule.

Schedule List: In the window all the created schedule lists will be displayed.



Note: When performing a S.M.A.R.T. test, your hard drives will not be available over the network until it has completed testing.



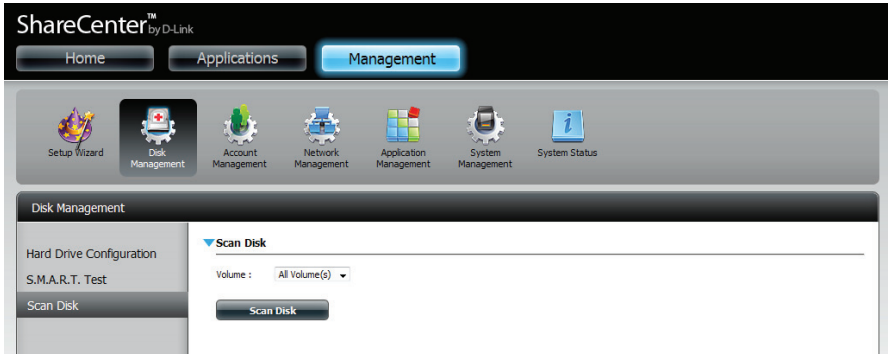
Scan Disk

Scan disk provides a method to test the disk's file system in your ShareCenter™.

Scan Disk: Scan Disk will scan your disks file system for errors and/or corruption. After completion, the test results will show Success or Failure. Click on the **Scan Disk** button to start the test. If the test fails you can try reformatting the drive and test again. Otherwise you will need 3rd party disk troubleshooting tools.

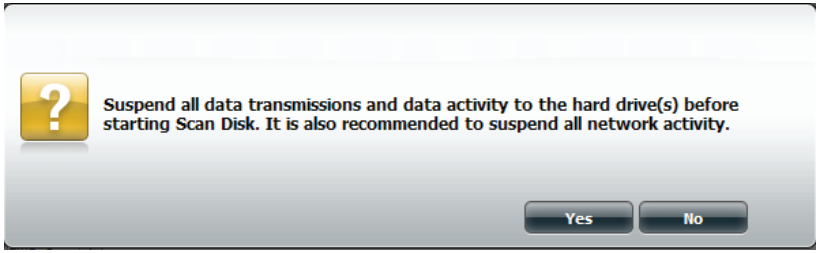
Volume: Use the drop-down menu to select the disk volume that you want to run the **Scan Disk** test on.

Scan Disk Progress Window: If you have started a Scan Disk test then a window with a progress bar will appear to monitor the test. Click the **Exit** button to abort the test if required or once the test has run 100 percent.



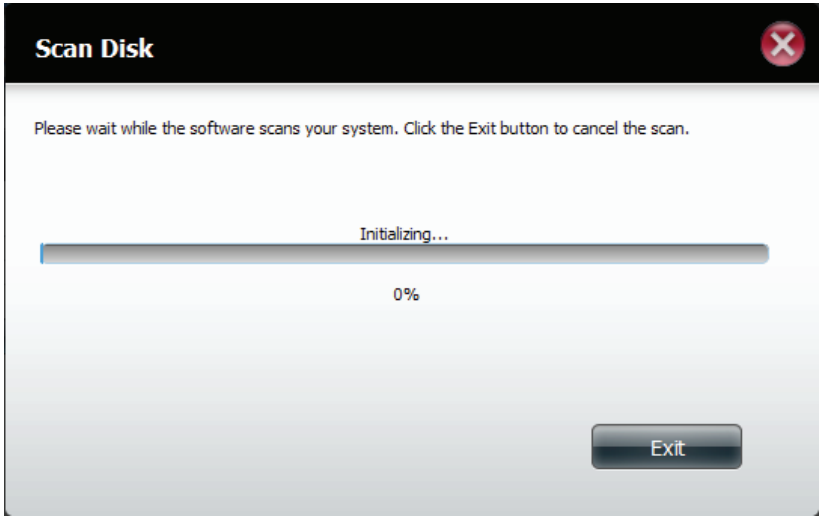
A warning message will prompt you to stop running all services (hard drive and network activity).

Click **Yes** to proceed or **No** to cancel.



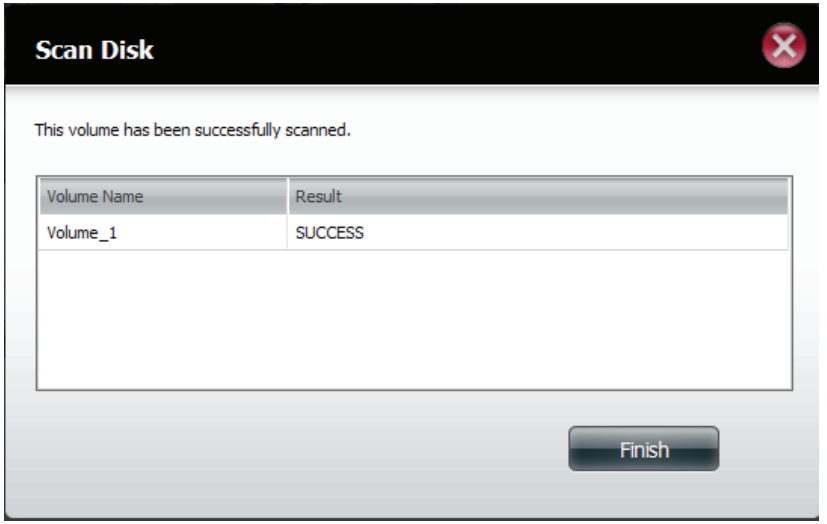
The DNS-325 will initialize the volume(s) and begin scanning.

Please wait while the software scans your system. Click the Exit button to cancel the scan.



When the scan is complete, the table will either display **Success** or **Failure**.

Click **Finish** to exit.

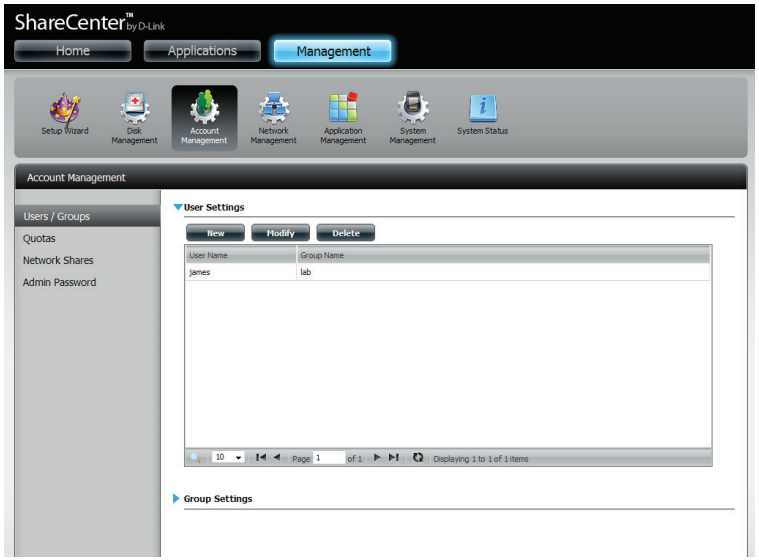


Account Management

Users / Groups

The Users/Groups menu is used to create and manage user and group accounts. Up to 512 users and 64 groups can be created. By default, all users have read and write access to all folders. However access rules can be created and edited in the Network Shares menu.

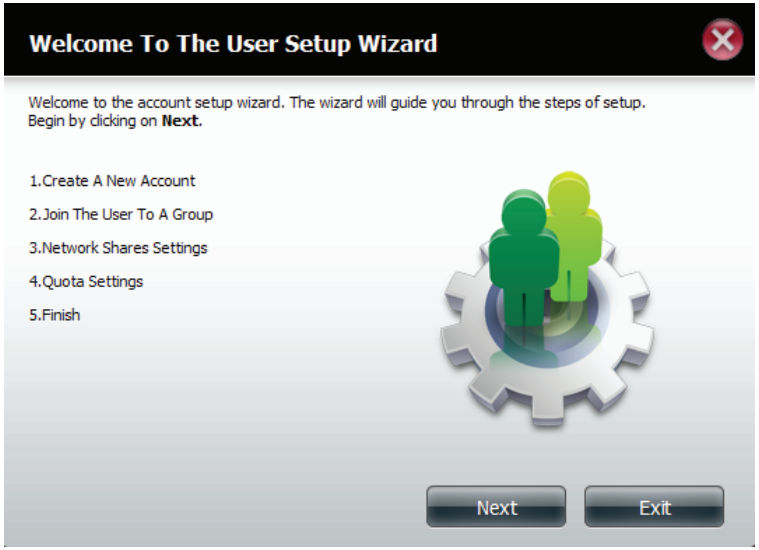
Click **Management** > **Account Management**.



Under **Users/Groups**, **User Settings** click **New**.

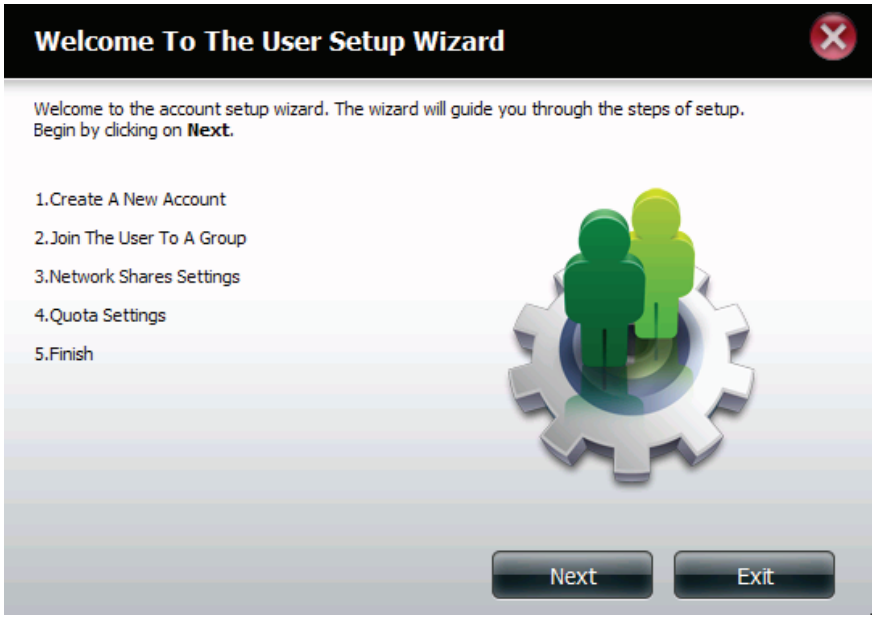
The **User Setup Wizard** will appear.

Click **Next** to continue.



Adding New Users Wizard

The following section will describe how to add a new user on this device. To add a user click on the **New** button. A easy to configure wizard will be launched and look like the following:

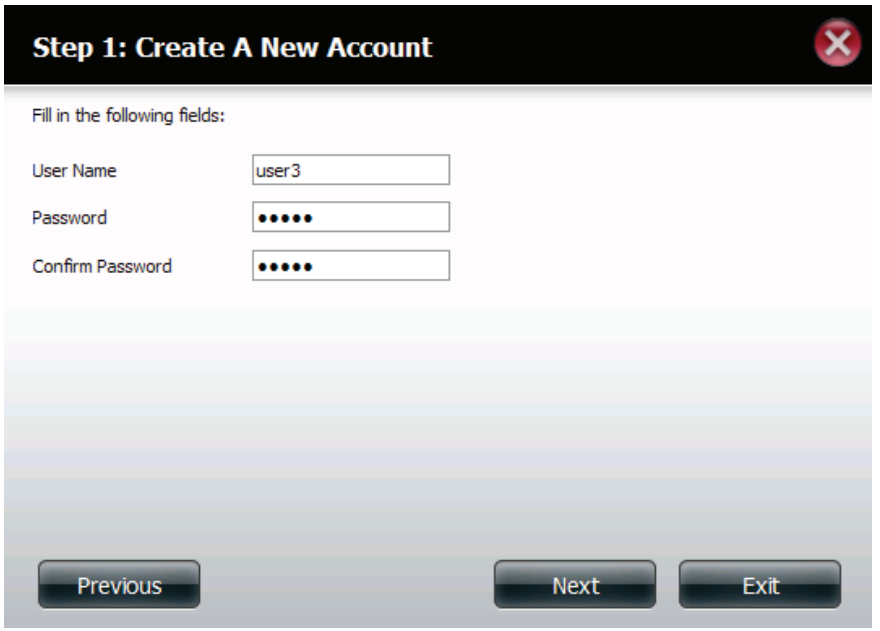


This window welcomes the user to the setup wizard for adding or modifying a user. This wizard will guide the user through the steps of setup.

In this wizard the user will be able to:

1) Create a new user account.
2) Join a group.
3) Configure the appropriate network shares settings.
4) Configure the user quota.
5) View a summary of the configuration before completing the addition.

Click on the **Next** button to continue.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

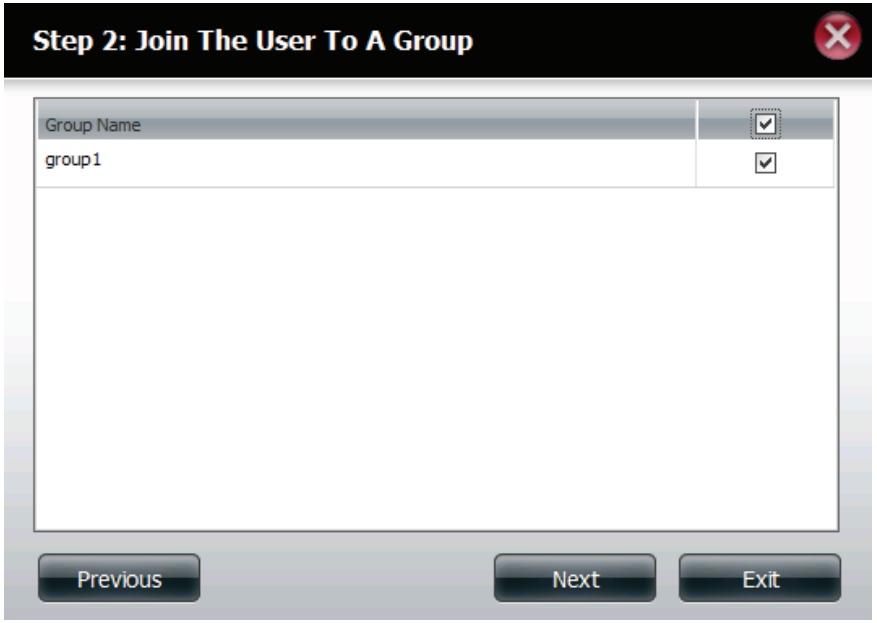


Step 1: Here you can enter the User Name and Password for the new user account. The password needs to be confirmed by re-entering the password in the Confirm Password field.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

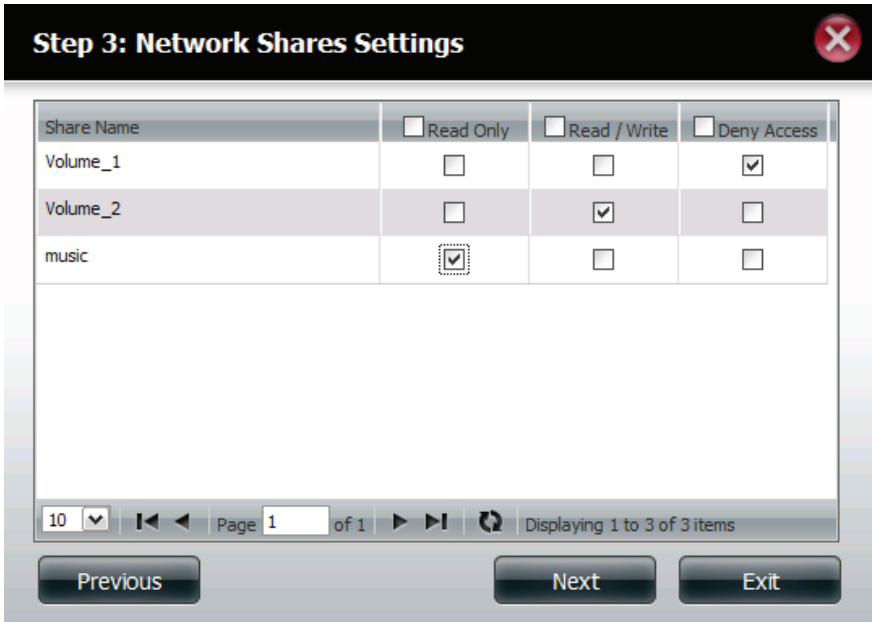
Step 2: Here you can add this user account to a group. Select the appropriate Group Name by clicking the check box.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 3: Here the user can configure the appropriate Network Access settings for the user by simply selecting one of the following options: **Read Only**, **Read/Write** or **Deny Access**.

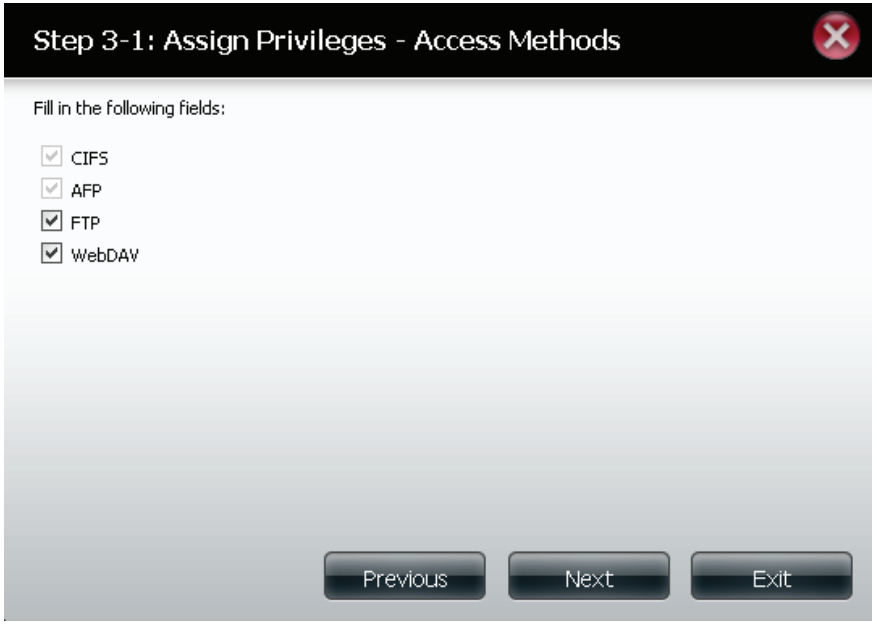
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 3-1: Here the user can configure the application privileges assigned to this user. Select either FTP or WebDAV. CIFs and AFP is set as default.

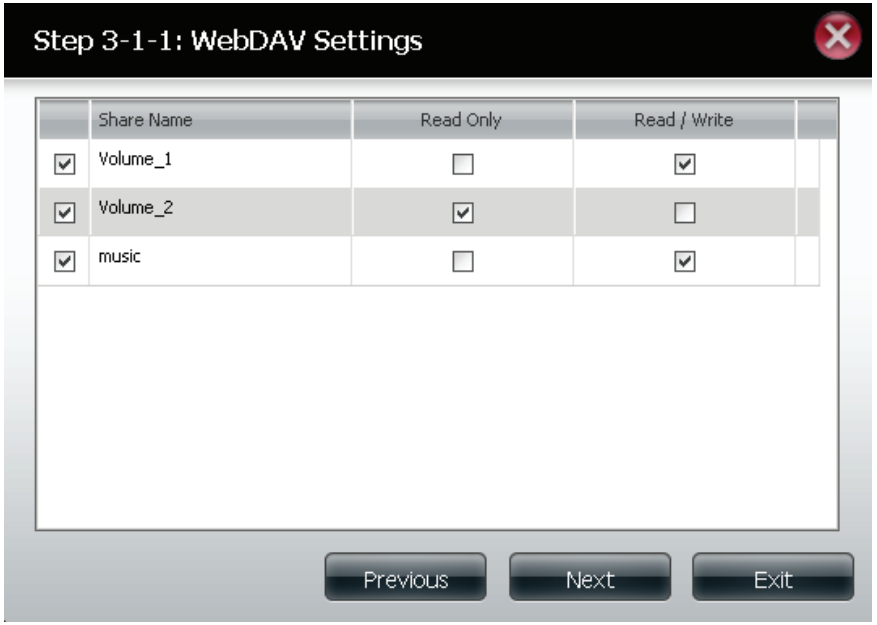
- **CIFS** is short for Common Internet File System.
- **AFP** is short for Apple Filing Protocol.
- **FTP** is short for File Transfer Protocol.
- **WebDAV** is short for Web-based Distribution, Authoring, and Versioning.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



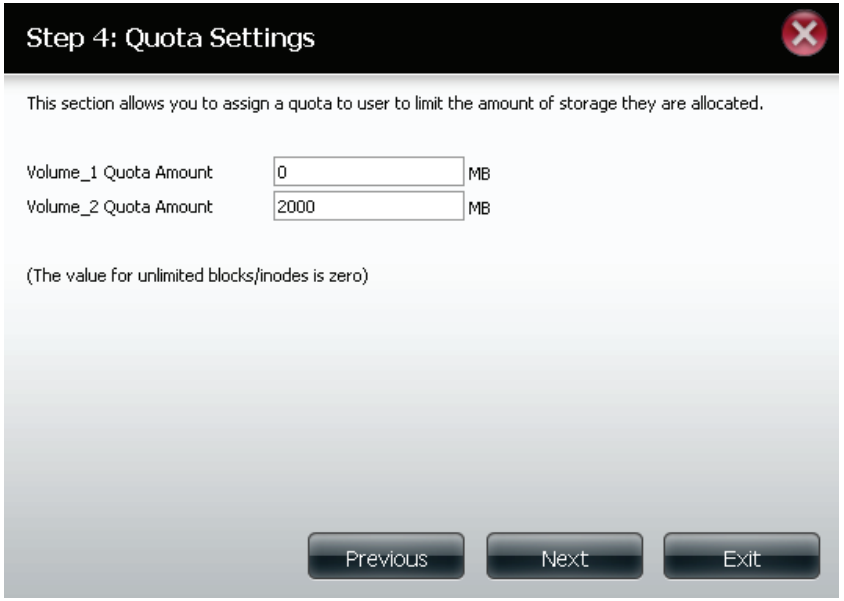
Step 3-1-1: Here the user can configure the WebDAV settings for the user account. Select the volumes the user can have WebDAV access to and then select whether to give **Read Only** or **Read/Write** access.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 4: Here you can configure the Quotas settings for the user account. Enter the quota amount in the block(s) indicated in Megabytes. By entering 0Mb the quota will be set to unlimited.

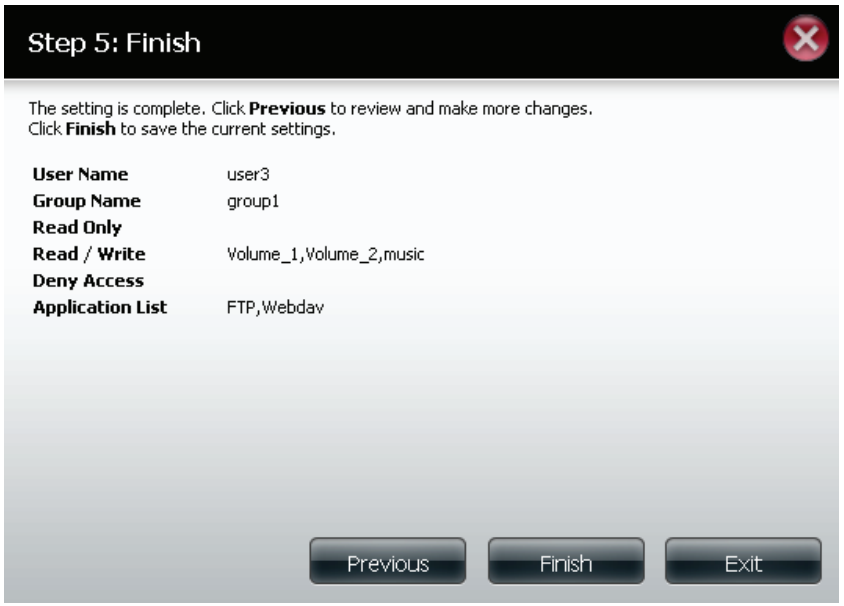
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 5: Here you can confirm to create the new account.

Click on the **Previous** button to return to the previous window.
Click on the **Finish** button to accept the change and complete the wizard.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

After the new account has been created, a window will appear that states the account was created successfully. Click on the **OK** button to continue.

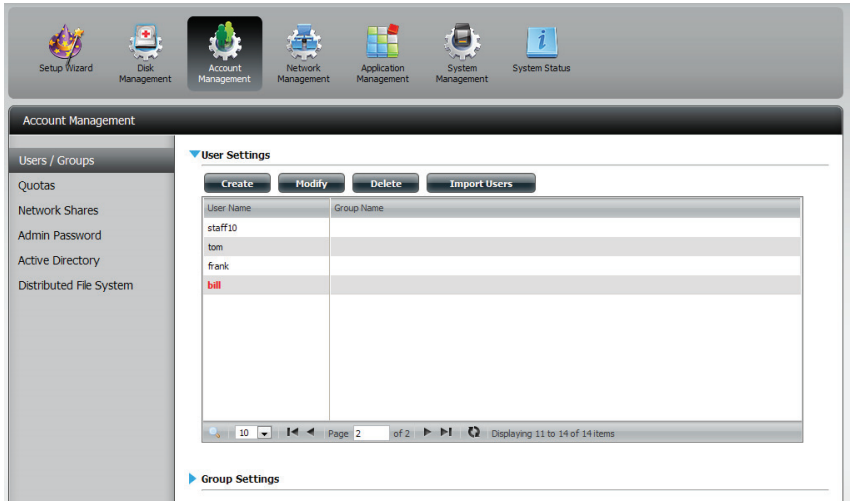


Step 6: A final message appears indicating the user is successfully added to the ShareCenter™ configuration..

Modifying Users

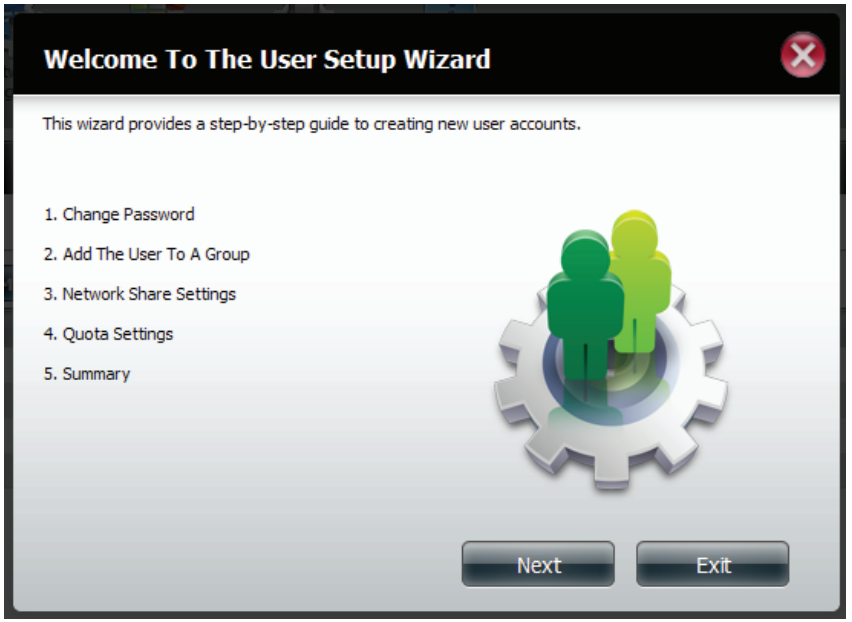
Click the user you wish to modify. The user will be highlighted in red.

Click **Modify** to continue.



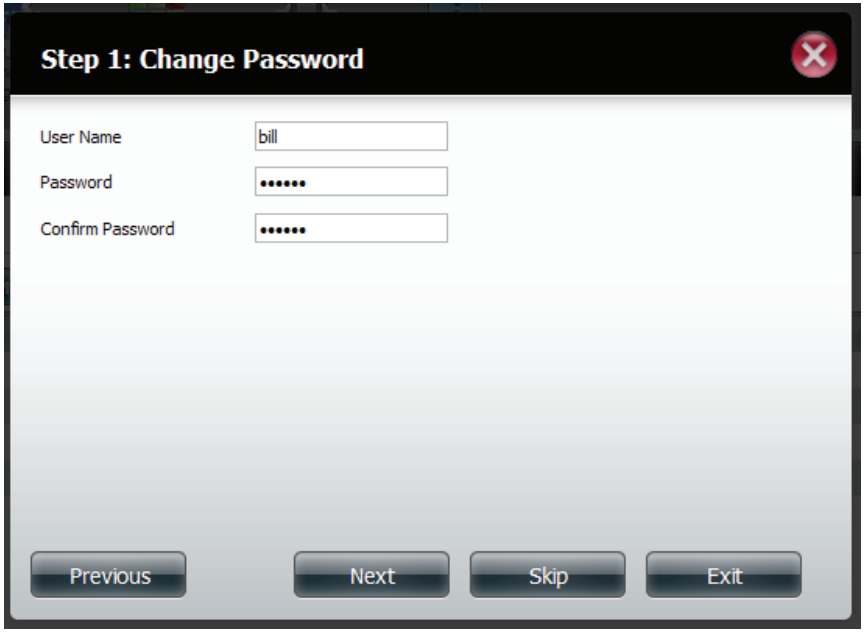
The **User Setup Wizard** will appear.

Click **Next** to continue.



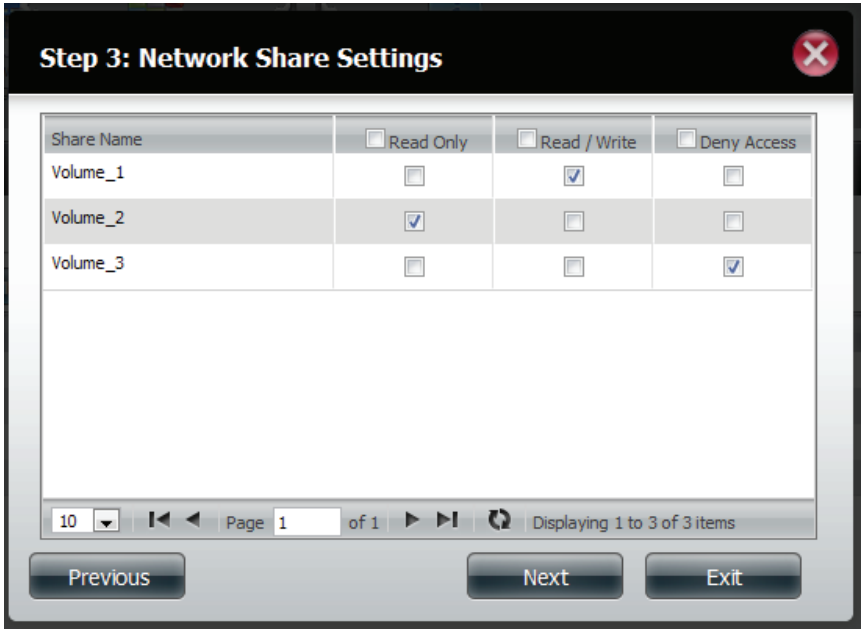
Change the username or password.

Click **Next** to continue.

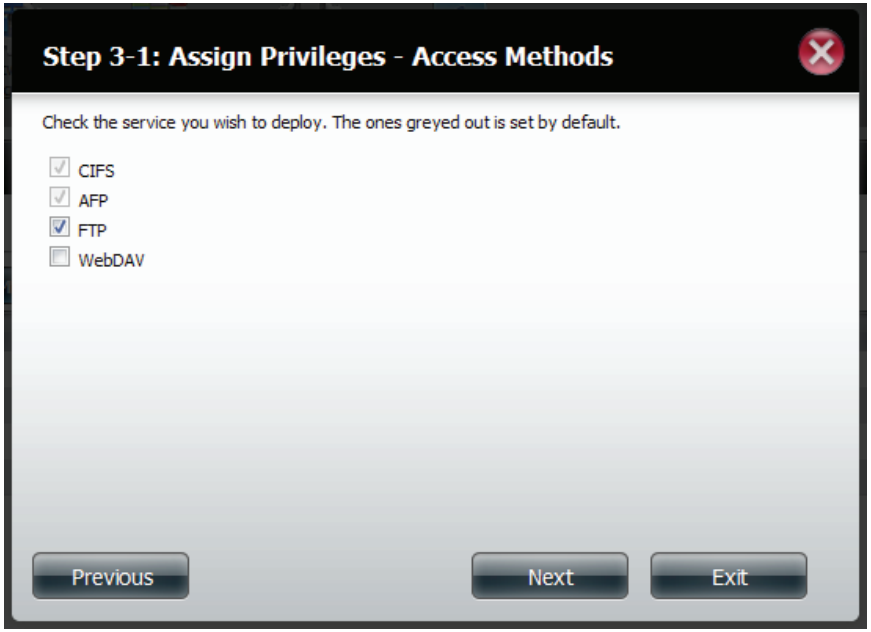


Change the **Network Share Settings** accordingly.

Click **Next** to continue.

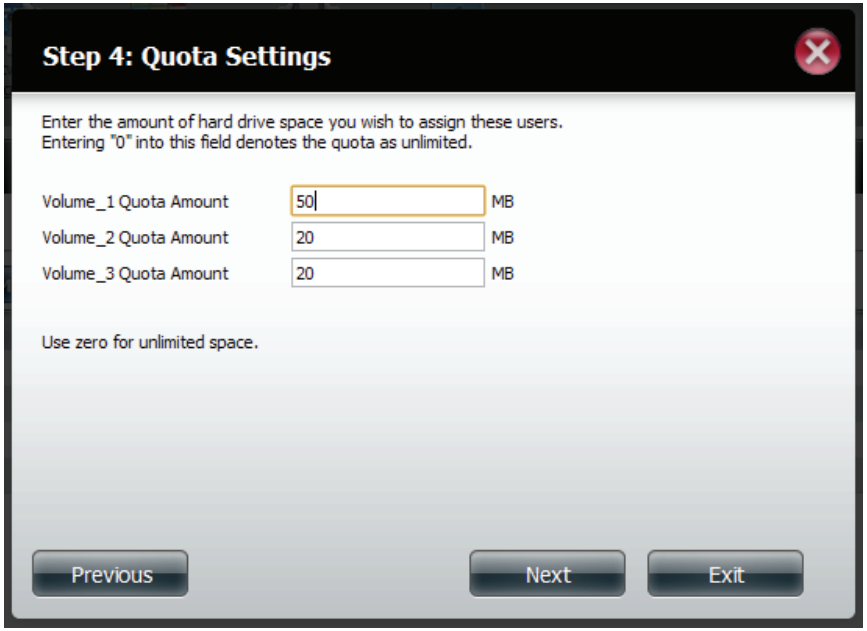


Reassign **Privileges/Access Methods** for the user(s). Check the options you want and then click **Next** to continue.



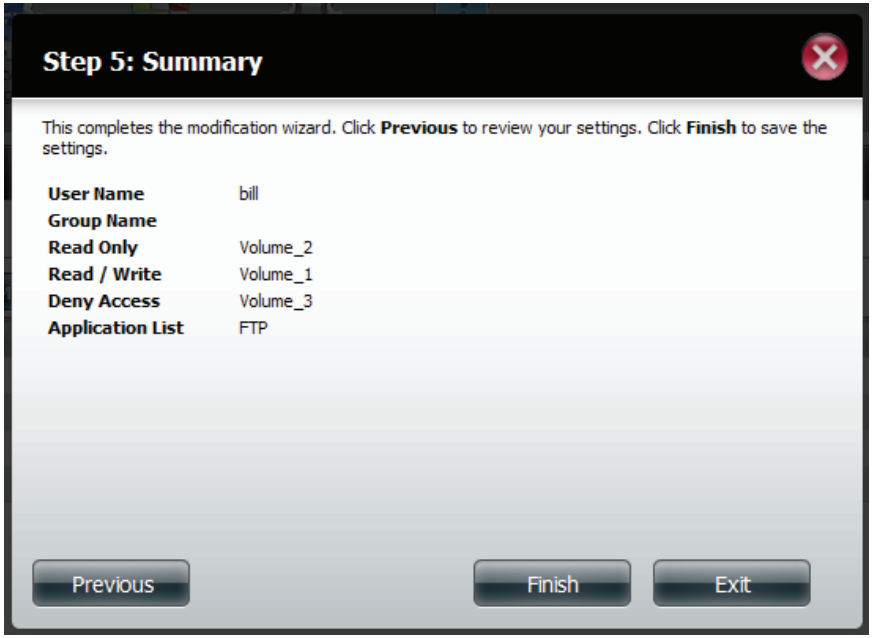
Enter the re-assigned amount of disk space you wish to assign the user on each volume. Type 0 to provide unlimited disk space to the user.

Click **Next** to continue.



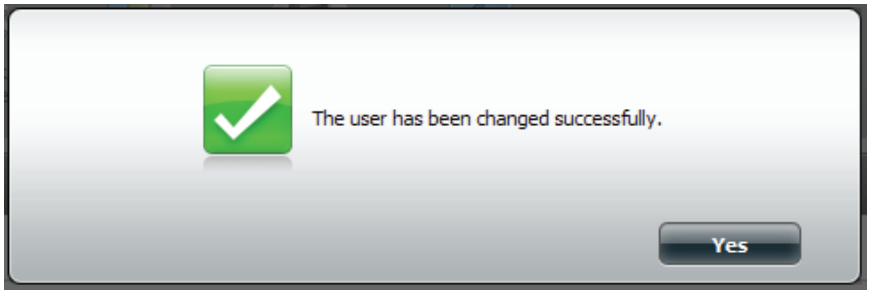
The final step is a summary of all the configurations you made.

Click **Finish** to accept the changes or **Exit** to cancel the changes.



A message will appear stating the user details have been changed successfully.

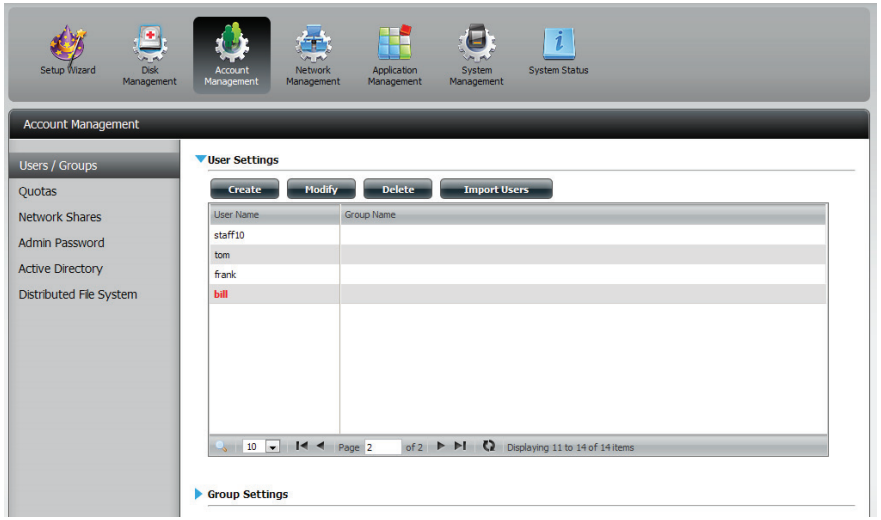
Click **Yes** to exit the wizard.



Deleting Users

Click the user you wish to delete. The user will be highlighted in red.

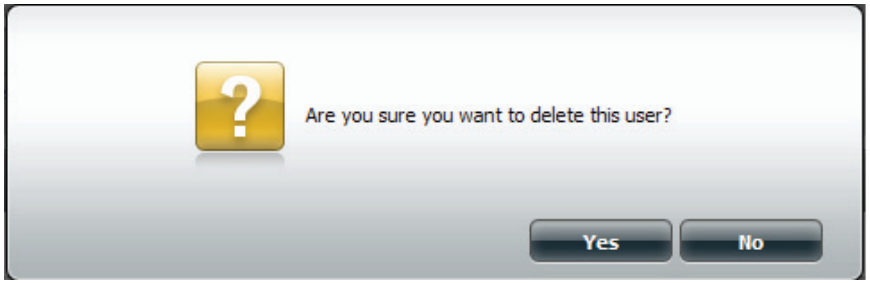
Click **Delete** to continue.



A message will appear prompting you to confirm deleting the user.

Click **Yes** to confirm.

The user is now automatically removed from the list.



Adding New Groups Wizard

The following section will describe how to add a new group on this device. To add a group click on the **New** button. A wizard will be launched:

This window welcomes the user to the setup wizard for adding or modifying a group. This wizard will guide the user through the steps of setup.

In this wizard the user will be able to:

1) Create a new group.
2) Add a user to a group.
3) Configure the appropriate network shares settings.
4) Configure the quota settings.
5) View a summary of the configuration before completing the addition.

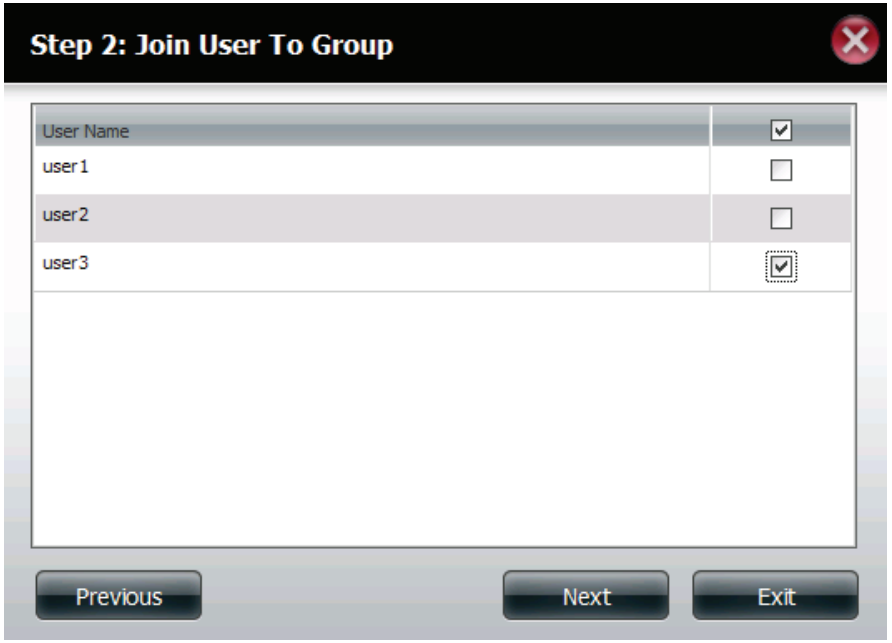
Click on the **Next** button to continue.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

Step 1: Enter the name for your new group.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

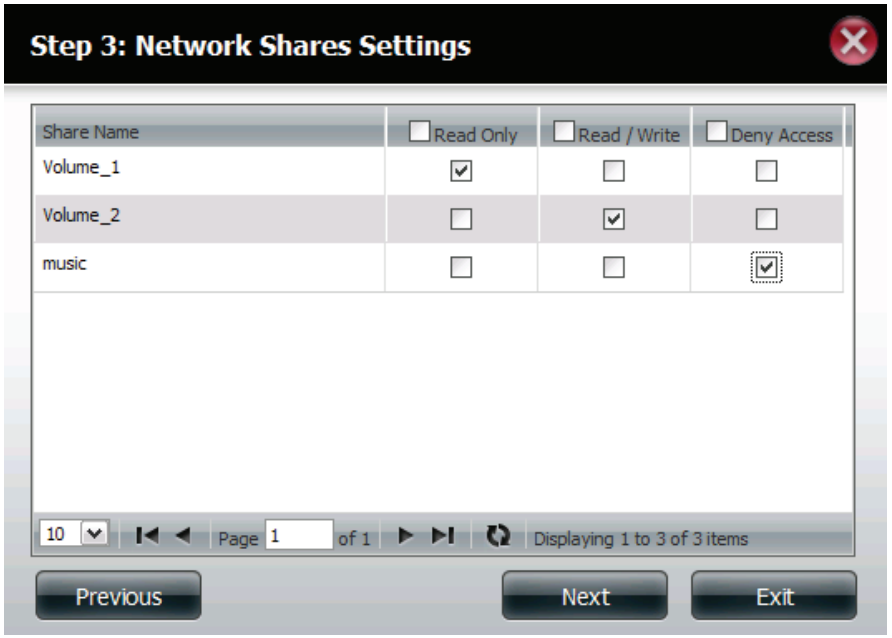
Step 2: Select the users you would like to add to your new group by checking the box.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 3: Assign the appropriate Network Access settings for this group by simply clicking one of the following options: **Read Only**, **Read Write** or **Deny Access**.

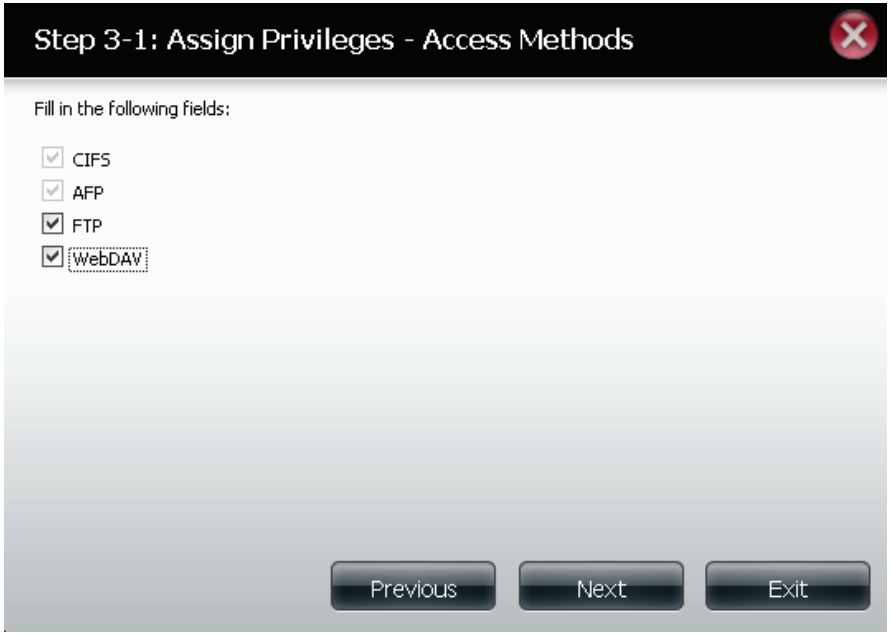
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 3-1: Select the application privileges assigned to this group. Options to select are FTP or WebDAV. CIFS and AFP is set as default.

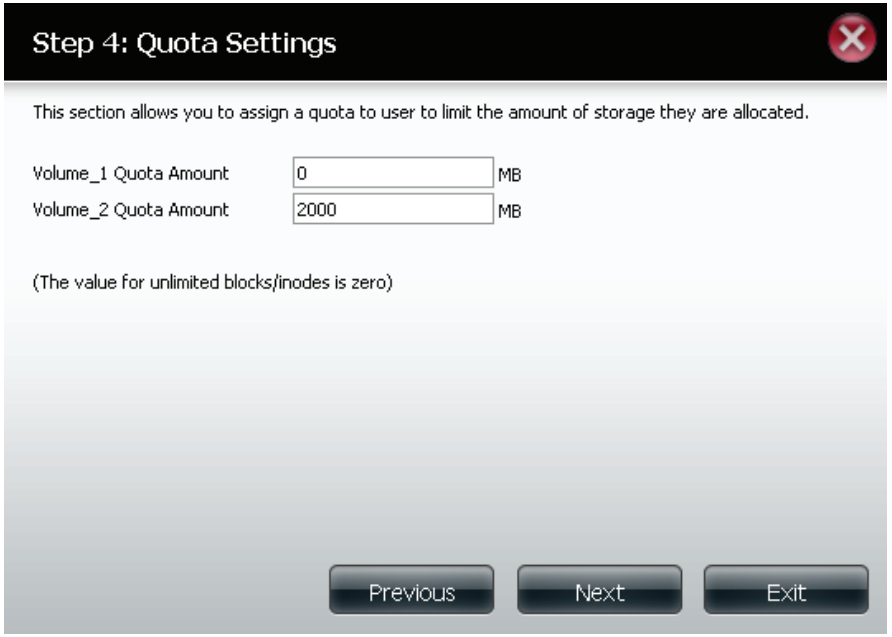
- **CIFS** is short for Common Internet File System.
- **AFP** is short for Apple Filing Protocol.
- **FTP** is short for File Transfer Protocol.
- **WebDAV** is short for Web-based Distribution, Authoring, and Versioning.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



Step 4: Configure the Quotas settings for this group. Enter the quota amount in the block indicated in Megabytes. By entering 0Mb the quota will be set to unlimited.

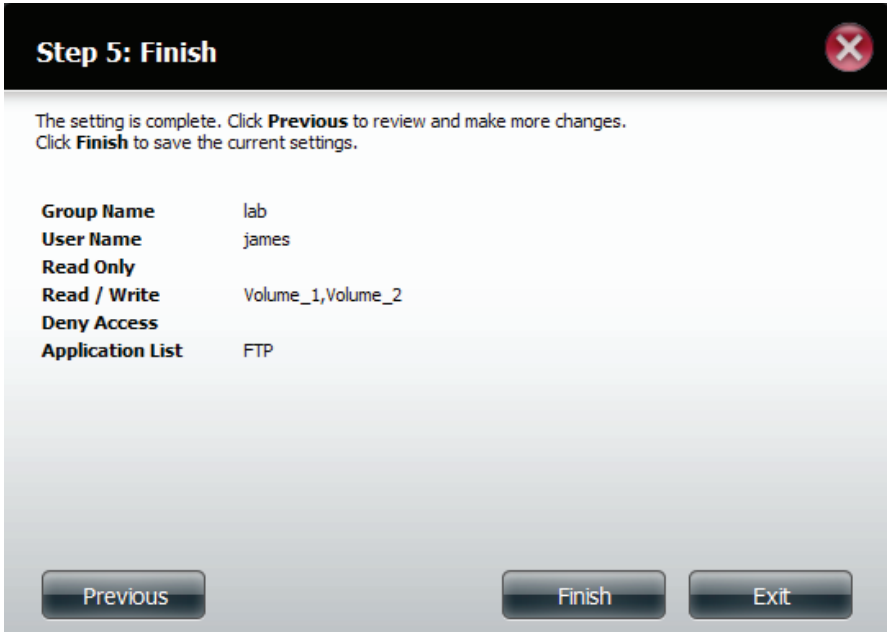
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the User/Group window.



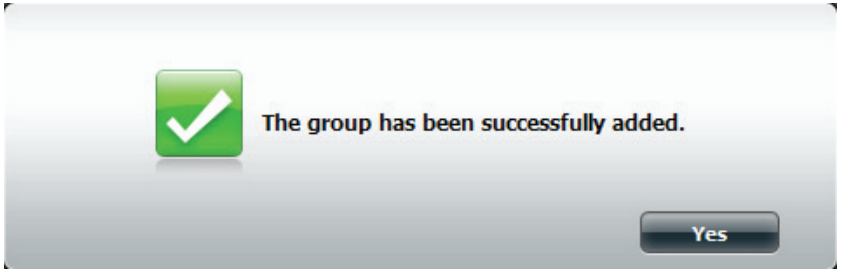
Step 5: Verify the settings and click **Finish**.

Click on the **Previous** button to return to the previous window.
Click on the **Finish** button to accept the change and completed the wizard.
Click on the **Exit** button to discard the changes made and return to the User/Group window.

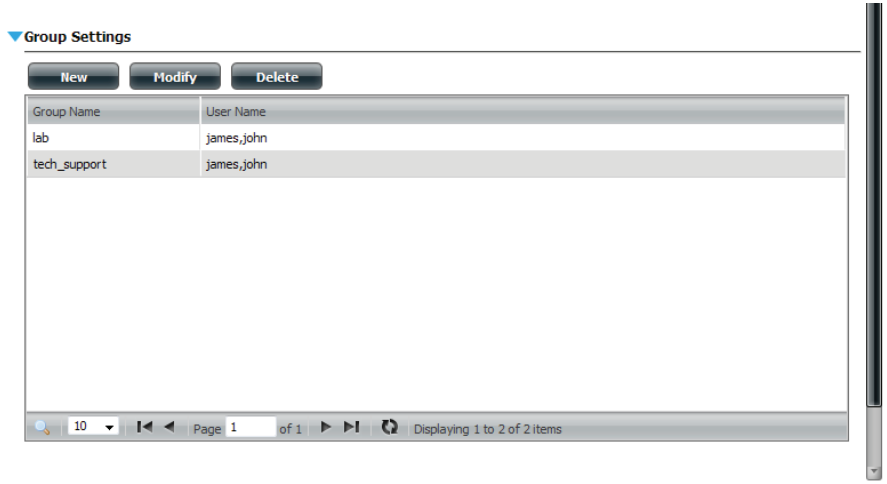
After the new group has been created, a window will appear that states the group was created successfully. Click on the **OK** button to continue.



Success: A final message appears indicating the group was created successfully and added to the ShareCenter™ configuration.



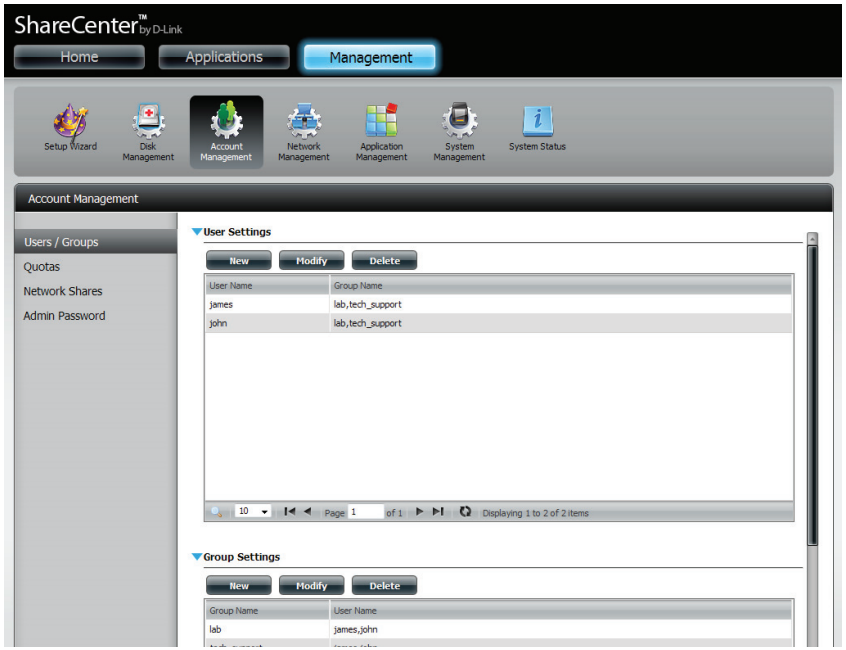
Once you have clicked Yes, the wizard returns you to the group settings information table. Check to see if your new group is added.



Modifying a Group

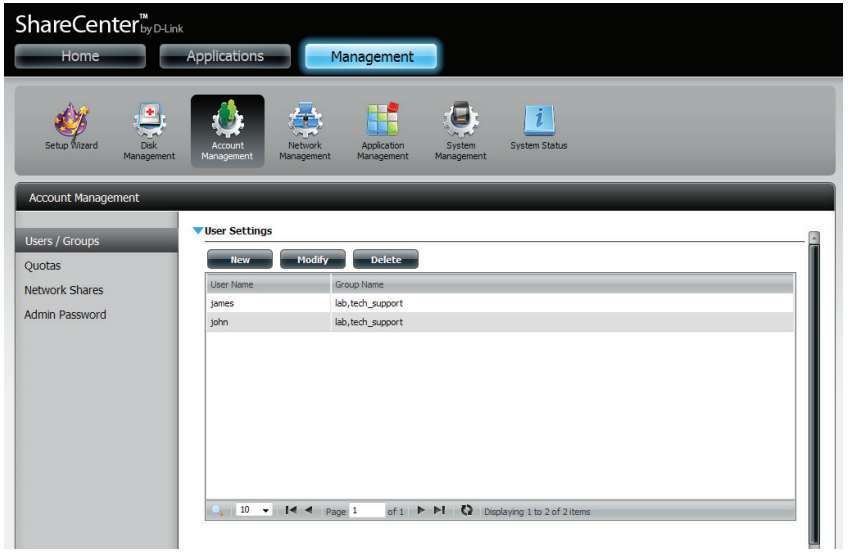
Click **Account Management** > **Users/Groups**.

Click the blue arrow and the **Group Settings** table will appear.



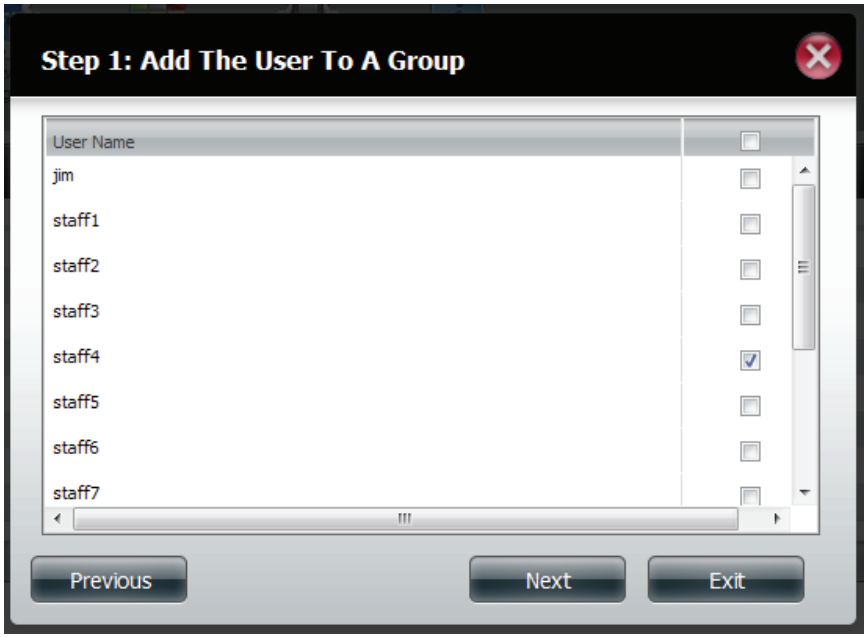
Select the group you want to modify. Your selection will turn red.

Click **Modify** to change the settings for the **Group**.

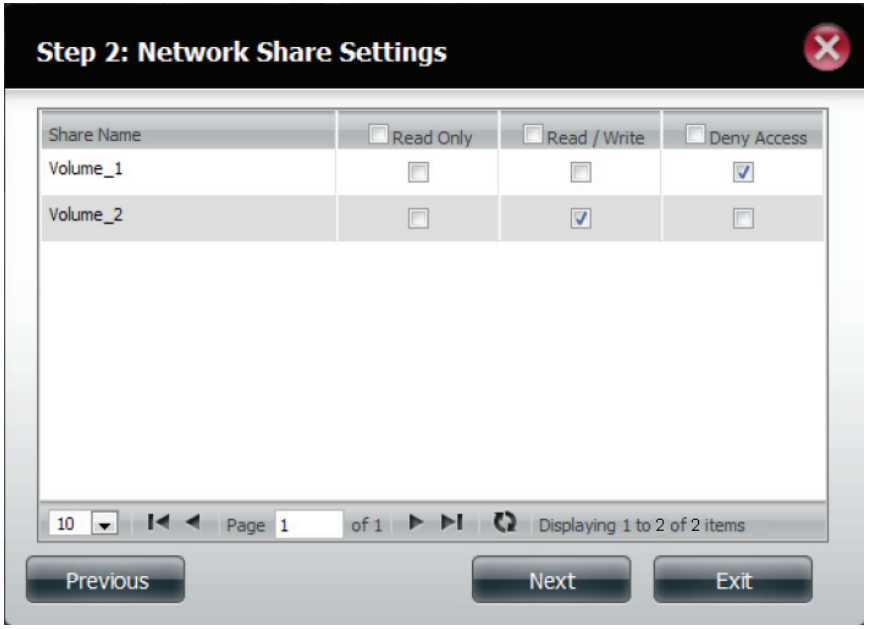


The **Group Setup Wizard** will now start. Click **Next** to continue.

Make the necessary modifications to the **group(s)** and then click **Next** to continue.



Select the appropriate **Network Share Settings** (read, read/write, deny access) for the corresponding disk volume for the group. Click **Next** to continue.

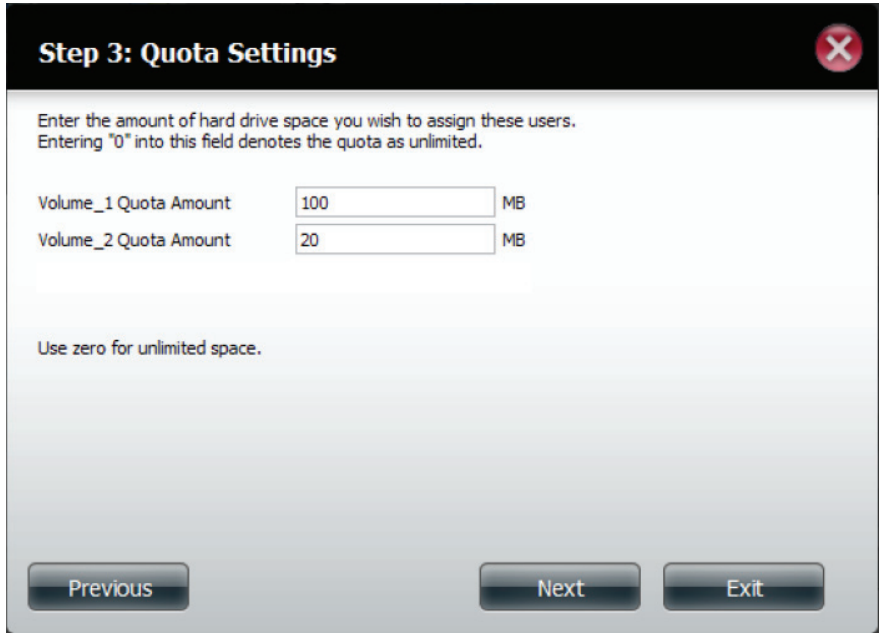


Select the appropriate **Assigned Privileges** to the group. The greyed out selections are there by default and cannot be modified.

Click **Next** to continue.

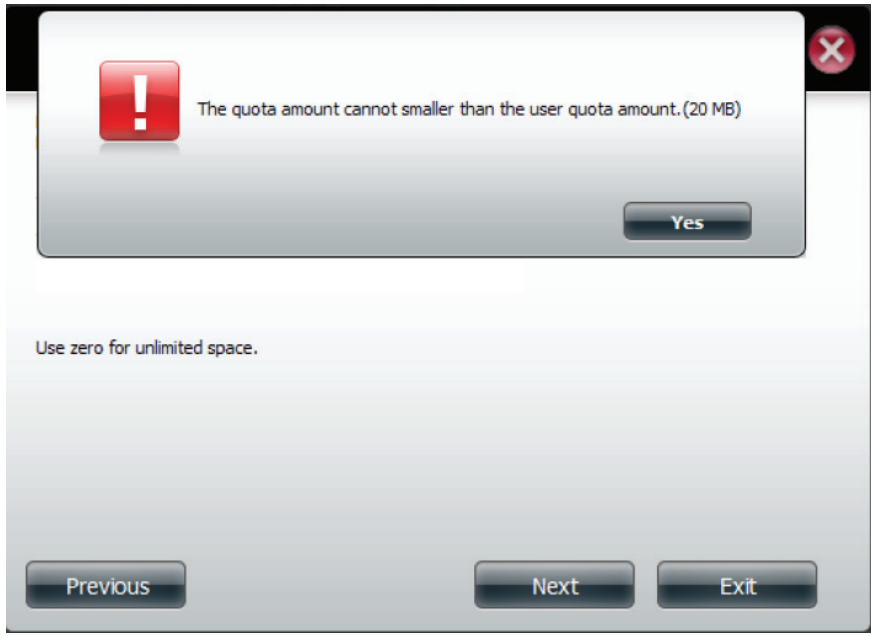
Edit the amount of space you want to assign to the group for each volume. Enter zero to give unlimited disk space to the group.

Click **Next** to continue.



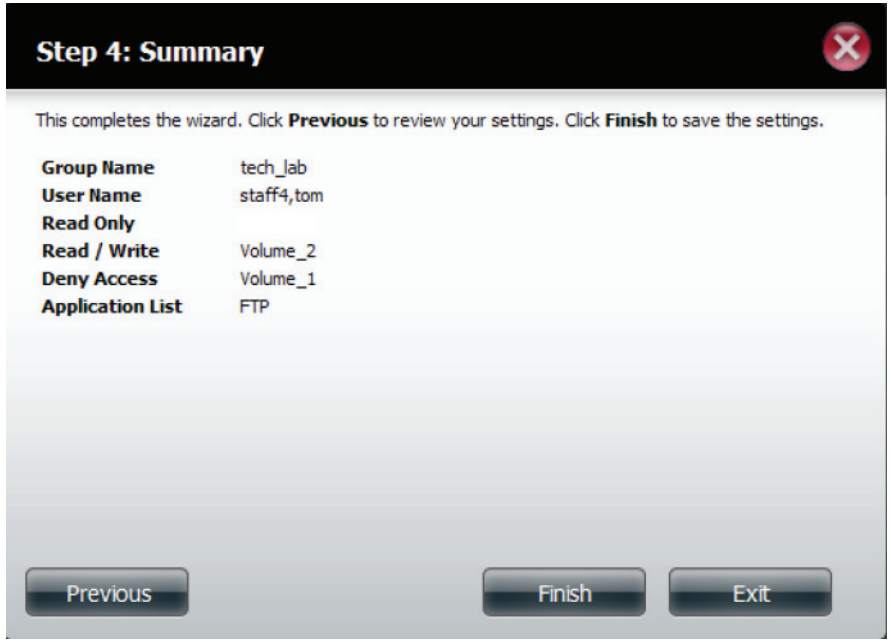
When editing the quota, make sure the size is not smaller than the user quota on his/her account.

Click **Yes** to change the quota.



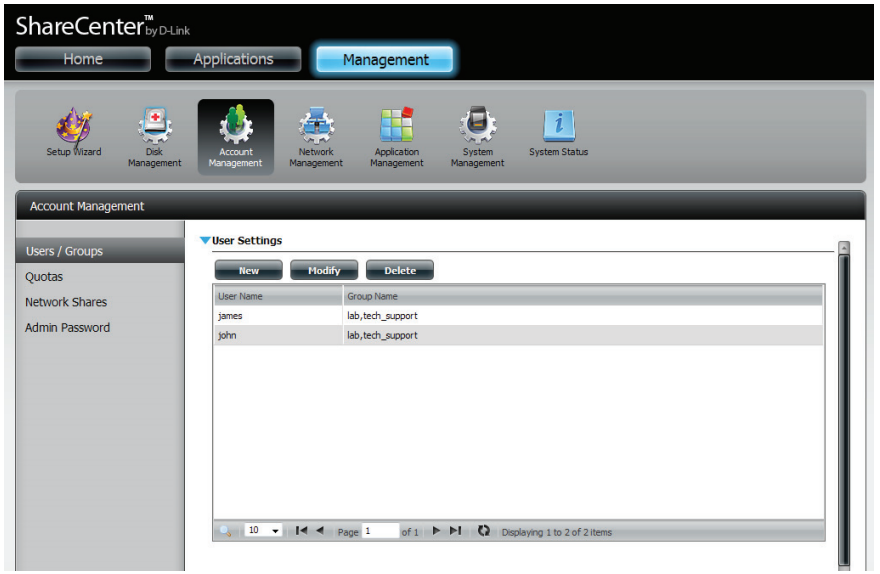
The wizard is now complete and will show a summary of the group you edited.

Click **Previous** to change your settings or **Finish** to end the wizard. **Exit** will cancel all changes you made.



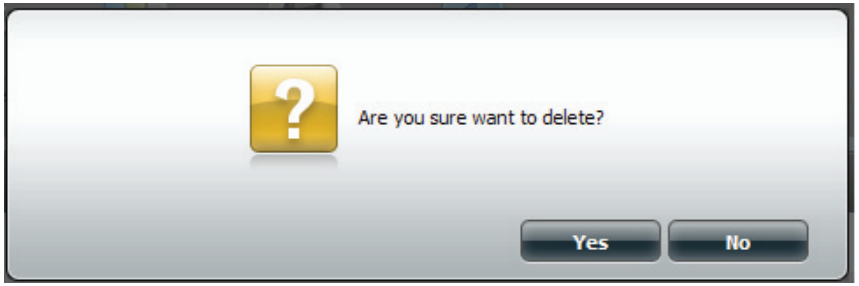
Deleting a Group

Select the **Group** you want to delete and click **Delete.**



A warning message will appear asking you to verify if you want to delete the **Group**.

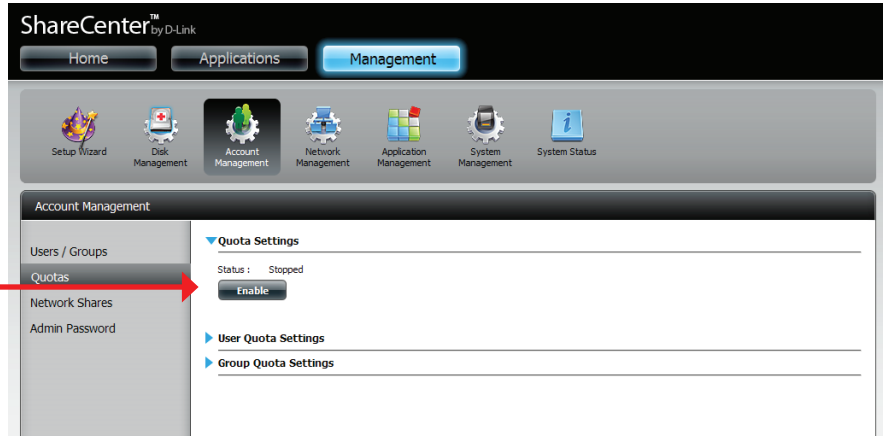
Click **Yes** to delete the Group or **No** to cancel your decision.



Quotas

The ShareCenter™ supports storage quotas for both groups and individual users. Assigning a quota to a group or user will limit the amount of storage they are allocated. By default, users and groups do not have a quota.

Click the **Enabled** button to enforce the quotas that are set in the Users / Groups management or the tables below.



In the User Quota Settings table you can view the current user usage and limit setting. Click on the blue font to set usage limits.

User Quota Settings

No.	User Name	Volume_1		Volume_2	
		Used	Limit	Used	Limit
1	user1	0 MB	Unlimited	0 MB	Unlimited
2	user2	0 MB	Unlimited	0 MB	Unlimited
3	user3	0 MB	Unlimited	0 MB	2000 MB

Page: 1 Page: 1/1,Total Records:3

In the Group Quota Settings table you can view the current group usage and limit setting. Click on the blue font to set the limit.

Group Quota Settings

No.	Group Name	Volume_1		Volume_2	
		Used	Limit	Used	Limit
1	group1	0 MB	Unlimited	0 MB	Unlimited
2	group2	0 MB	1000 MB	0 MB	2000 MB

Network Shares

The Network Shares page allows the user to configure shared folders and rights to specific users and groups. To be able to create new network access rules, the default rule must first be removed by simply selecting it and clicking on the **Delete** button. You can also mount .iso files in the ISO Mount Shares Setting. If a user has access to a mounted .iso file then that user will be able to read all the files within it.

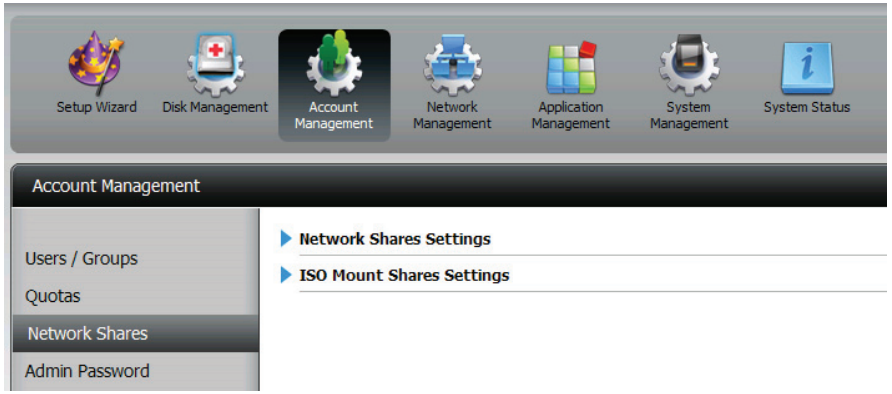
Network Shares: / ISO Mount Shares: The Network Shares Settings window allows you to add, modify and remove both new and existing Network Share and ISO Mount Share Settings.

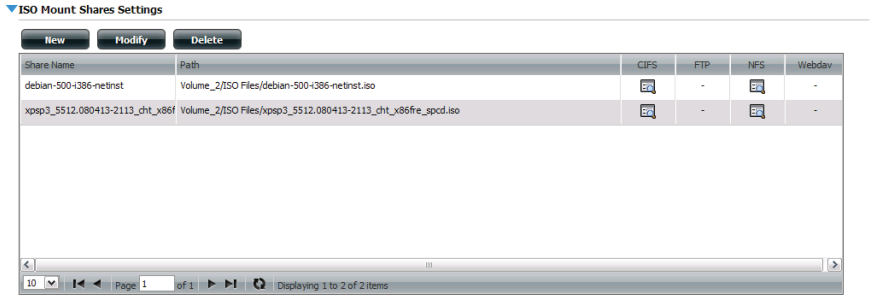
To add a rule click on the **New** button. To modify an existing rule click on the **Modify** button. To remove a rule click on the **Delete** button.

To select a rule, simply click on the rule and the entry should change to red.

At the bottom of the table the user can navigate through pages and also refresh the window by click on the **Refresh** button.

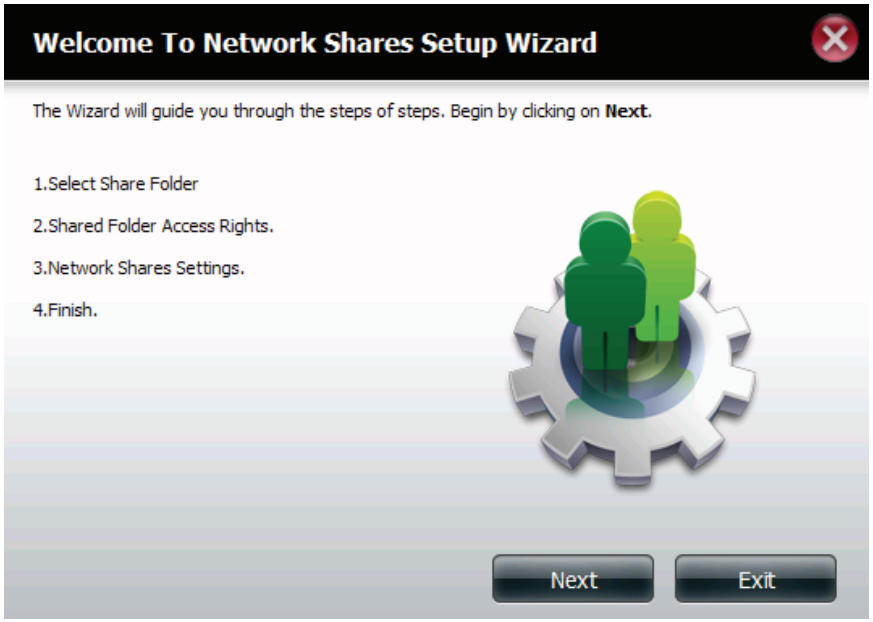
If at any point the user wants to reset the network access list to the default configuration, click on the **Reset Network Shares** button.





Adding New Network Shares Wizard

The following section will describe how to add a new Network Share on the ShareCenter™. To add a Network Share click on the **Add** button. A easy to configure wizard will be launched and look like the following:

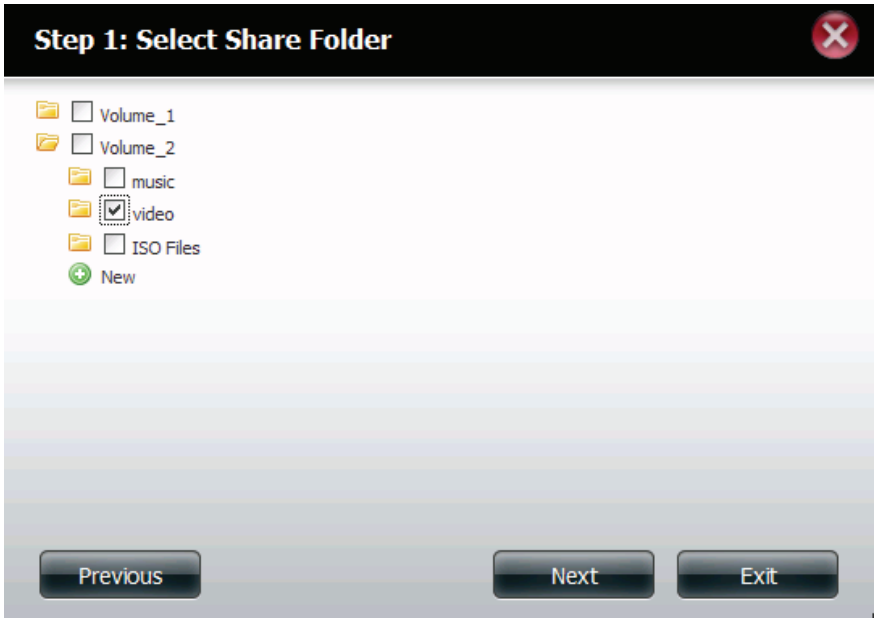


Start: This window welcomes the user to the setup wizard for adding or modifying a network share.

In this wizard the user will be able to:

1) Select share folders.
2) Configure shared folder access rights.
3) Configure network access settings.
4) View a summary of the configuration before completing.

Click on the **Next** button to continue.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

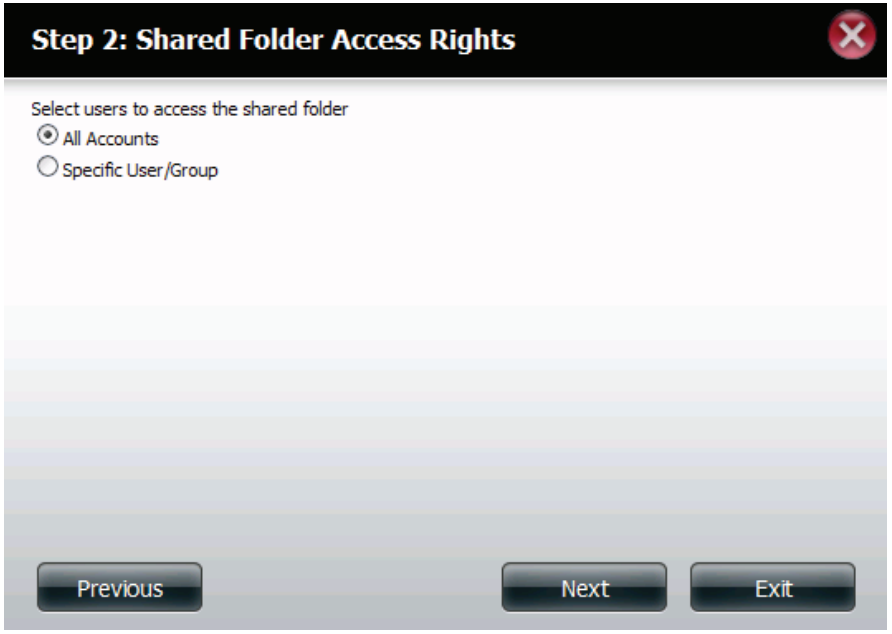


Step 1: Select the folder you want to include in this network share by checking the box.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

Step 2: Select which user accounts or group are allowed to access this folder(s). Select **All Account** to allow all accounts access to this folder. Select **Specific User/Group** to only allow certain users or groups access to this folder.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

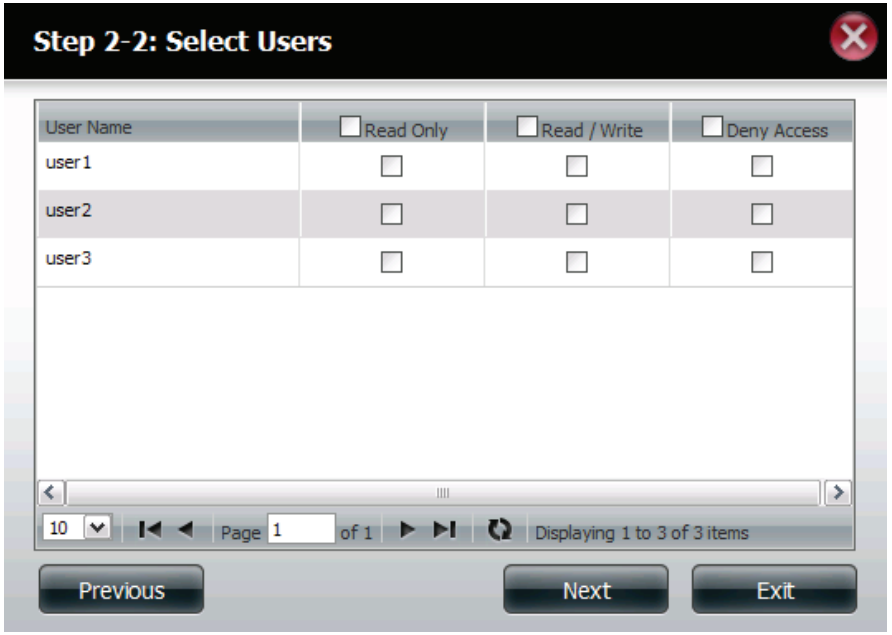


Step 2-1: Select the appropriate access rights for the share. Options to choose from are **Read Only**, **Read Write** and **Deny Access**. This procedure can also be used to block certain users from accessing certain folders.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

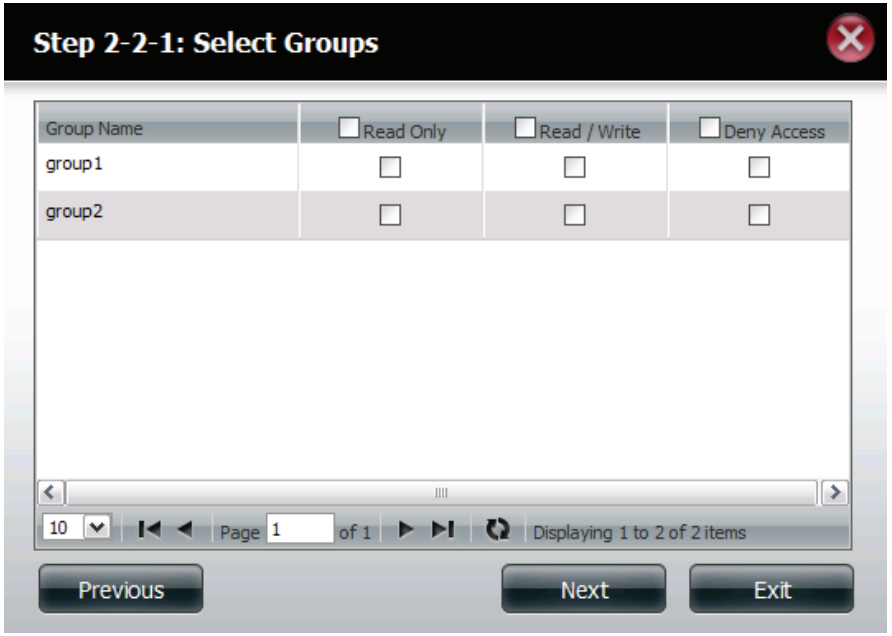
Step 2-2: If you select **Specific User/Group** in Step 2, then this step allows you to set the access rights for each **User** configured on the device.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

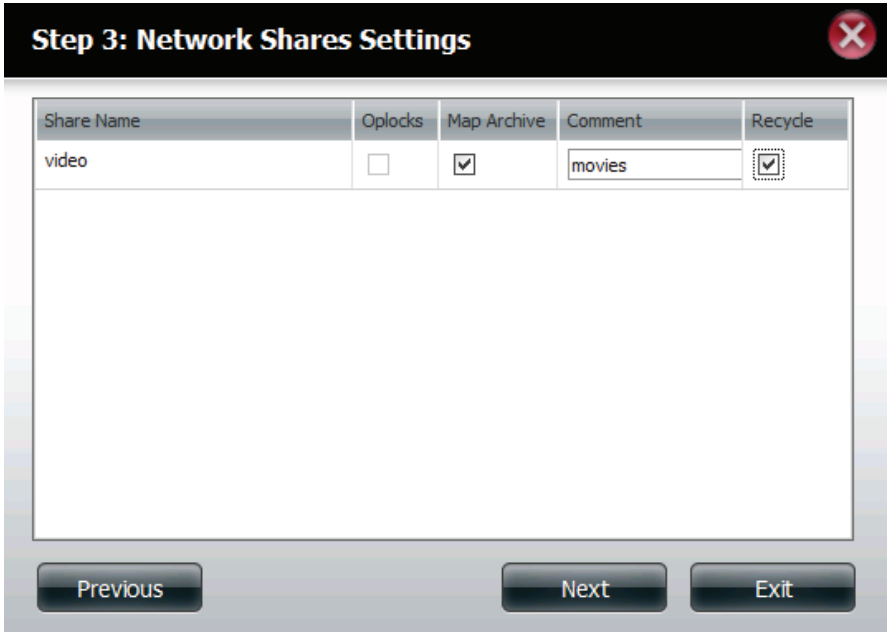


Step 2-2-1: If you select **Specific User/Group** in Step 2 then this step allows you to set the access rights for each **Group** configured on the device.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



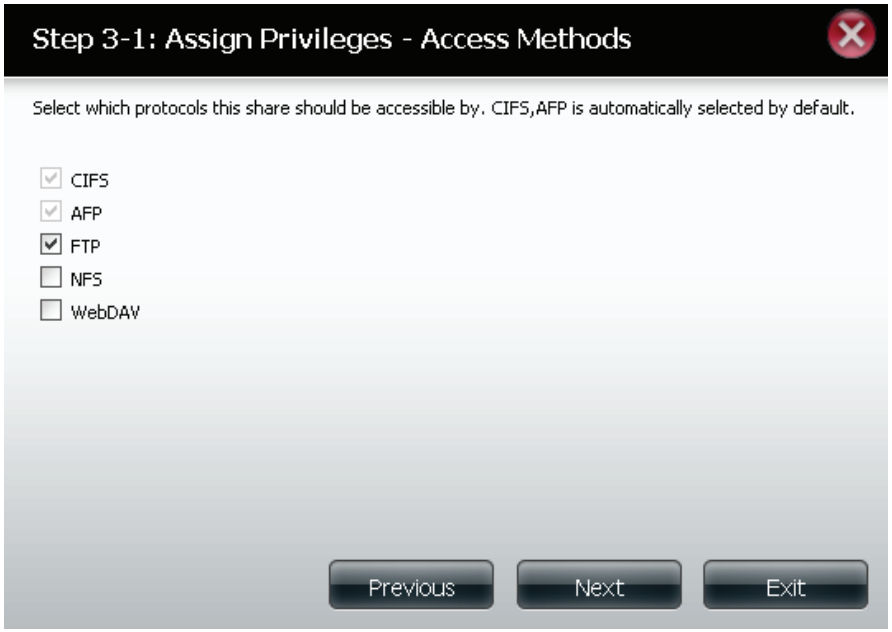
Step 3: This step allows you to assign privileges to this share. Opportunistic locks (oplocks) are a characteristic of the LAN Manager networking protocol implemented in the 32bit Windows family. Oplocks are guarantees made by a server for a shared logical volume to its clients. These guarantees inform the Client that a file's content will not be allowed to be changed by the server, or if some change is imminent, the client will be notified before the change is allowed to proceed. Oplocks are designed to increase network performance when it comes to network file sharing. However it is recommended to set the share oplocks to No (off) when using file-based database applications. When enabled, the file attribute "Map Archive" will be copied as the file is being stored on the device.



Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

Step 3-1: Assign protocol privileges that a user can use to access this share. Options to choose from are FTP, NFS and WebDAV. CIFS and AFP are set as default.

- **CIFS** is short for Common Internet File System.
- **AFP** is short for Apple Filing Protocol.
- **FTP** is short for File Transfer Protocol.
- **NFS** is short for Network File System.
- **WebDAV** is short for Web-based Distributed Authoring and Versioning.

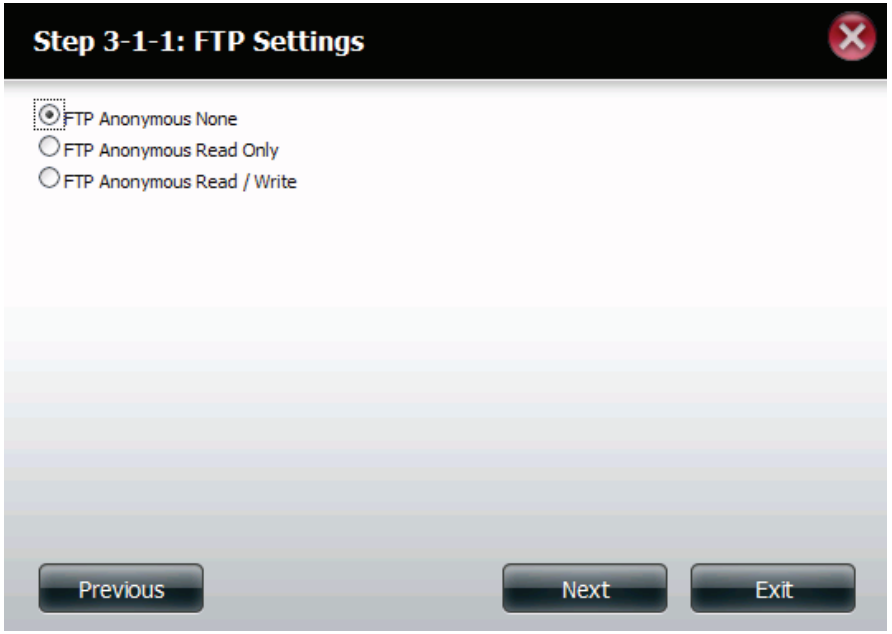


Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

Step 3-1-1: Select the FTP settings for this share. FTP access can be:

1) FTP Anonymous None (No Access).
2) FTP Anonymous Read Only (Limited Access).
3) FTP Anonymous Read/Write (Full Access).

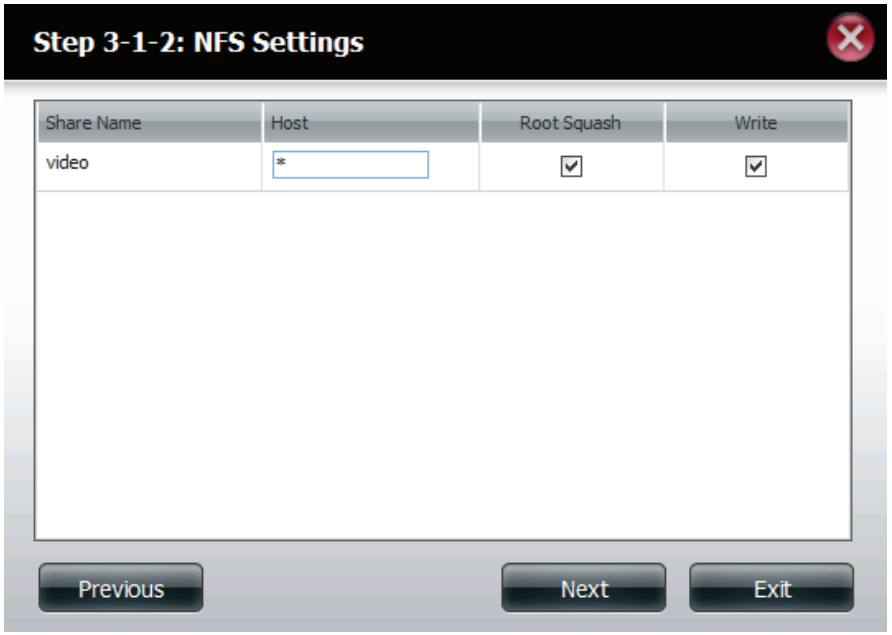
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



Step 3-1-2: If you selected **NFS** as an access method to your network share then set the parameters below:

- **Host** - Allowable host address that can access using NFS (* indicates all hosts).
- **Root Squash** - Disables writing to the Root owned directories and files on the system when the user has root access privileges.
- **Write** - provide write permission to the file system.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

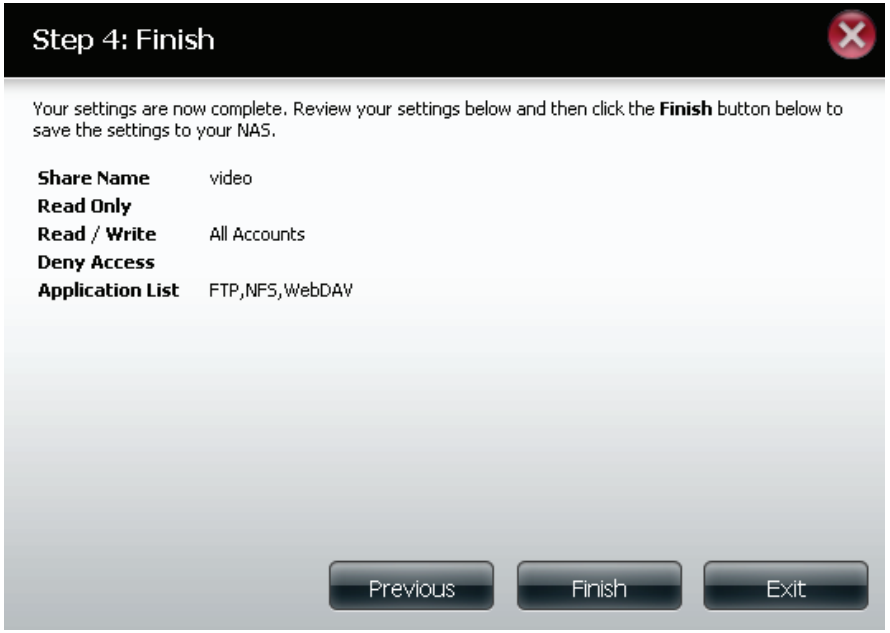


Step 3-1-3: If you selected **WebDAV** as an access method in Step 3 then this step allows you to set the access parameters.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

Step 4: Click **Finish** to save your settings.

Click on the **Previous** button to return to the previous window.
Click on the **Finish** button to accept the change and complete the wizard.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

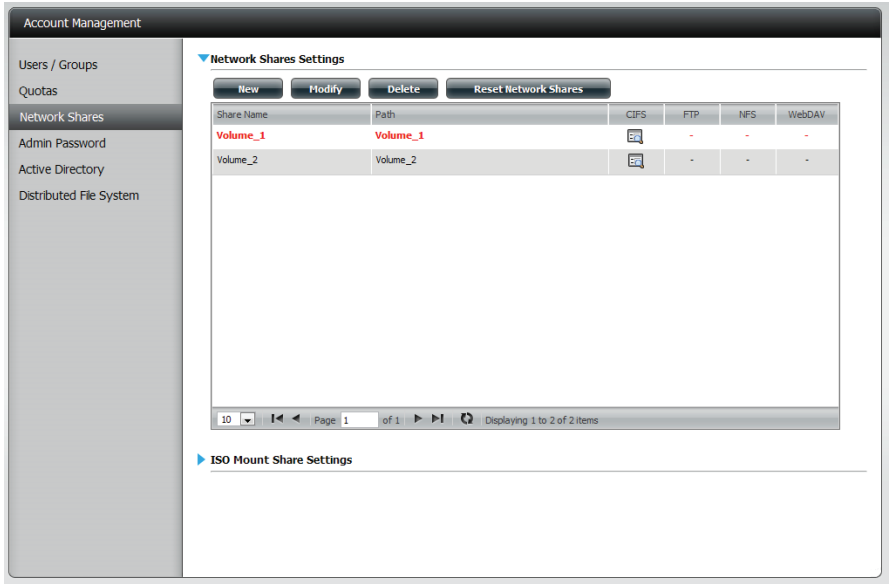


Note: When you use FTP or WebDav on your ShareCenter™, make sure you configure your router to forward port 20-21, and port 80 for WebDAV to the IP address of your ShareCenter™.

Deleting a Network Share

Select the **Network Share** you wish to delete. Your selection will turn red.

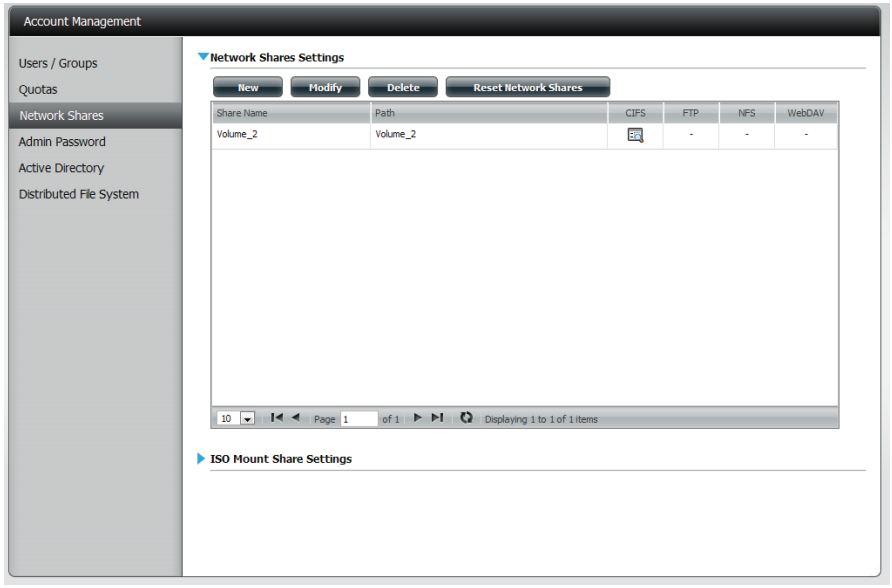
Click **Delete** to remove the share.



A warning message will appear prompting you to verify if you wish to delete the Share.

Click **Yes** to delete or **No** to Cancel.

The deleted **Share** will be removed from the **Network Share List**.

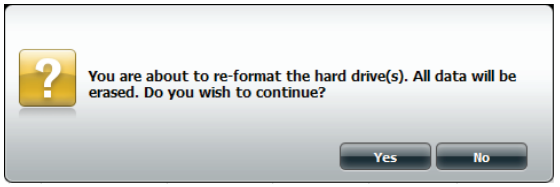


Resetting the Network Share

Select the **Reset Network Shares** button.

A warning message will prompt you to confirm your selection.

Click **Yes** to confirm or **No** to cancel.



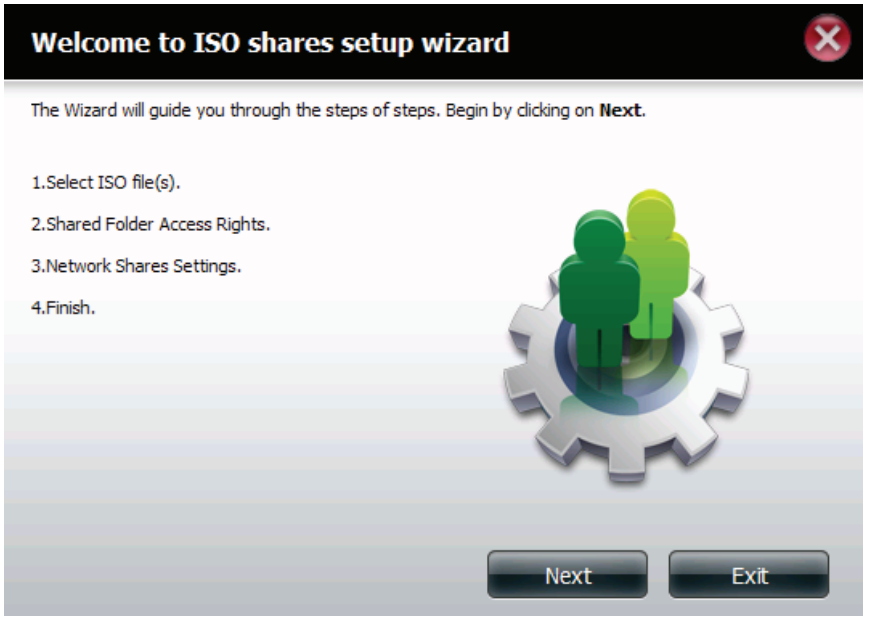
Adding New ISO Mount Shares Wizard

The following section will describe how to add a new ISO mount on the ShareCenter™ To add an ISO Mount, click on the New button. An easy to configure wizard will launch.

The wizard provides these options:

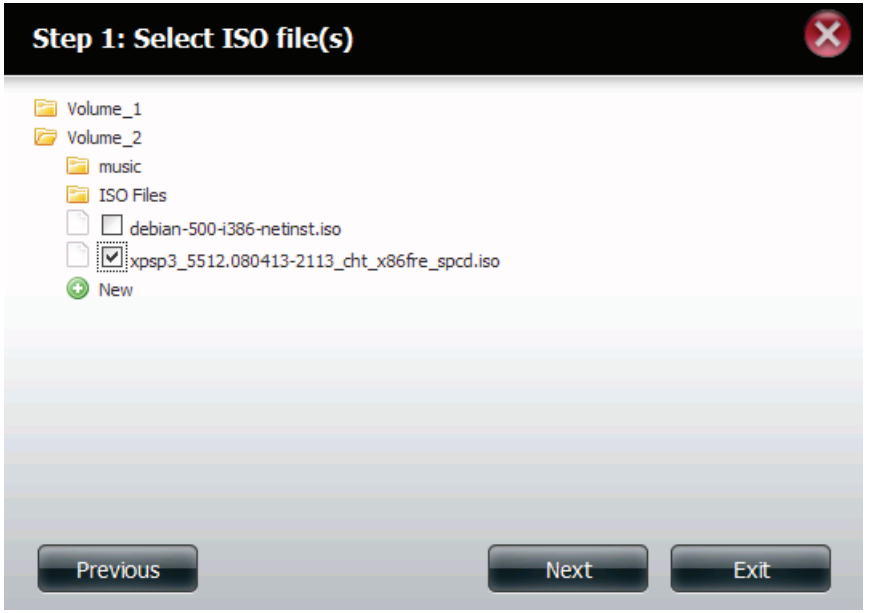
1. Select the .iso file to be mounted.
2. Set the users and groups access rights to the mounted .iso file
3. Add a comment describing the file and select the appropriate network protocols.
4. Confirm the changes.

Click **Next** to continue.



Expand one of your Volume File System trees to select the desired .iso file.

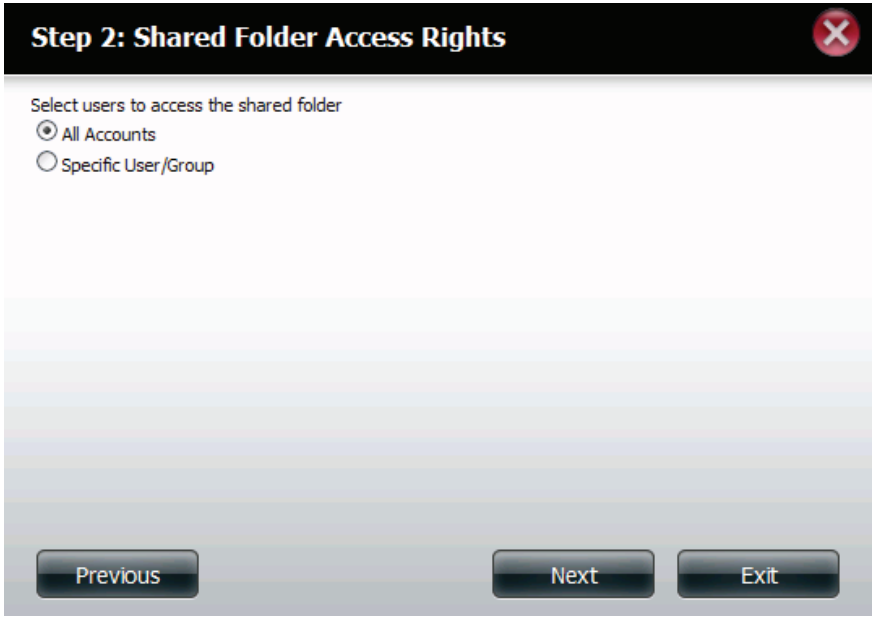
Check the box to the left of the .iso file to select it and click **Next** to continue.



Assign access privileges to this ISO Mount share.

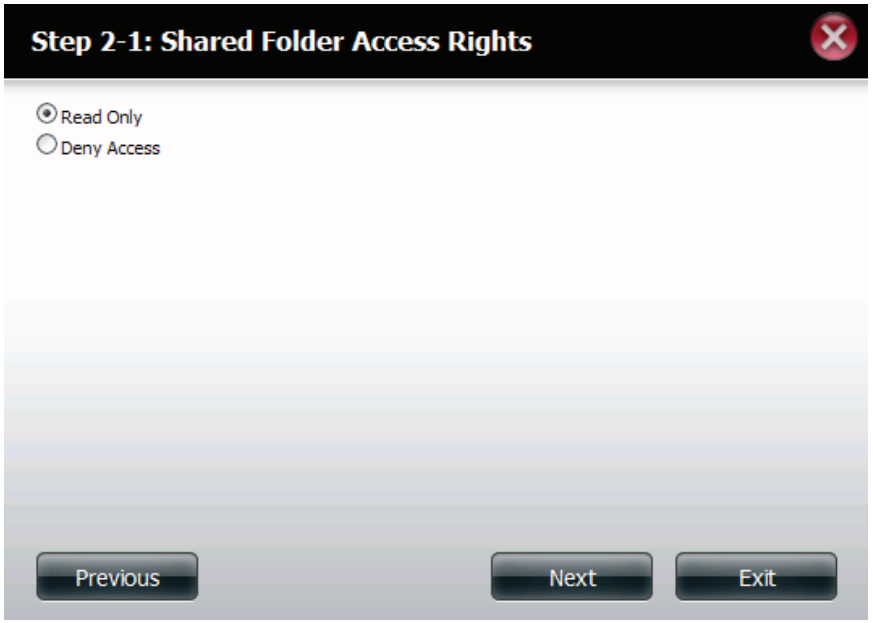
- Select **All Accounts** to assign the ISO Mount share read/deny privileges to all users.
- Select **Specific User/Group** in order to assign read/deny privileges to individual users and groups.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



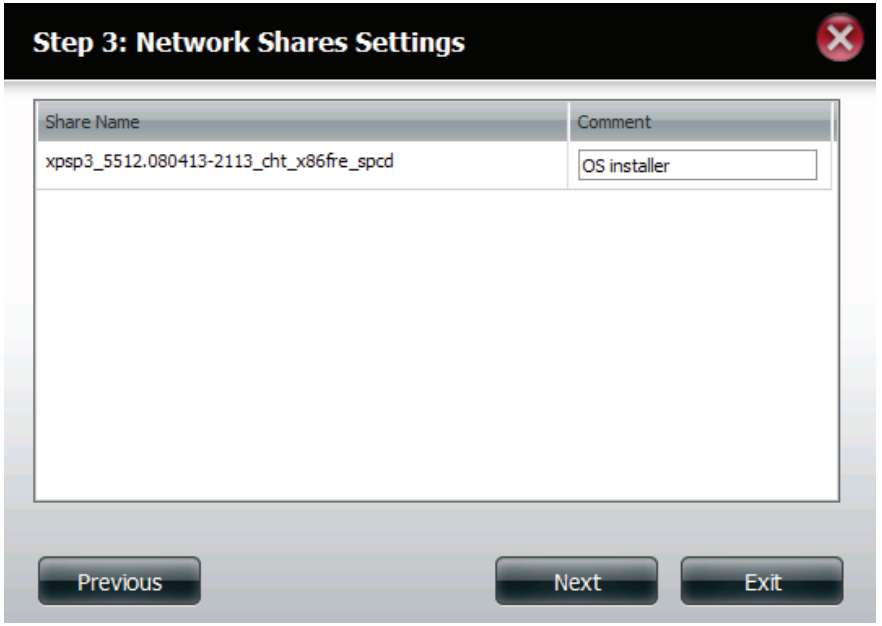
You can assign **Read Only** or **Deny Access** privileges to the ISO Mount share here. Click on the appropriate radio button for the privileges you would like to assign.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



You may add a comment that describes the ISO Mount Share.

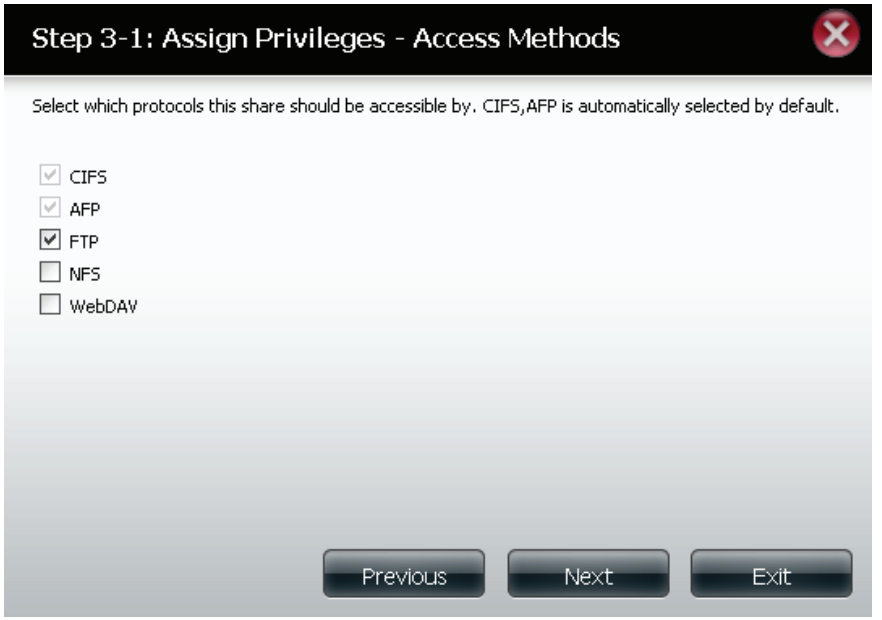
Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



Assign protocol privileges that a user can use to access this share. Options to choose from are FTP, NFS and WebDAV. CIFS and AFP are set as default.

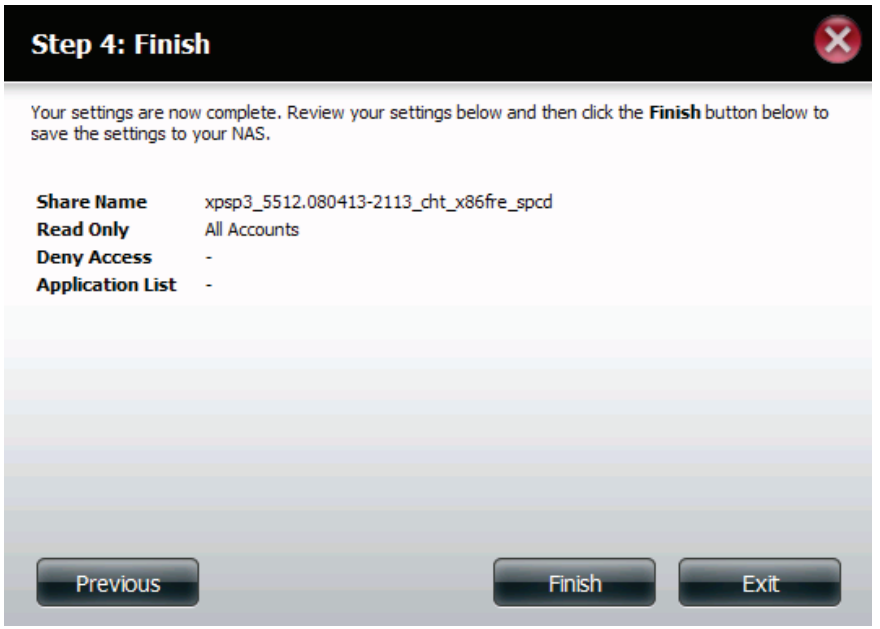
- **CIFS** is short for Common Internet File System.
- **AFP** is short for Apple Filing Protocol.
- **FTP** is short for File Transfer Protocol.
- **NFS** is short for Network File System.
- **WebDAV** is short for Web-based Distributed Authoring and Versioning.

Click on the **Previous** button to return to the previous window.
Click on the **Next** button to accept the change and continue to the next window.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.

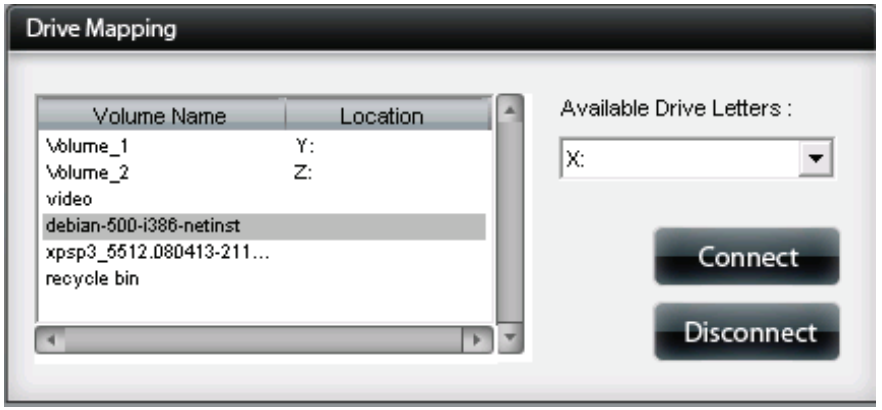


Click **Finish** to save your settings.

Click on the **Previous** button to return to the previous window.
Click on the **Finish** button to accept the change and complete the wizard.
Click on the **Exit** button to discard the changes made and return to the Network Shares Page.



Using the D-Link Storage Utility the ISO Mount Share can now be mapped to your computer so that you can access it.



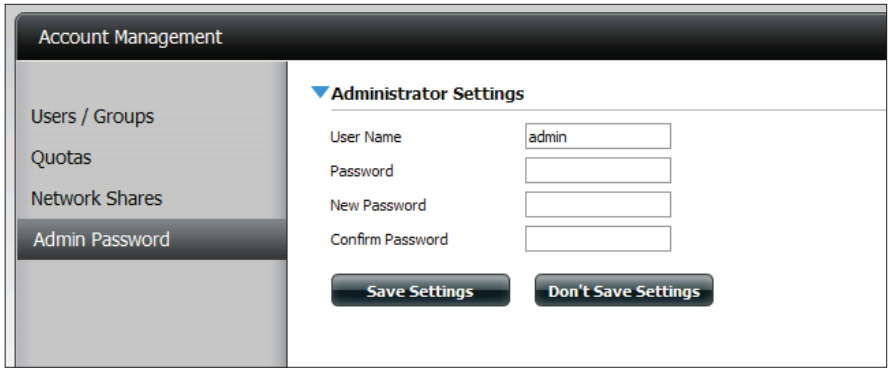
Admin Password

Username: The administrator user name is **admin**, and this cannot be changed.

Password: Enter the current password. (Leave this blank if you have not set a password yet.)

New Password: Enter a new password.

Confirm Password: Enter the new password again for confirmation.



Network Management
LAN Setup

The LAN Settings allows you to enable LLTD and to configure the Link Speed and the IP address as a DHCP client or Static IP.

IP Settings

DHCP Client: Selecting DHCP Client will cause the DNS-325 to obtain an IP address from the local DHCP server.

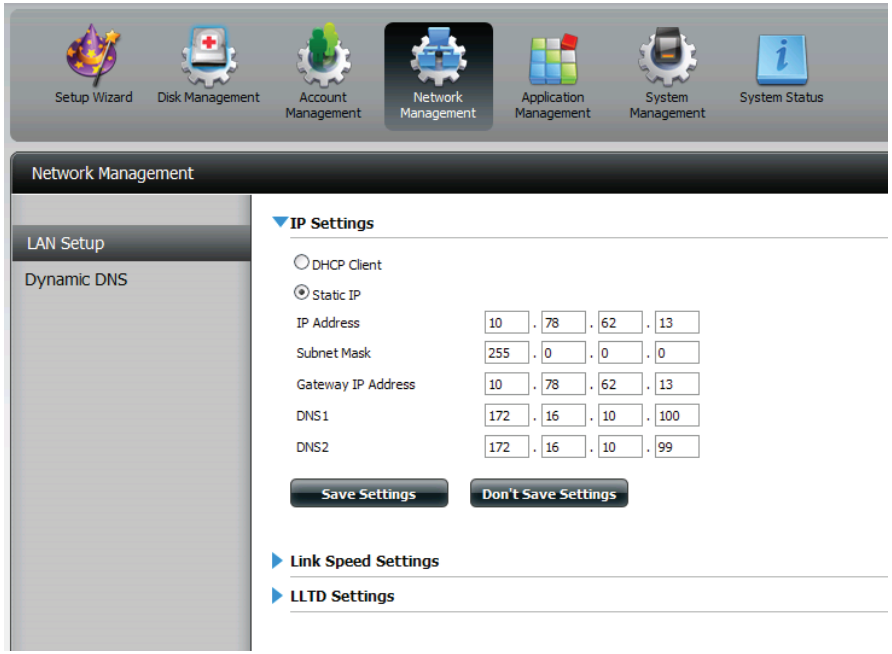
Static IP: Selecting Static IP requires you to assign the IP information for the DNS-325 manually.

IP Address: Enter an IP address for your device. The IP address of each device on the local area network must be within the same IP address range and subnet mask.

Subnet Mask: Enter the Subnet Mask. The default subnet mask is 255.255.255.0.

Gateway IP Address: Enter the Gateway IP Address for the device. The Gateway IP Address is almost always the LAN address of your router. Most D-Link routers have a default LAN IP address of 192.168.0.1.

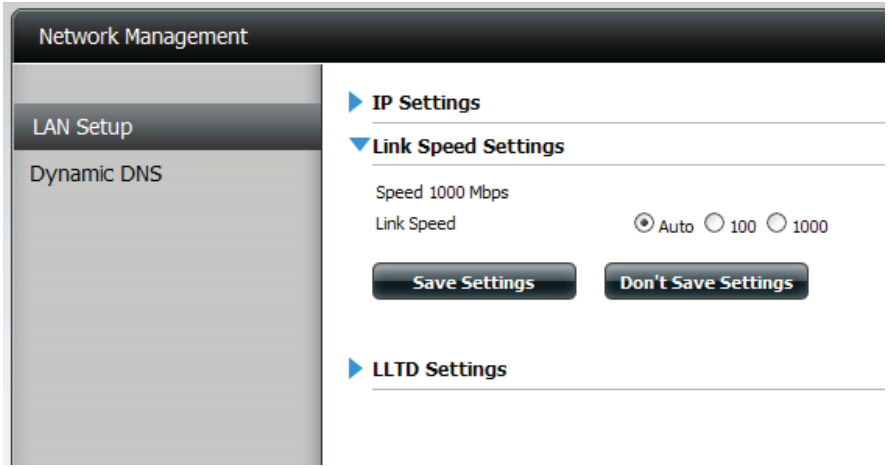
DNS1/ DNS2: Specify the first and second DNS Addresses for the device. The first DNS address is usually the LAN address of your router. A DNS Address will allow the device to resolve names into IP addresses. Click **Save Settings** when finished



Link Speed and LLTD Settings

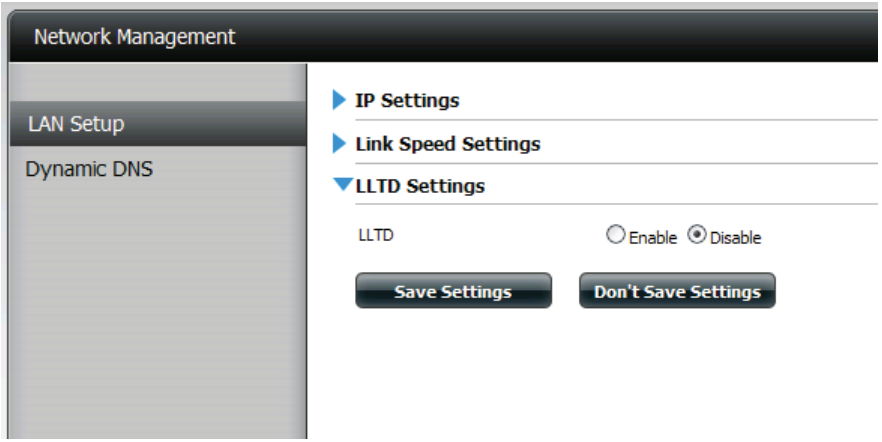
Speed: Displays the current Ethernet bit rate in Megabits per second.

Link Speed: Select either Auto (Auto-Negotiate), 100 Mbps, or 1000 Mbps by clicking the appropriate radio button. Then click the **Save Settings** button to save the new settings.



LLTD: The device supports LLTD (Link Layer Topology Discovery) and is used by the Network Map application that is included in Windows Vista® and Windows® 7.

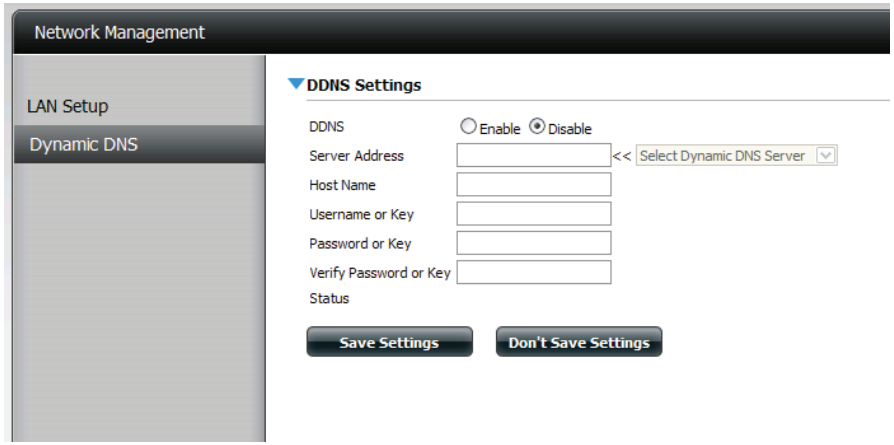
Select to enable or disable LLTD.



Dynamic DNS

The DDNS feature allows the user to host a server (Web, FTP, Game Server, etc...) using a domain name that you have purchased (www.whateveryournameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using a DDNS service provider, your friends can enter your domain name to connect to your server regardless of your IP address.

DDNS Settings



DDNS: Select **Enable** or **Disable**.

Server Address: Select a DDNS Server from the combo box on the right hand-side, or type in the server address manually.

Host Name: Enter your DDNS host name.

Username or Key: Enter your DDNS username or key.

Password or Key: Enter your DDNS password or key.

Verify Password or Key: Re-enter your password or key.

Status: Displays your DDNS status.

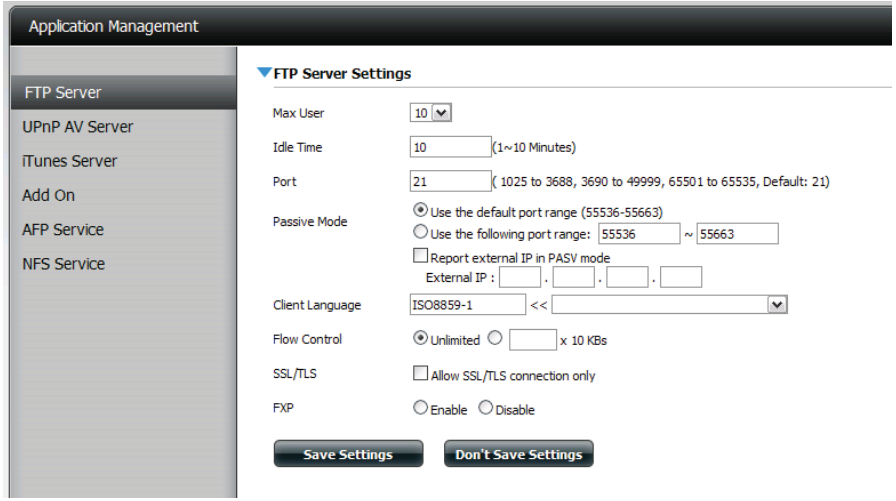
When the user clicks on the "Sign up for D-Link's Free DDNS service at www.DLinkDDNS.com" link, the user will be re-directed to the D-Link DDNS page.

Here the user can create or modify a D-Link DDNS account to use in this configuration.

Application Management

FTP Server

The device is equipped with a built in FTP Server. The server is easy to configure and allows users access to important data whether they are on the local network or at a remote location. The FTP server can be configured to allow user access to specific directories, and will allow up to 10 users to access the device simultaneously.



Max. User: Set the maximum amount of users that can connect to the FTP server.

Idle Time: Set the amount of time a user can remain idle before being disconnected.

Port: Set the FTP port. Default is 21. If you are behind a router, you will need to forward the FTP port from the router to the device. Additional filtering and firewall settings may need to be modified on your router to allow FTP Access to the device from the Internet. Once the port has been forwarded on the router, users from the Internet will access the FTP server through the WAN IP address of the router.

Passive Mode: In situations where the device is behind a firewall and unable to accept incoming TCP connections, passive mode must be used.

Client Language: Most standard FTP clients like Windows FTP, only support Western European code page when transferring files. Support has been added for non standard FTP clients that are capable of supporting these character sets.

Flow Control: Allow you to limit the amount of bandwidth available for each user.

SSL/TLS: Here the user can enable the SSL/TLS connection only.

FXP: Enable or Disable File eXhange Protocol to transfer files from one FTP server to another.

Note: In order to use FXP (File Exchange Protocol) for server-to-server data transfer, make sure to change the port from 21 to some other port as listed in the Port section of the Web UI. Also, make sure to open the corresponding port on your router and forward that port from your router to the device.

Click **Application Management** and then ***FTP*** server.

1. From the drop-down menu select the amount of users you want to give access to.

2. Set an idle time.

3. Configure the default FTP port.

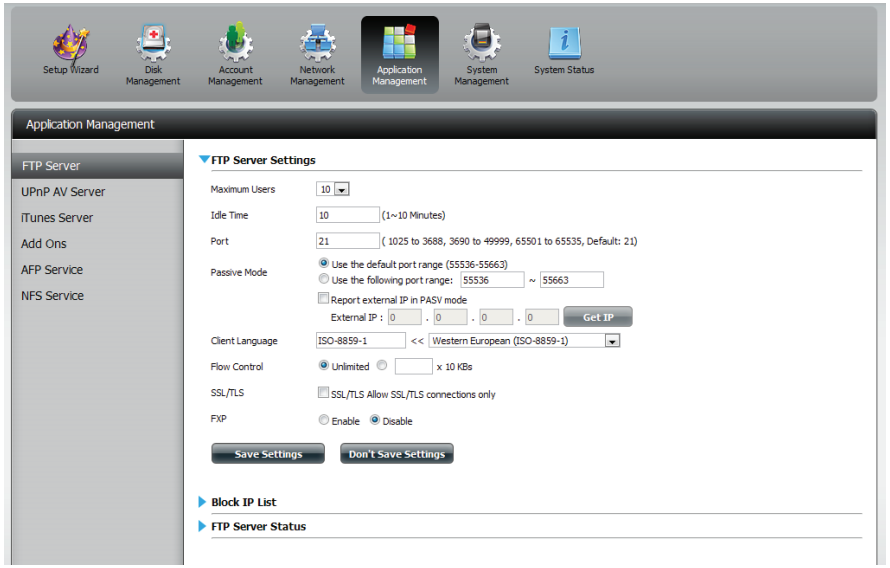
4. Select a default port range or select a passive mode type.

5. Select a language.

6. Select the correct flow control.

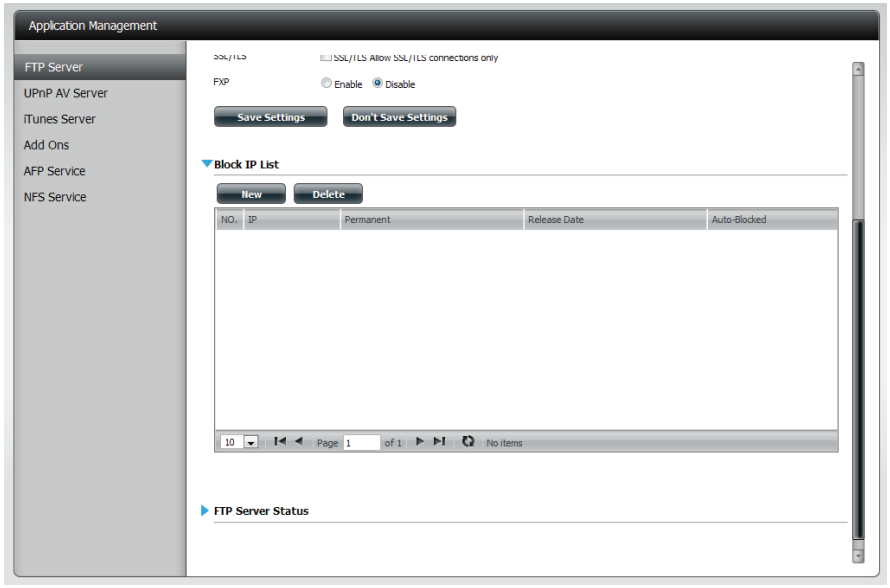
7. Click to enable SSL/TLS and click Enable FXP to continue.

Click **Save Settings** to save the changes.



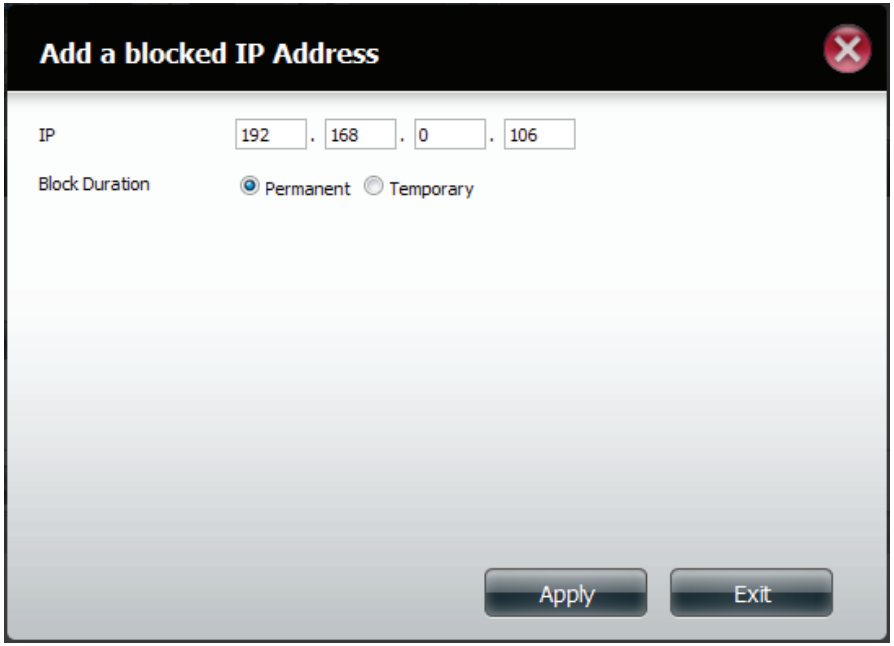
The window expands to include a **Blocked IP** list and FTP Server Status reports. Click the blue arrow to see the drop-down list.

Click **New** to block a specific IP address.

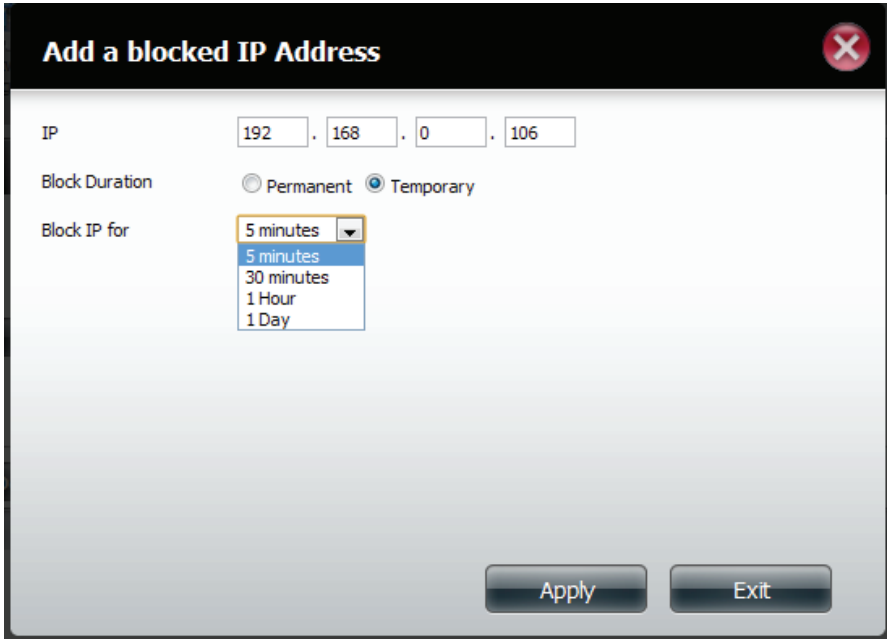


Enter the IP address of a machine you wish to block. Select **Permanent** if you wish to block the IP address permanently or Temporary if you wish to set a time frame.

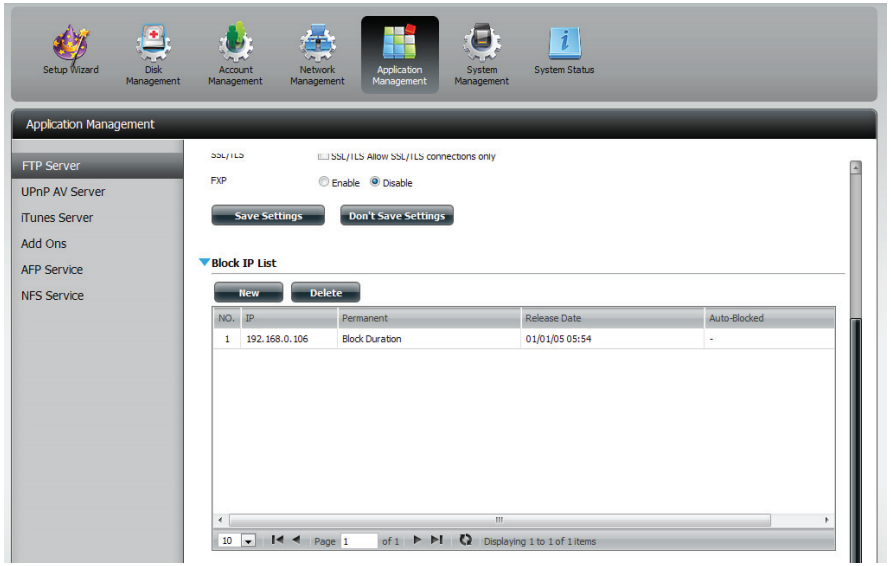
If your choice is permanent, click **Apply** and continue.



If your choice was **Temporary**, then you need to select a time frame and click Apply to continue.

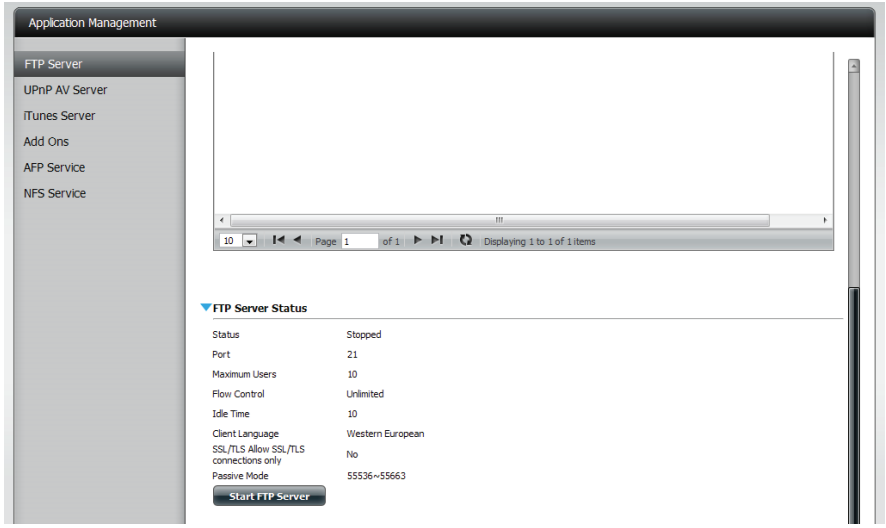


The **Blocked IP** list will display the IP addresses you blocked.



Click the **blue** arrow next to FTP server status to reveal the FTP details.

The **FTP** server is stopped by default. Click **Start FTP** Server to run the process.



UPnP AV Server

The device features a UPnP AV Server. This server provides the ability to stream photos, music and videos to UPnP AV compatible network media players. If the server is enabled, the device will be automatically detected by UPnP AV compatible media players on your local network.

Click the **Refresh All** button to update all the shared files and folder lists.

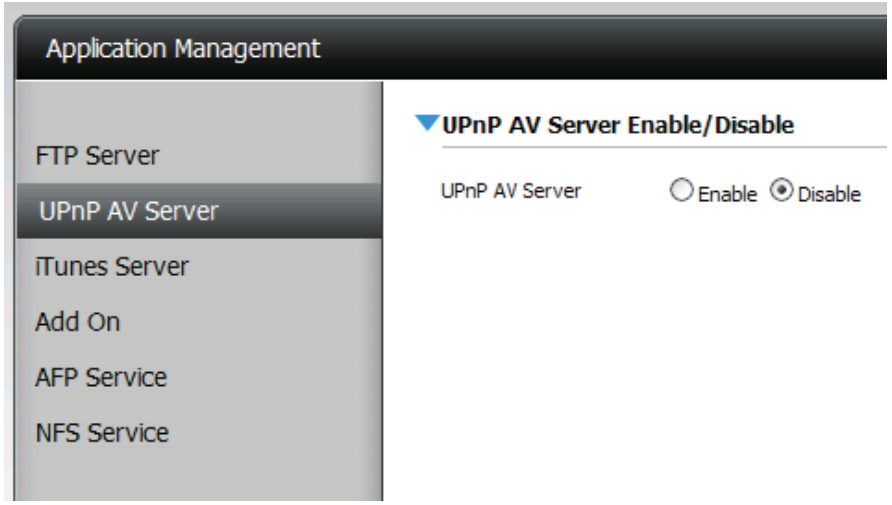
UPnP AV Server: Select **Enable** or **Disable**.

After enabling the UPnP AV Server option, the following window will appear.

In the window you will be able to add, delete and view existing UPnP AV Server shared folders.

Add, Delete: To add a new folder to the shared list, click on the **Add** button. To delete an existing folder, click on the **Delete** button. To refresh the list, click on the **Refresh** button.

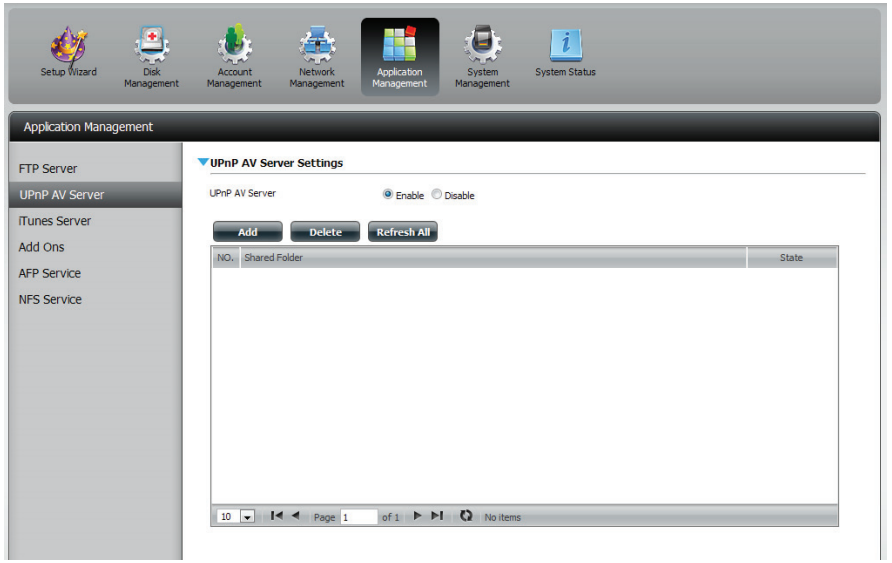
Refresh All: Click the **Refresh All** button after adding new files to be used by UPnP AV compatible devices.



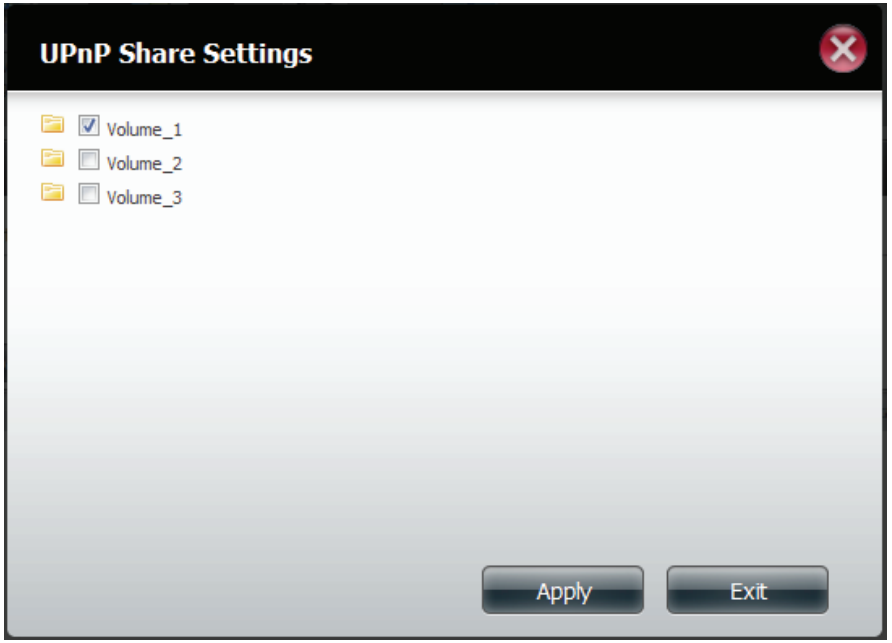
Click **Application Management**, then **UPnP server**.

Click the **Enable** radio button to enable the **UPnP server**.

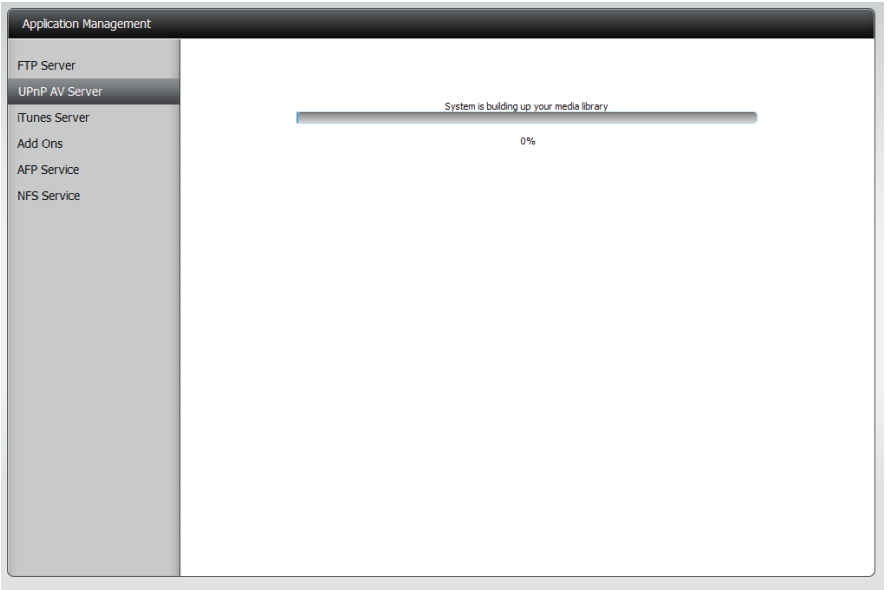
Click **Add** to configure the **UPnP** share.



Select the volume you like to share and click **Apply**.

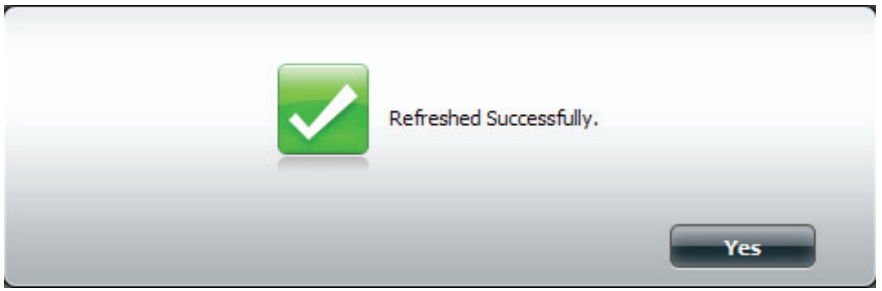


The system will now build the media library.

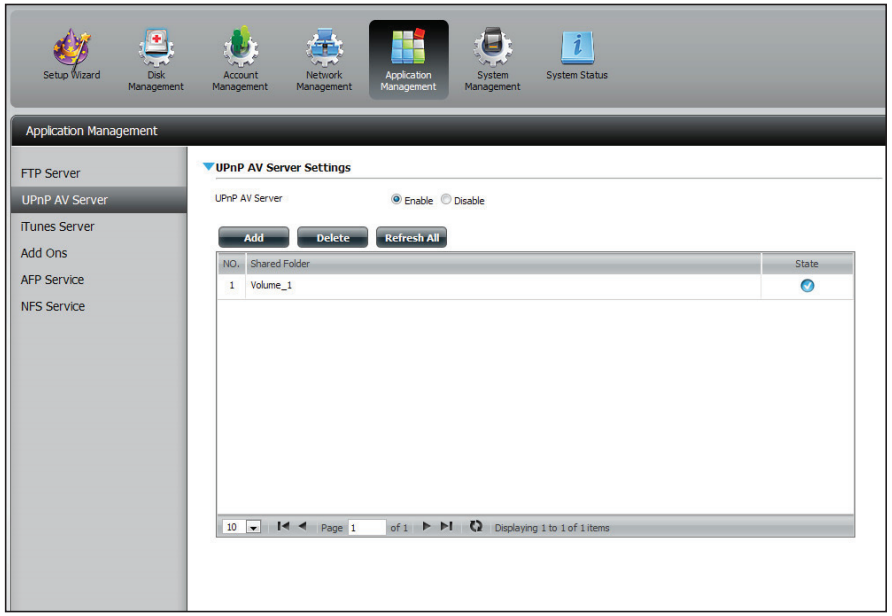


When the system has finished building the media library, a success message will appear.

Click **Yes** to continue.



The selected volume will appear in the table under the **UPnP server.**



iTunes Server

The DNS-325 features an iTunes Server. This server provides the ability to share music and videos to computers on the local network running iTunes. If the server is enabled, the device will be automatically detected by the iTunes program and the music and videos contained in the specified directory will be available to stream over the network. Click the **Refresh All** button to update all the shared files and folder lists.

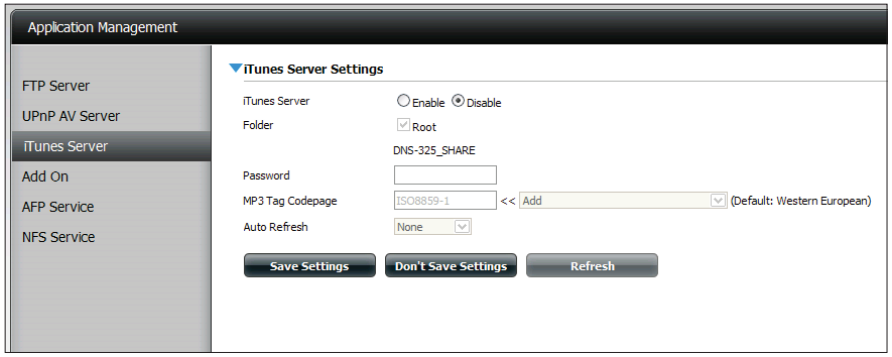
iTunes Server: Select to enable or disable the iTunes Server.

Folder: Specifies the folder or directory that will be shared by the iTunes server. Select root to share all files on all volumes, or click **Browse** to select a specific folders.

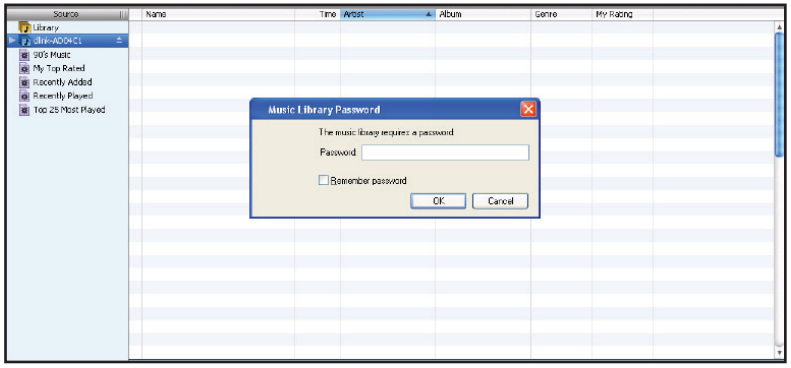
Password: Sets password for the iTunes server. (Optional)

MP3 Tag Codepage: Here the user can select the MP3 Tag Codepage used by this device. Currently the Codepage is set to Western European.

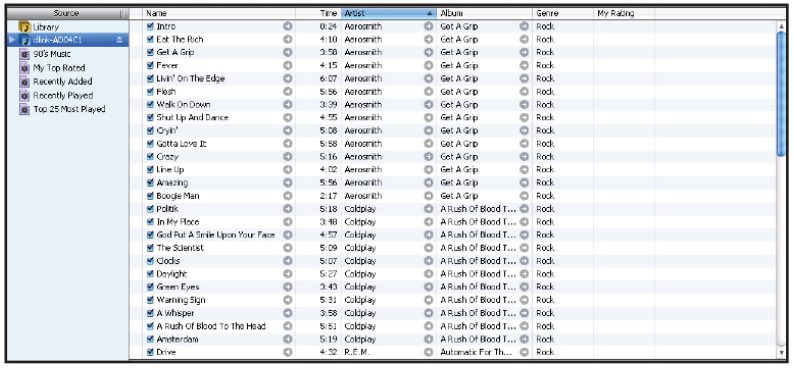
Auto Refresh: Here the user can select the Automatically Refresh time.



After enabling the iTunes server on the device, launch iTunes. In your iTunes utility, select the device and enter the iTunes server password if required.



Select the device When prompted, enter in the iTunes server password. Click **OK**.



Media stored on the device will then be available for use in iTunes.

Add-On

The Add-On menu allows multiple application software to add extended functionality to your device. The Add-on software is available from the D-Link website in your country and some of them are available from the Installation Wizard. Below is the list of the some of the supported Add-ons available.

AjaXplorer: Ajaxplorer provides an enhanced "explorer-like" interface which can download and upload device files over the Internet. Ajaxplorer also allows a user, on any Internet connection, to stream video/audio and view image files that are stored on the device

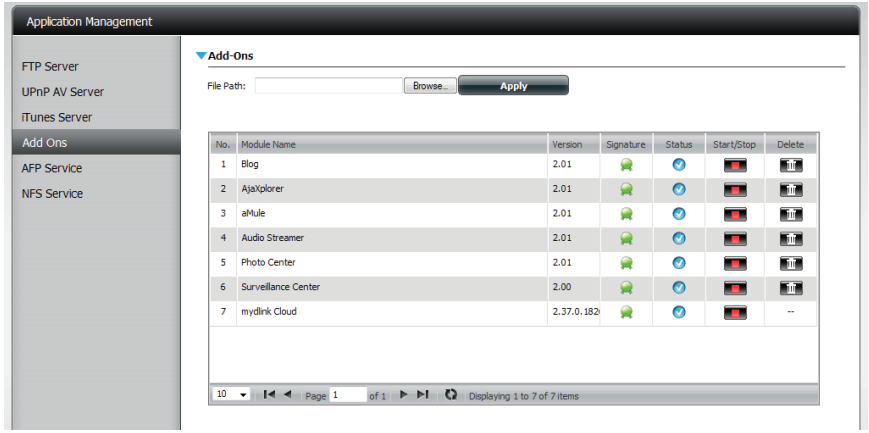
Photo Center: The Photo Center add-on sets up your device to share your photos over the web. It provides a convenient interface from which you can create albums of photos with descriptions. The albums are then accessible over the web using HTTP so that your family and friends can then view your device stored photos from any Internet connection.

SqueezeCenter: Use the SqueezeCenter add-on to connect your Logitech Media Squeezebox player so that it can play music files stored on your device

Blog (Wordpress): Create your own device based customized Blog. Using the ShareCenter's™ Internet connection the Blog created using WordPress can be accessed and commented on from any Internet connection.

Audio Streamer: Turn your device into an Internet Streaming Music site. From your device, the Audio Streamer add-on can transmit multiple streams of playing music files to any Internet connection.

Surveillance Center: The Surveillance Center allows you to access and configure an IP camera(s) on the same network. It can record video footage continuously or by motion detection and back them up on the NAS. You can then use the Surveillance Center module to monitor and play back the recordings.



Browse: Use the **Browse** button to locate a valid add-on file and populate the file path.

Apply: Click on **Apply** to install the add-on software on your device. Once installed successfully, it will appear in the add-ons table.

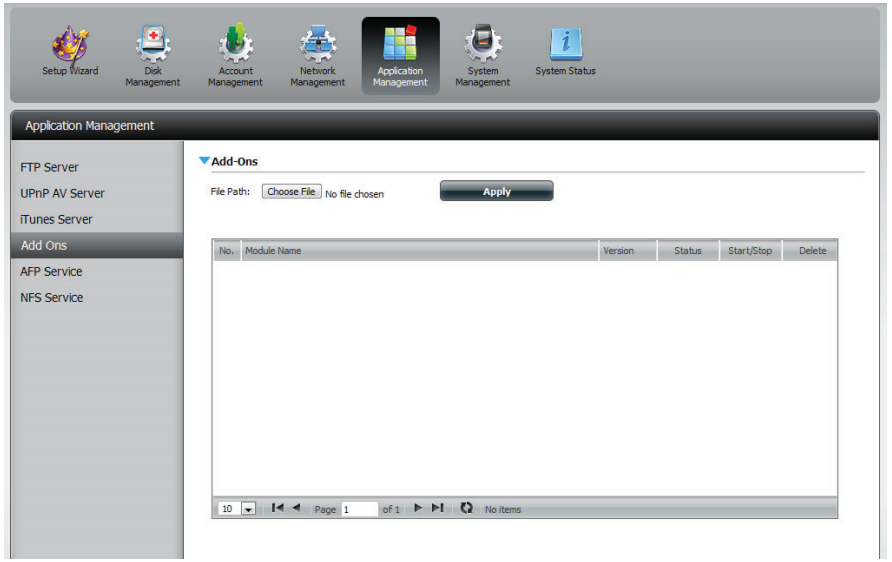
Start/Stop: You can enable add-ons in the table by clicking on the Green Triangle. To disable add-ons click the Red Circle.

Caution: Your device CPU resources will be reduced depending on the number of Add-ons you have enabled. Therefore for optimal performance make sure to disable any add-ons not in use.

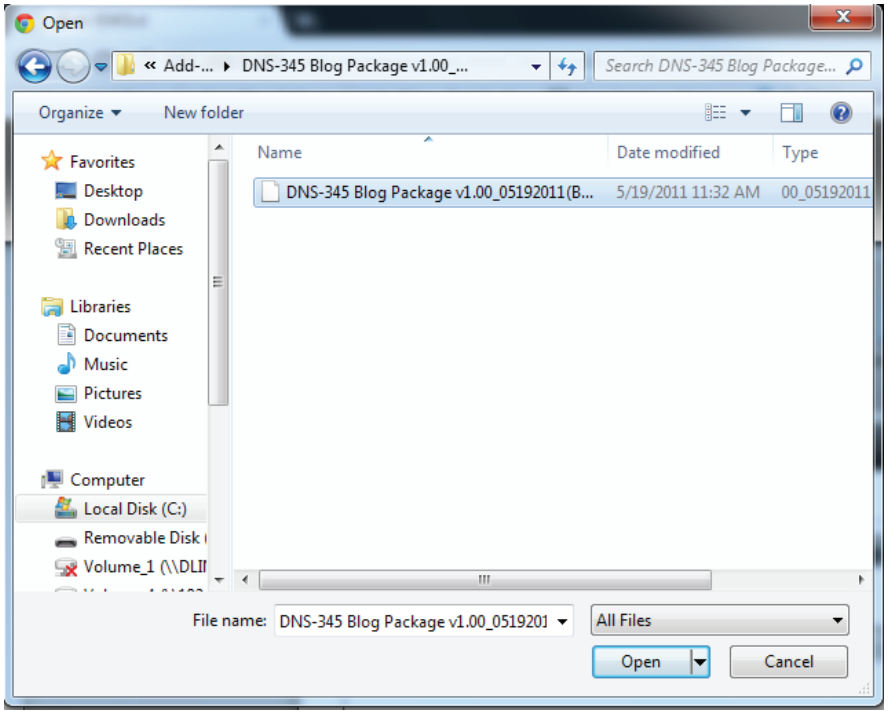
Note: To check the complete list of Add-on application software available consult your local D-Link support page .

Click **Application Management**, then **Add Ons.**

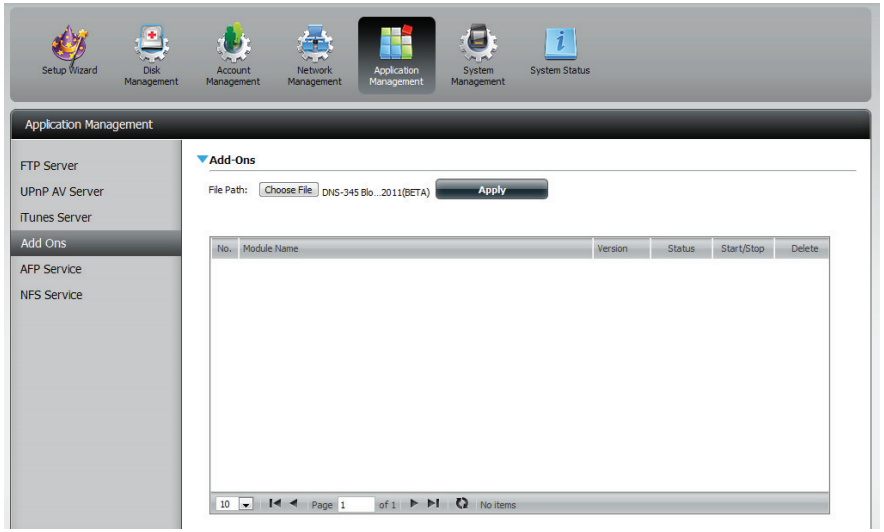
Click **Choose File** to locate the add on packages on your local hard drive.



Once you have located the file, select it and click **Open.**

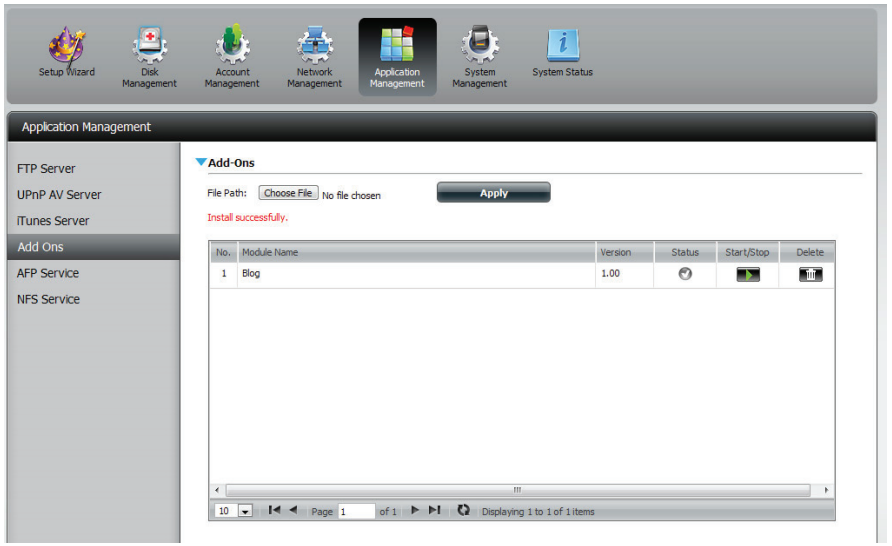


Once the path of the package has been located, click **Apply** to add the package.



Under **Add-ons**, a red message will appear to show that the installation of the package was successful.

Click the **Start** button under **Start/Stop**.

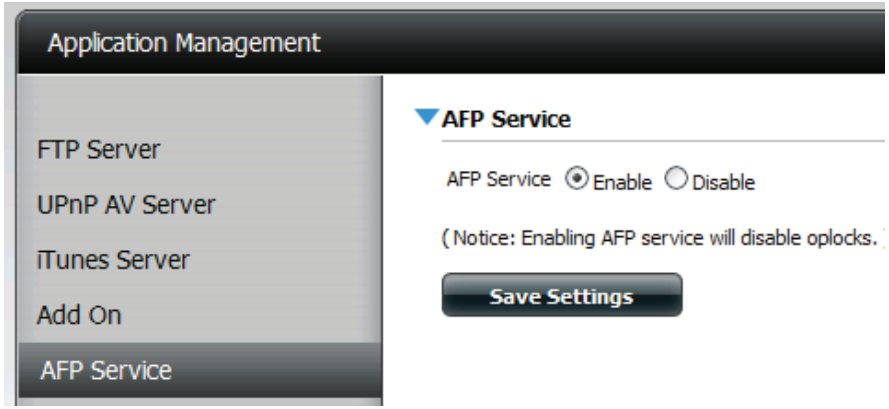


AFP Service

The ShareCenter™ supports Apple Filing Service for connectivity with MAC OS based computers. If you need to use AFP service enable it here otherwise leave it disabled to reduce CPU resource overhead.

AFP Service: Select enable to allow MAC OS based systems connect to your device using AFP protocol. Select disable to prevent unnecessary CPU resource depletion when AFP is not being used.

Save Settings: Click to save your AFP settings.

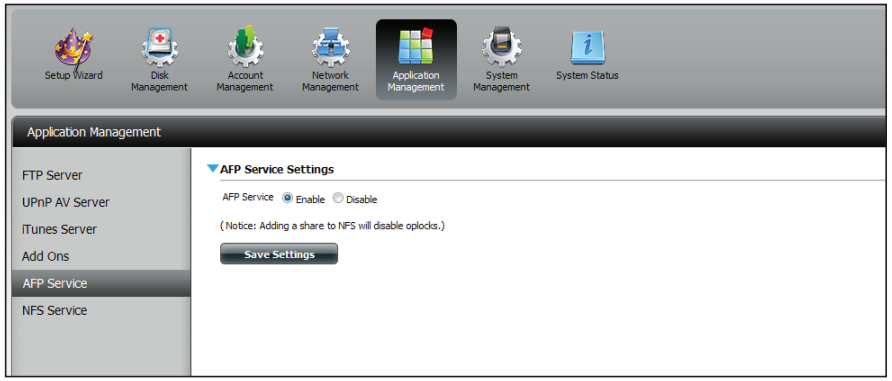


Note: Enabling AFP service will disable oplocks.

Click **Application Management**, then **AFP Service**.

Click the **Enable** radio button to turn **AFP service**s on

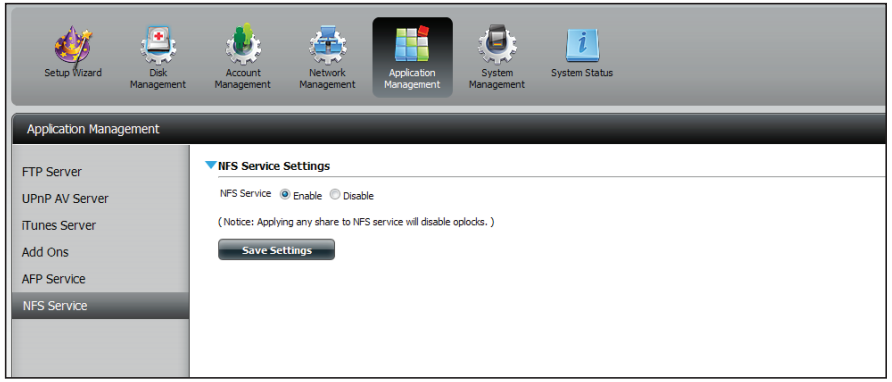
Click **Save Settings** to save the **AFP** services.



Click **Application Management**, then **NFS Service**.

Click the **Enable** radio button to turn **NFS services** on.

Click **Save Settings** to save the **NFS** service.

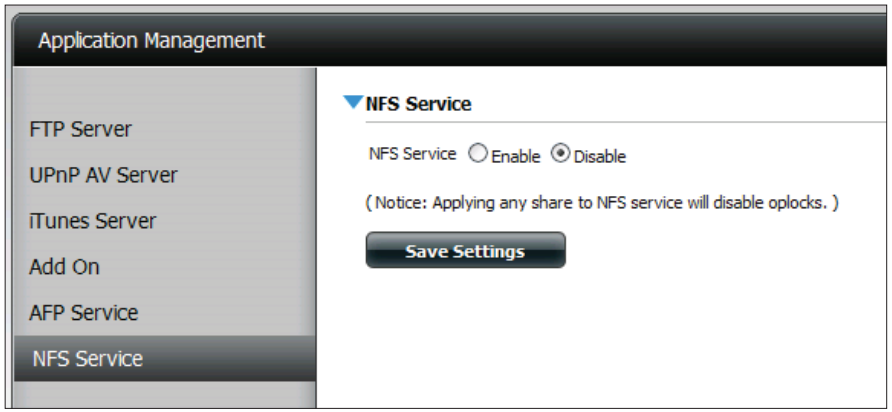


NFS Service

The device supports Network File System (NFS) service. To enable this multi-platform file system on your device enable it here. Otherwise disable the option to prevent unnecessary CPU overhead.

NFS Service: Select **Enable** to allow systems that support NFS to connect to your device using NFS protocol. Select **Disable** to prevent unnecessary CPU resource depletion when NFS is not being used.

Save Settings: Click to save your NFS settings.



Note: Applying NFS service to any Share will disable oplocks.

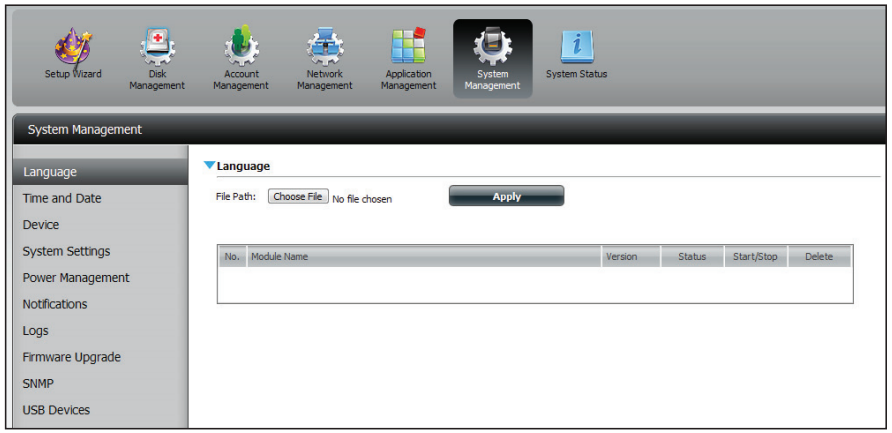
System Management

Language

The language packs help users customize the DNS-325 to their specific region. Download your language pack from the D-Link website or the CD and follow the instructions below. When you disable the language pack, the GUI will return to English.

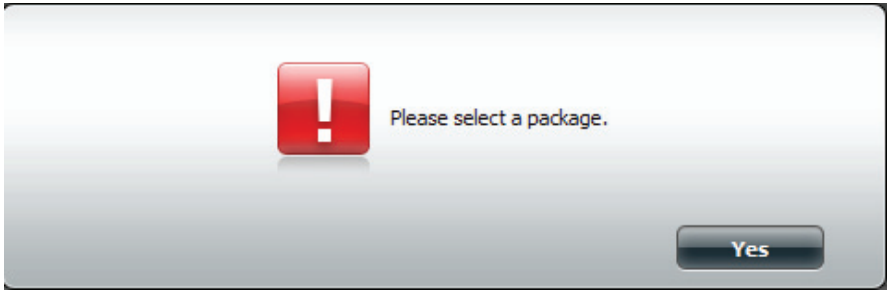
Click **System Management** , then **Language** to install a new language.

Click **Choose File**. Then browse your computer hard drive for the selected pack and click **Apply**.



If you have not selected a language package, a message will prompt you to locate one.

Click **Yes** to continue.



Time and Date

The Time and Date page contains several different options for setting the device's internal clock. It is important to set an accurate time so that backups and downloads can be accurately scheduled.

System Time Settings: Displays the current date, time and time zone settings of the device.

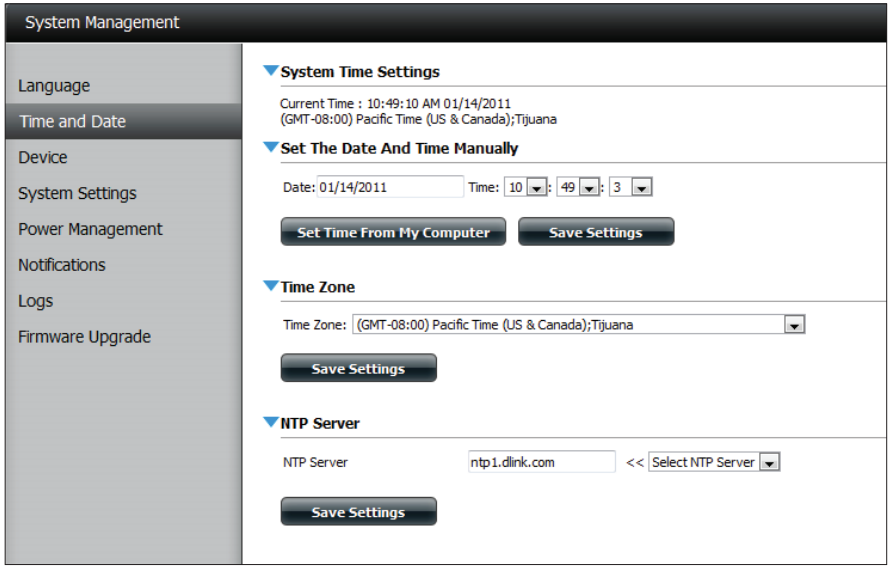
Manually: Enter the complete time and date settings manually. Click **Save Settings** to apply these settings. To synchronize the device clock with your computer, click the **Set time from my computer** button.

Time Zone: Select your time zone from the drop-down menu. Click **Save Settings** after selecting your time zone

NTP Server: Network Time Protocol (NTP) synchronizes the device with an Internet time server.

D-Link provides two time servers for your convenience. Select the one closest to your location.

Click **Save Settings** to accept these changes.



Device

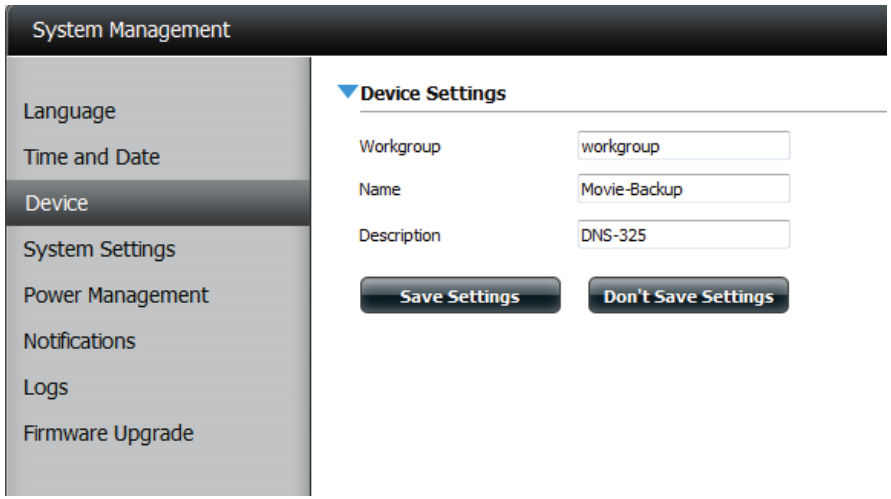
The device settings page allows you to assign a workgroup, name and description to the device. You can access this device by typing the host name in the URL section of your web browser. For example: http://dlink-d10001.

Workgroup: Enter your Workgroup name here. The workgroup name should be the same as the computers on the network. Devices using the same workgroup will have additional file sharing methods available.

Name: Enter your device name here. This name is what the device will appear as on the network. By default, the device name is dlink-xxxxxx, where xxxxxx is the last six digits of the MAC address.

Description: Assign a device description to the device.

Click **Save Settings** to accept these changes.

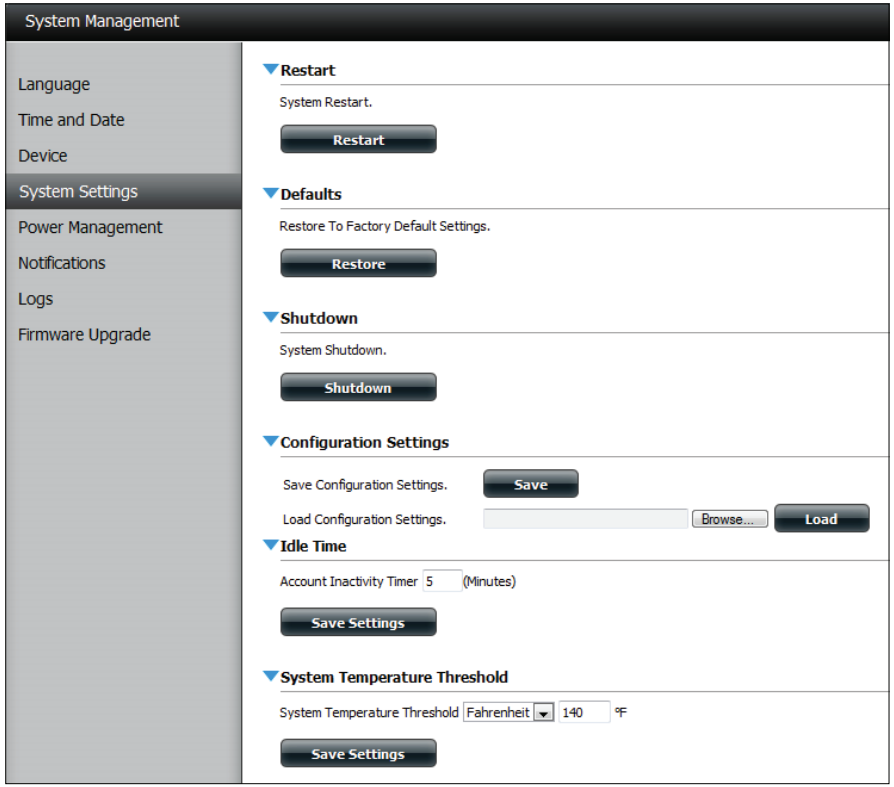


System Settings

Restart: Clicking to reboot the device.

Default: Click to restore the device back to the factory default settings. All previous settings that have been configured will be erased.

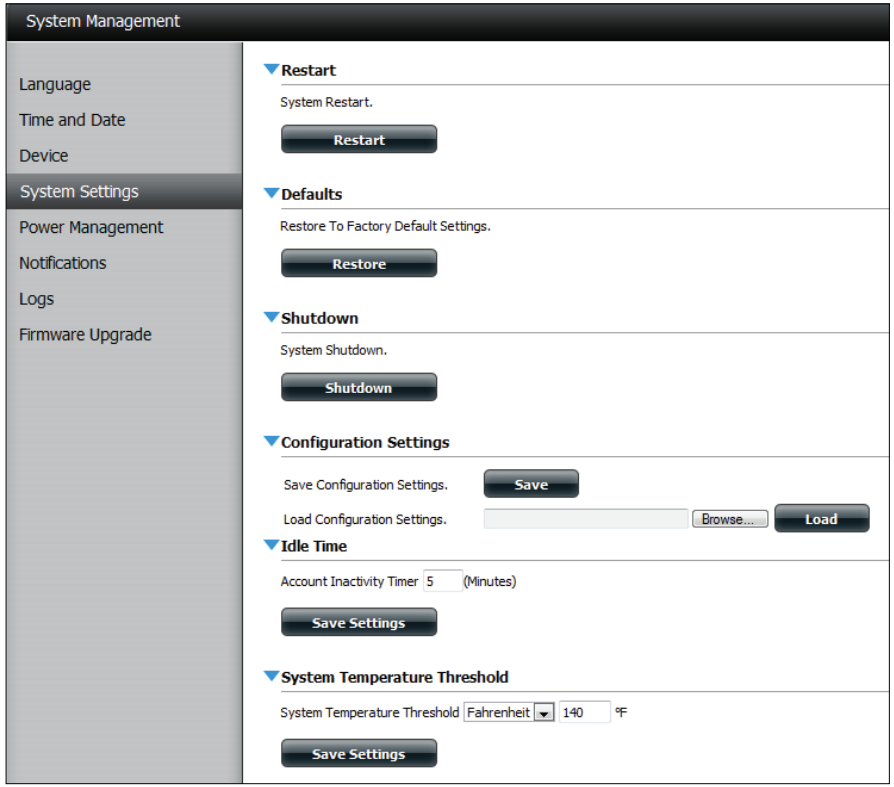
Shutdown: Click to turn off the device.



Configuration Settings: Click on the **Save** button to save the current configuration settings to a file on your computer. If at a later time you need to reload this configuration after a system reset, browse to the file and click **Load**.

Idle Time: Enter the time (in minutes) that the administrator and users will be allowed to remain idle while accessing the web UI.

System Temperature Threshold: Here the user can configure the system temperature threshold value. This value can be set in Fahrenheit or Celsius. The device will automatically shutdown when it reaches the temperature set here.

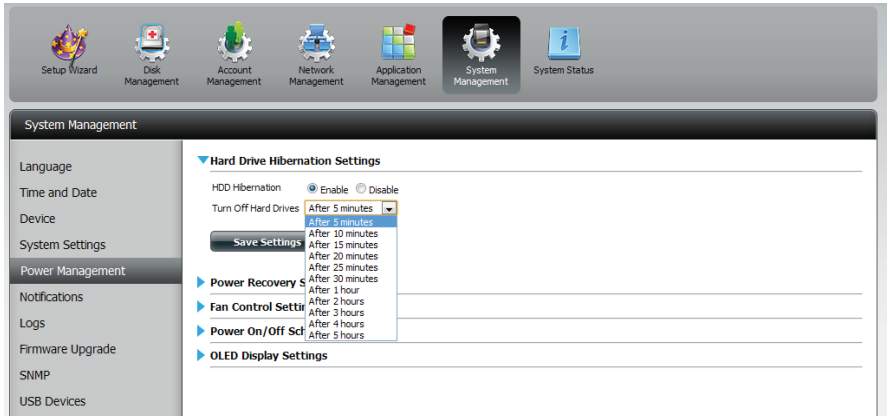


Power Management

The ShareCenter™ Power Management feature allows you to configure the drives to shut down while power remains constant to the device. The drives will power up again when data is accessed.

Click **System Management** , then **Power Management**.

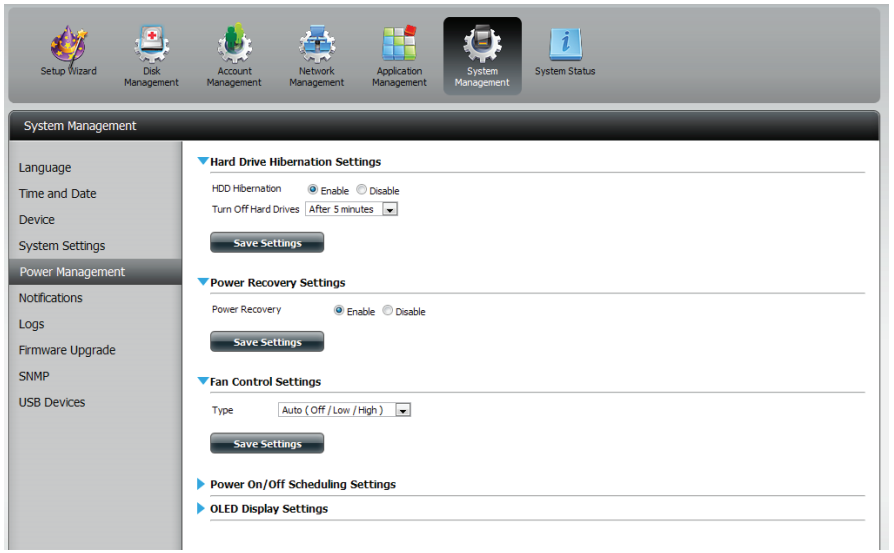
Click **Enable** to enable hard drive hibernation. Then from the drop-down list select a time frame.



Click the **blue arrow** to reveal **Power Recovery**.

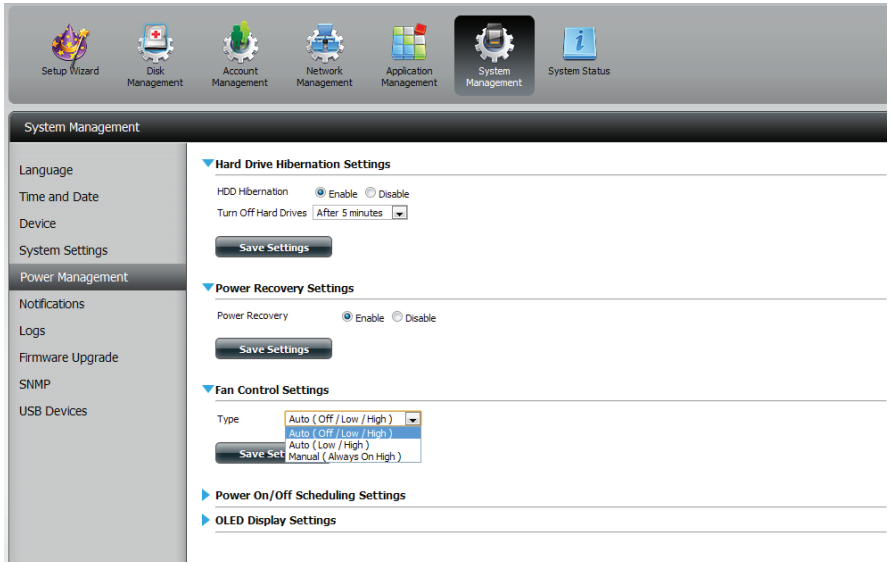
Select **Enable** to use **Power Recovery**.

Click **Save Settings** to continue.



Click the **blue arrow** to reveal the **Fan Control Settings**. Select the type of control settings you want.

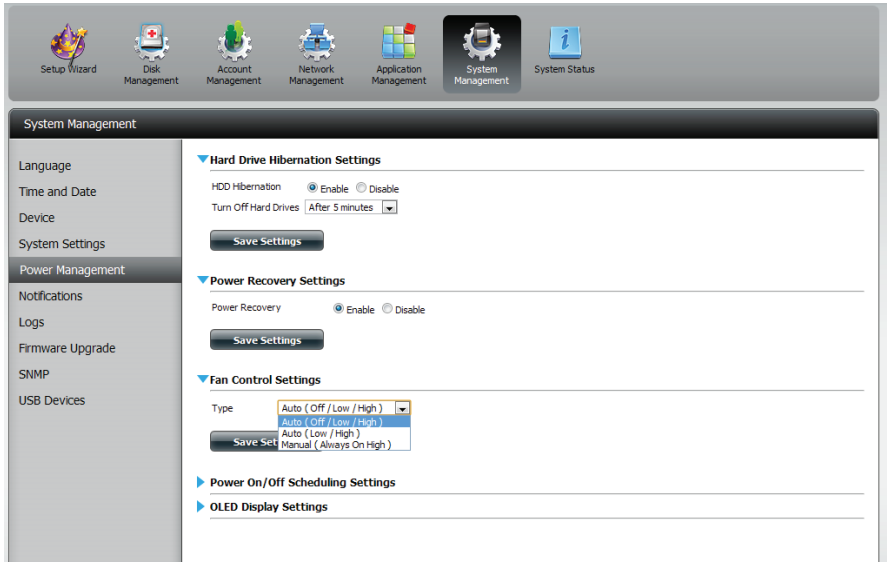
Click **Save Settings** to continue.



Click the **blue arrow** to reveal **Power On/Off Schedule Settings**.

Click **Enable** and choose the day and time for the schedule.

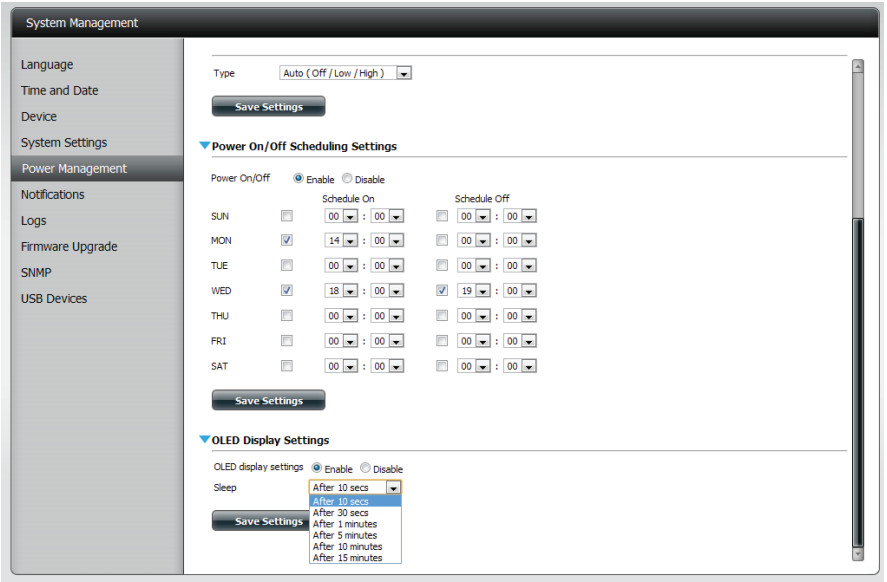
Click **Save Settings** to continue.



Click the **blue arrow** to reveal **OLED Display Settings**.

Click **Enable** to **Display** the **OLED** for a specific time period.

Click **Save Settings** to continue.

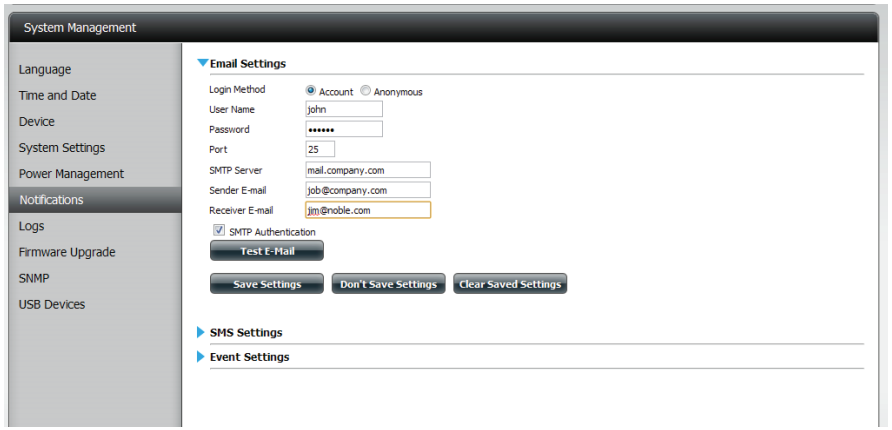


Notifications
Email Settings

The ShareCenter™ System Management – Notifications feature can be configured to send e-mail notifications that alert you about operational and drive status conditions. These alerts can prove helpful in managing and safeguarding important data.

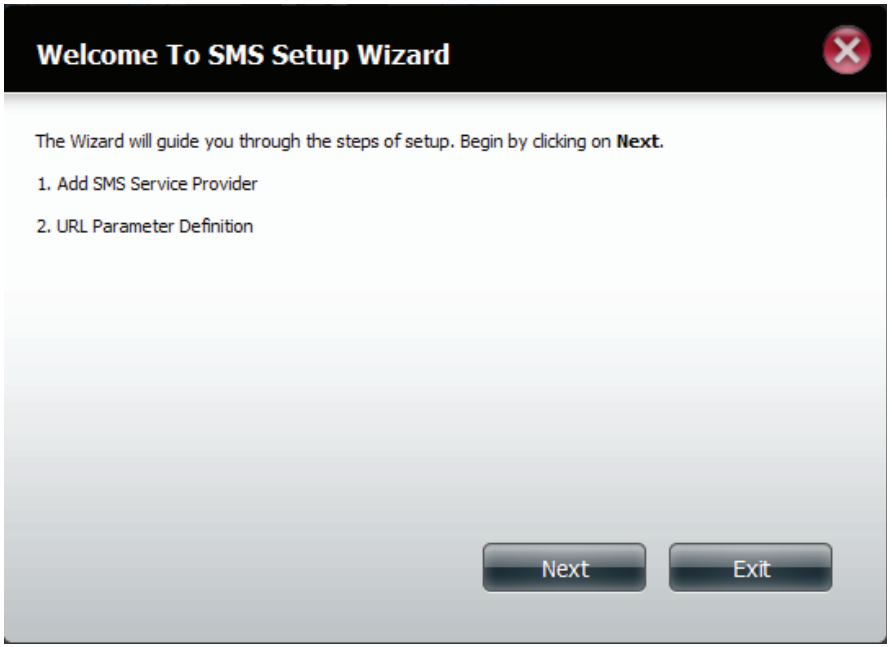
Click **System Management** > **Notifications**, and then **E-mail Settings**. Create an account by entering your e-mail details.

Click **Save Settings** to continue

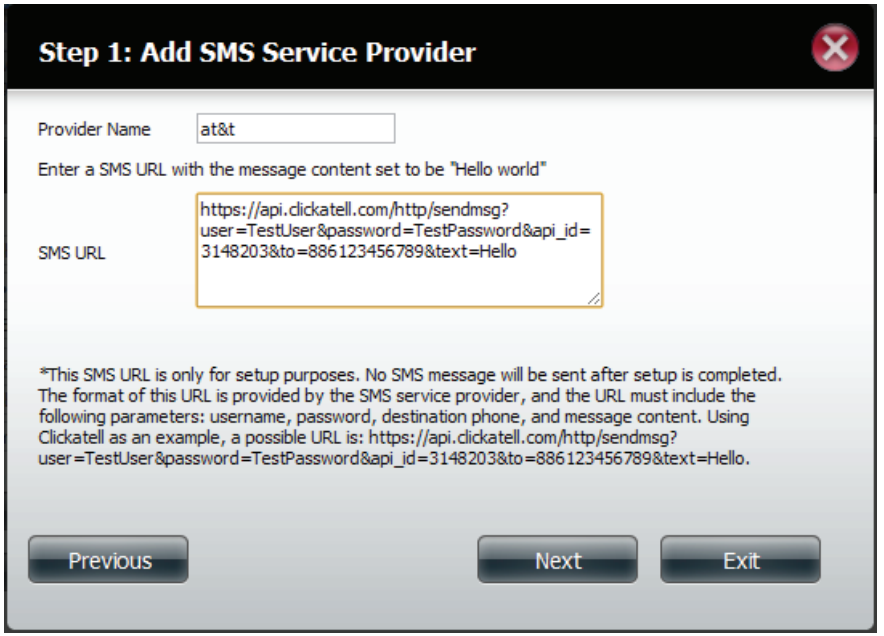


Click **System Management** > **Notifications**, and then **SMS Settings.** Follow the instructions on the wizard.

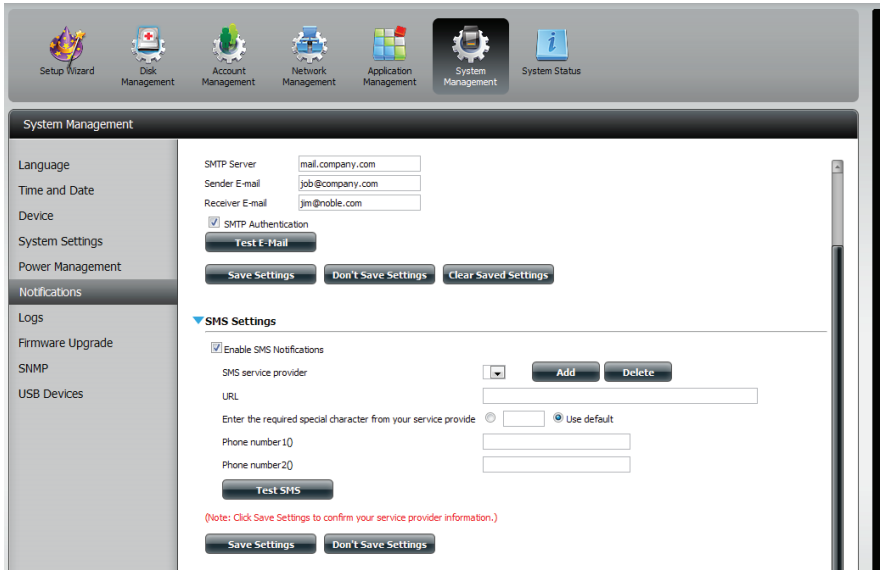
Click **Next** to proceed.



Enter your **SMS** provider details and then click **Next** to continue.

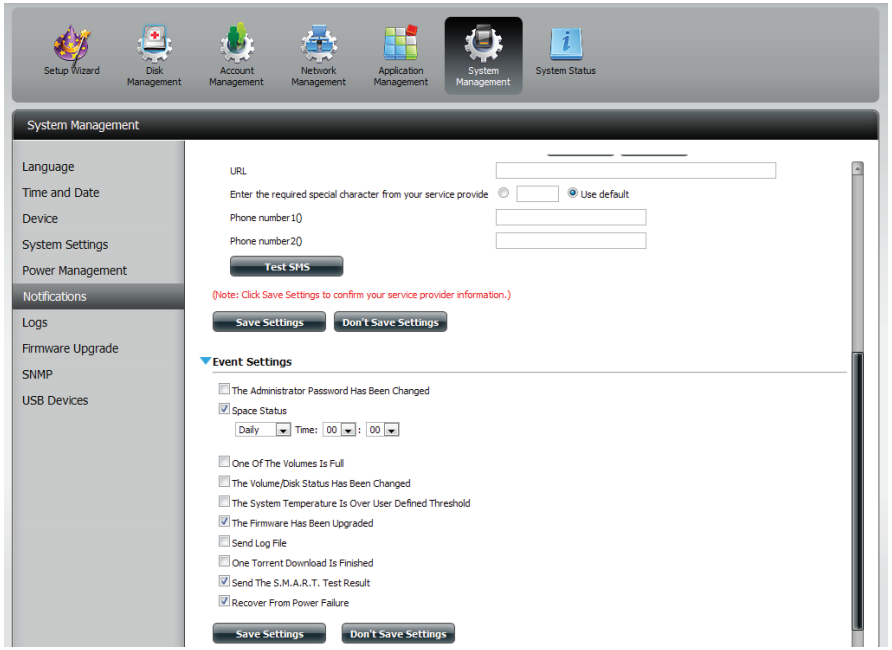


Click **Save Settings** to proceed.



Click **System Management** > **Notifications**, and then **Event Settings**. Select the events you wish to enable.

Click **Save Settings** to continue.



SMS Settings

The same alerts of system conditions that can be sent to an email box can also be sent to a mobile phone or by SMS text messages. You need to have an agreement with a SMS service gateway that the device can then be configured to send the alerts to. The service provider then sends the received alerts to the configured mobiles as text messages.

Enable SMS Notifications: Check this box to enable SMS alerts to be sent to your mobile phone.

SMS Service Provider: Select from the drop-down list your SMS service provider you would like to use (these are added with the **Add** button)

Add button: Click on the **Add** button and enter the information into the appropriate fields that your provider has given you to use for the configuration.

Delete button: Remove the selected Service Provider from the configuration.

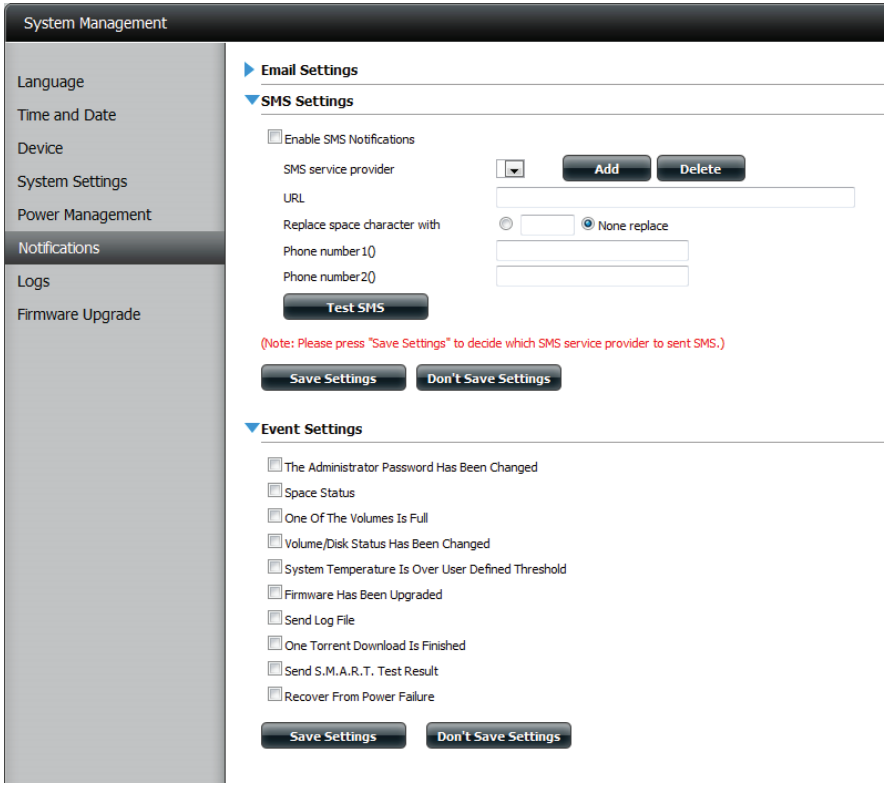
URL: The specific service provider URL provided and added in the Add procedure.

Replace space character with: If required by your service provider enter a character that will be used for the space.

Phone Number 1: Automatically populated from the **Add** button function.

Phone Number 2: Enter a second mobile telephone number. Verify that the number input is according to the configuration instructions from your Mobile Service Provider.

Test SMS button: Click this button to send a test message to your mobile phone to verify the settings are correct and the API URL is functioning with your provider.

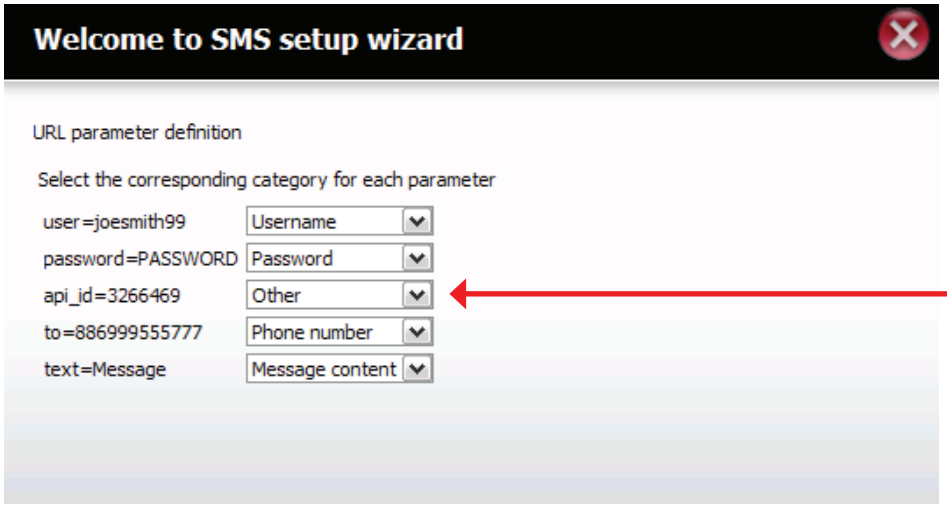


Adding an SMS Service Provider

Once you have a SMS Service provide you with a HTTP API URL, enter it into the Add SMS Service Provider wizard. Enter the URL in the first window with an appropriate Provider Name. In the next window select the appropriate HTTP API URL parameter types definitions from the drop-down menus next to the parsed fields of the URL.

Enter your SMS Provider name here.

Enter the HTTP API URL provided to you.

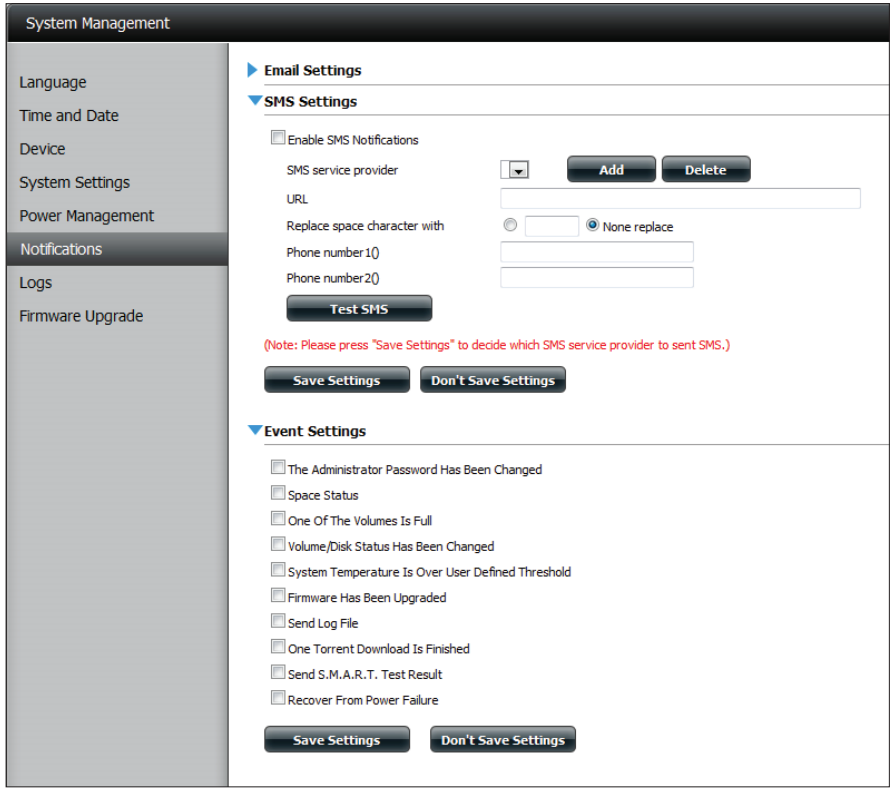


Choose the appropriate type parameter in the drop-down menu for the parsed parameters of the URL on the left.

Event Settings

You can limit which events are sent as alerts to the Email or SMS settings by checking the events here.

Event Settings: Select the information you want e-mailed to the above address or sent over SMS messages to the above mobile number. The items checked will be sent when necessary.



Logs

Within the Logs menu item you can setup your ShareCenter™ to receive Log Events from other ShareCenters™ or send the ShareCenter's™ log events to another ShareCenter™ or SysLog server. You can also view the NAS system logs and the FTP logs here.

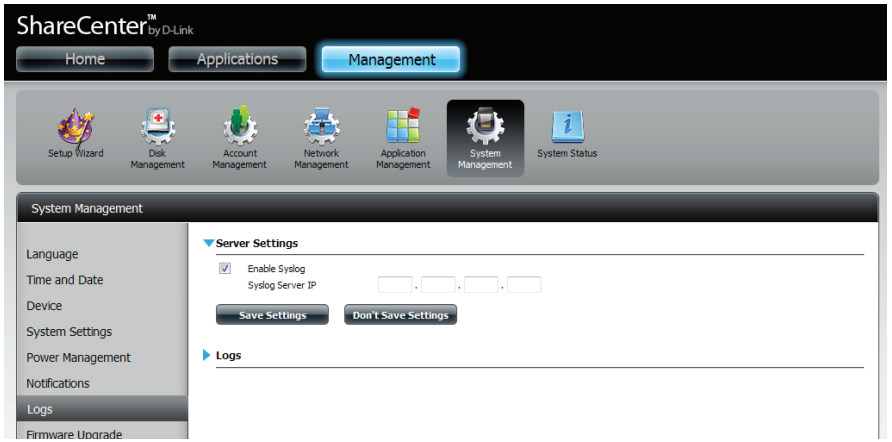
Click **System Management**, then Logs.

1. Click the **blue arrow** to reveal the **Server Settings**

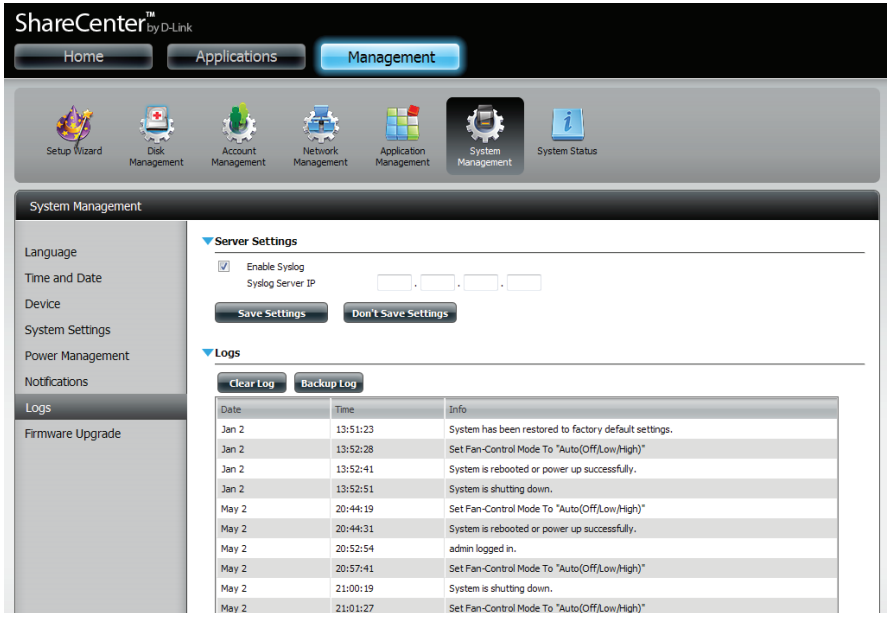
2. Click **Enable Syslog**.

3. Enter an **IP address**.

Click **Save Settings**.



Click the **blue arrow** to reveal the **Logs**.



Firmware Upgrade

The Firmware Upgrade Page makes it simple to check for and upload new firmware releases to the device. This section provides a link to check for new firmware on the D-Link support website. If new firmware is available, download the file to your local computer.

Click **System Management**, then **Firmware Upgrade**.

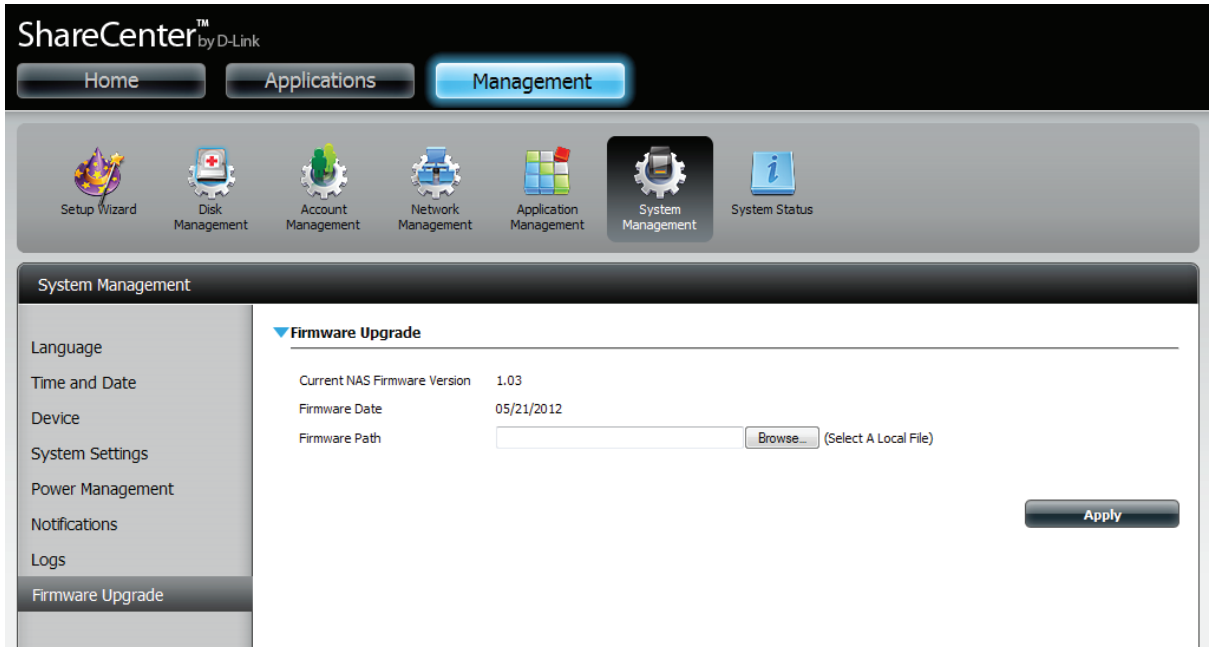
1. Click the **blue arrow** to reveal the current firmware version.

2. Click **Choose File** to locate the new firmware

3. Click **Browse/Open**

4. Click **Apply.**

The system will now reboot. Do not disconnect the power.



Status

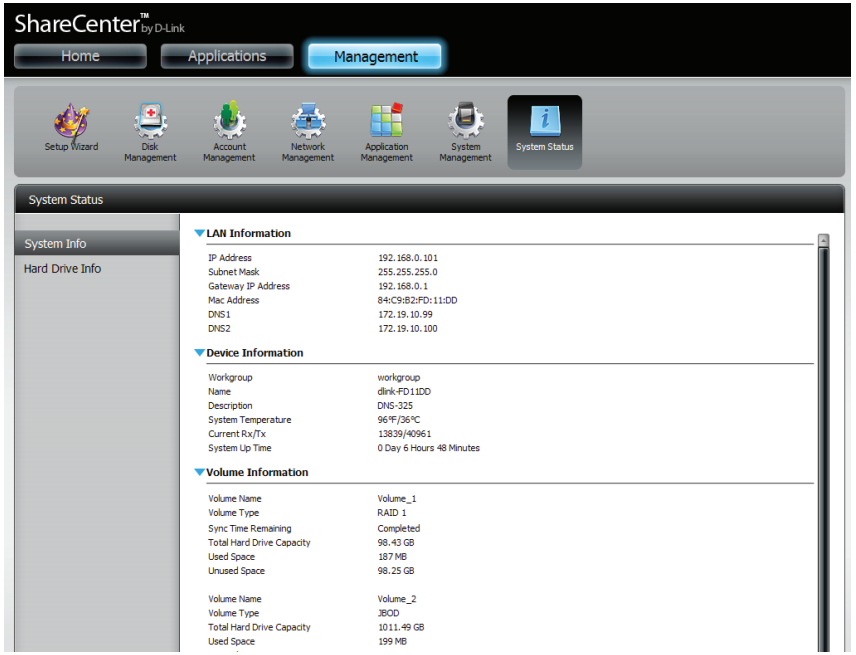
System Info

The System Status information screen provides information on the DNS-325. System Info provides information on the LAN ports, Device Information, and Hard Drive information. Hard Drive Info displays information on all hard drives including the manufacture details, temperatures, size, and status. Resource Monitor offers more detailed specs on the CPU, Memory, Bandwidth, and Processes.

Click **System Status**, then **System Info**

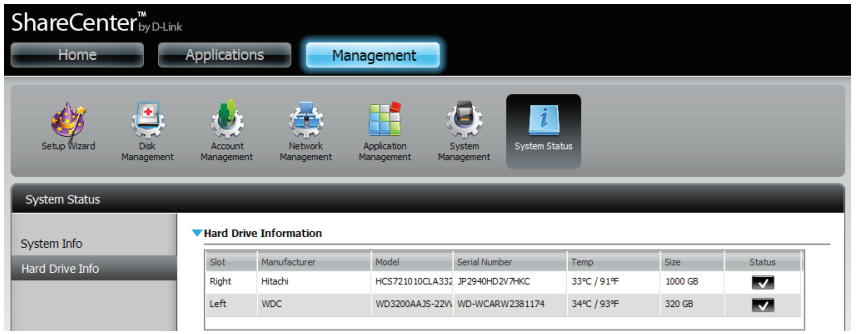
Click the **blue arrow** from each of the headings to reveal information on each segment.

LAN Information, **Device Information**, and **Volume Information**.



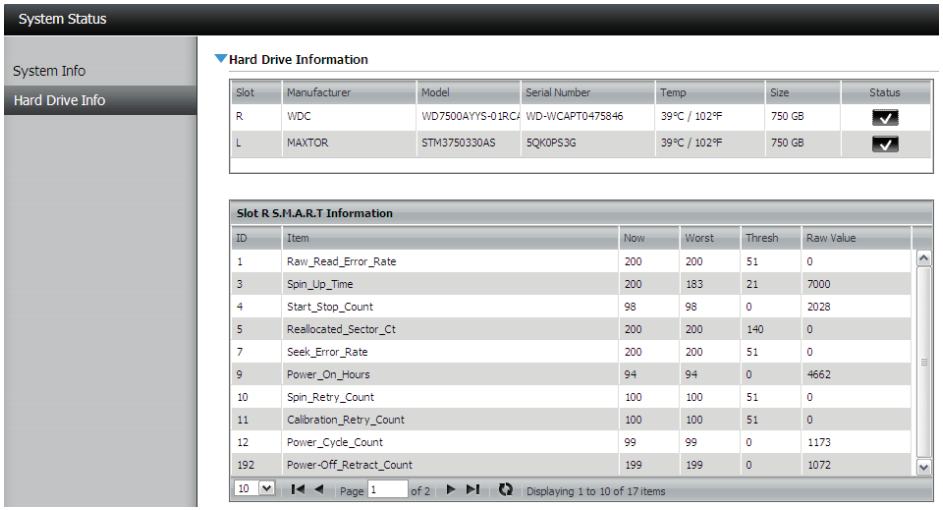
Click **System Status**, then **Hard Drive Info**.

Click the **blue arrow** to reveal a table of hard drive information.



Hard Drive Info

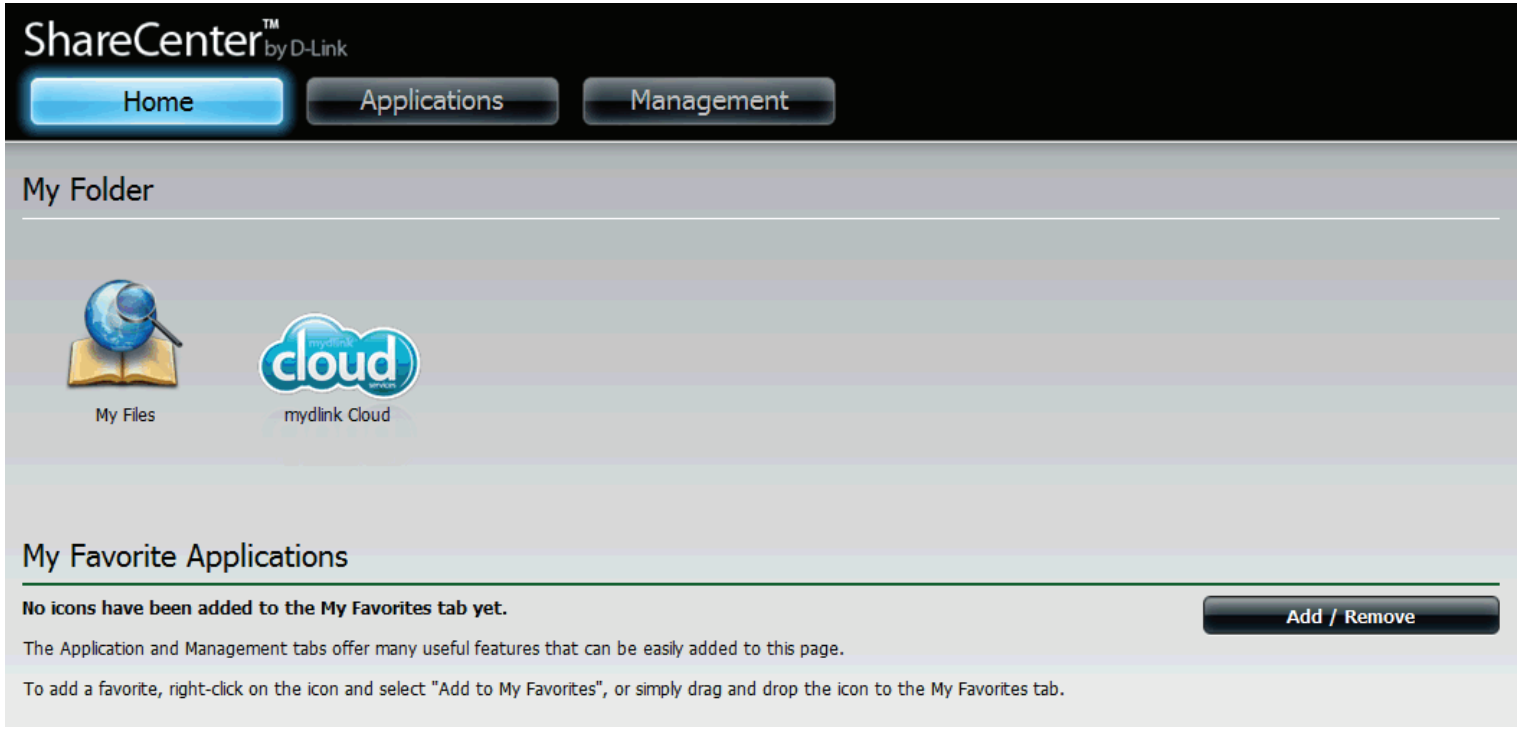
This section will display a summary of the hard drive(s) currently installed. The summary will include information such as the hard drive manufacturer, model, serial number, temperature, total capacity size, and status. The "Status" of the hard drive will display the health of the hard drive. If your hard drive is healthy, the status will display "Normal". If your hard drive is not healthy, the status will display "Abnormal". At any time, if you wish to view the S.M.A.R.T table of the hard drive, you can press the "Normal/Abnormal" button. After pressing the button a table appears with the S.M.A.R.T. data below the table of the Hard Drives installed.



Home

My Folder

The Home tab is the center for all files on your ShareCenter™. Home is divided into one main subfolder called My Folder. Under My Folder resides two main utilities, My Files and mydlink Cloud. Let's take a closer look at both utilities independently.

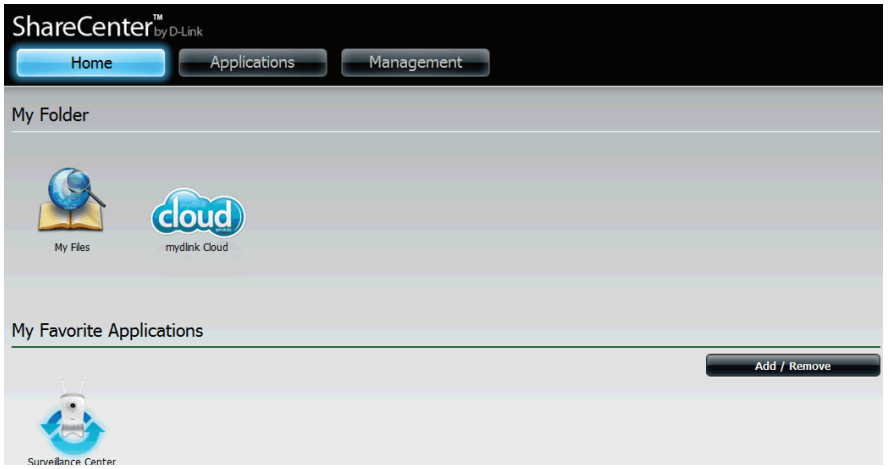


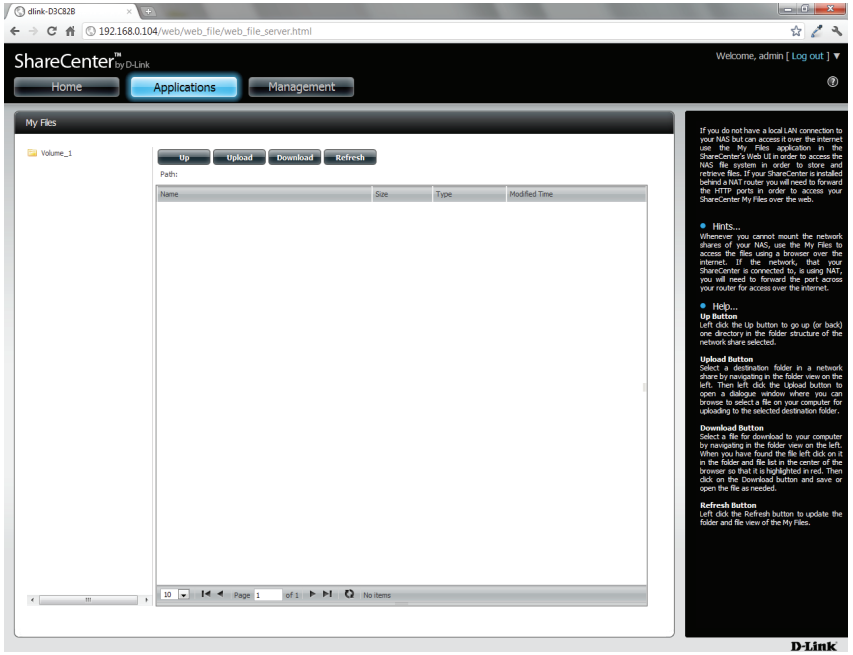
My Files

Users can access files on their ShareCenter™ by clicking the **My Files** icon in the **My Folder** window under **Home**. **My Files** provides access to all your files on the NAS.

Click **My Files**.

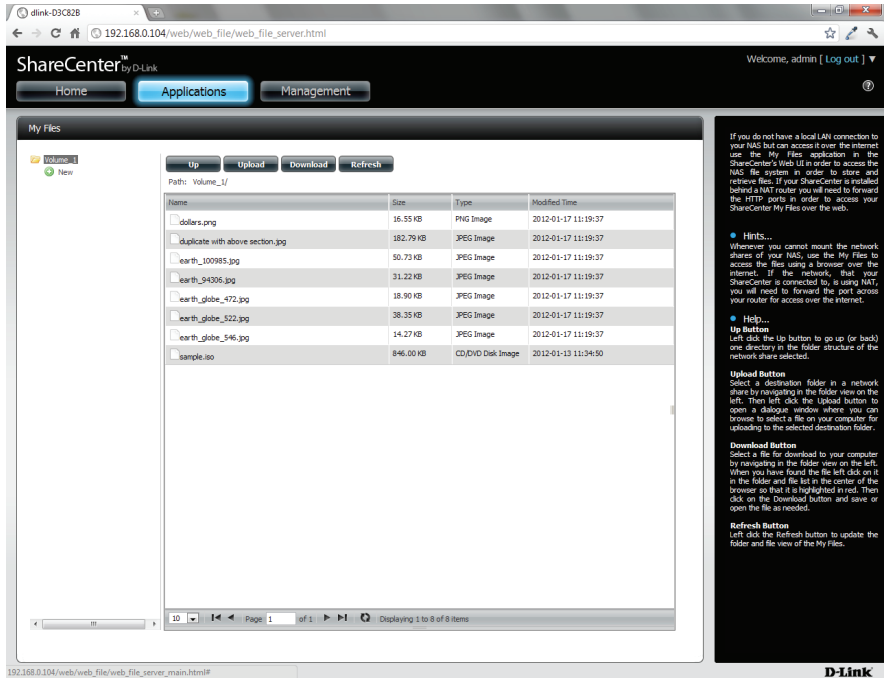
The **My Files** window provides a list of all **volumes** created on the NAS. Click on any **Volume** you created to see a directory listing of the files.

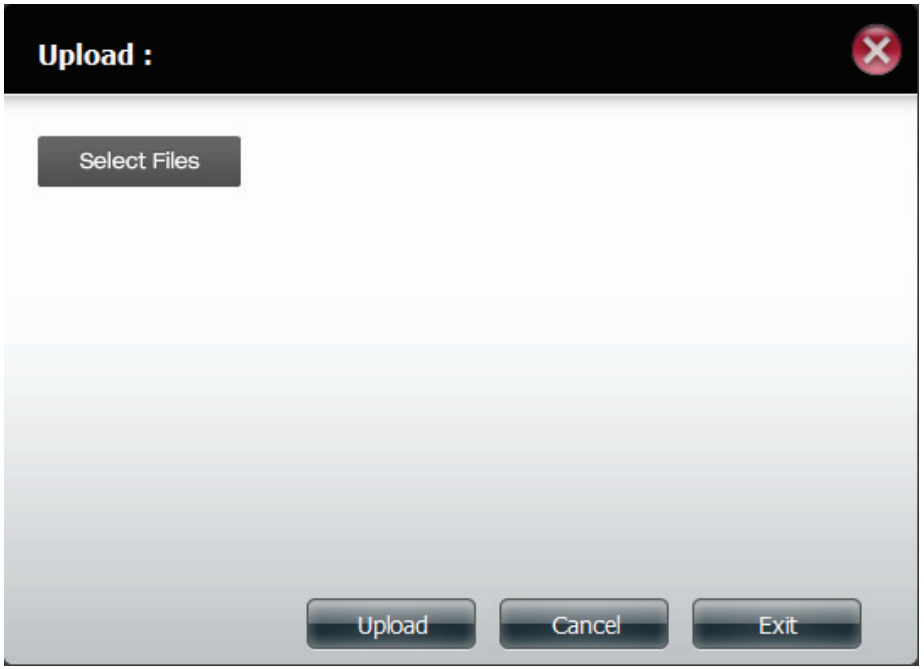




My Files - Upload

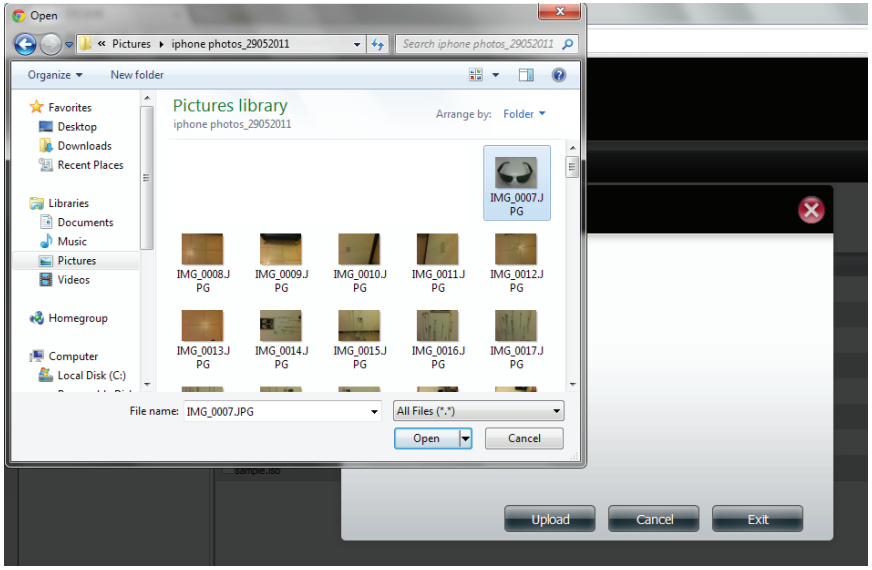
To upload more files to the volume you have selected, click the **Upload** button. Click the **Select Files** button to find files on your computer to upload to the NAS. Locate the path of the file you want to upload and click **Open**.

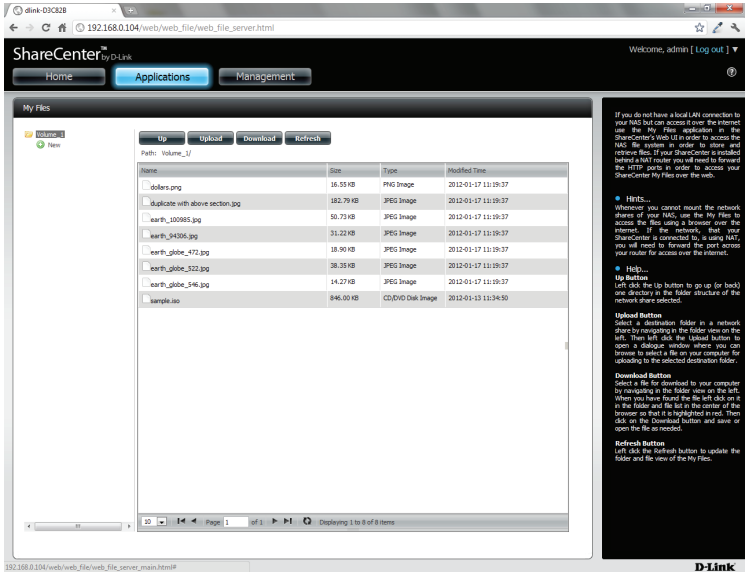




My Files - Upload

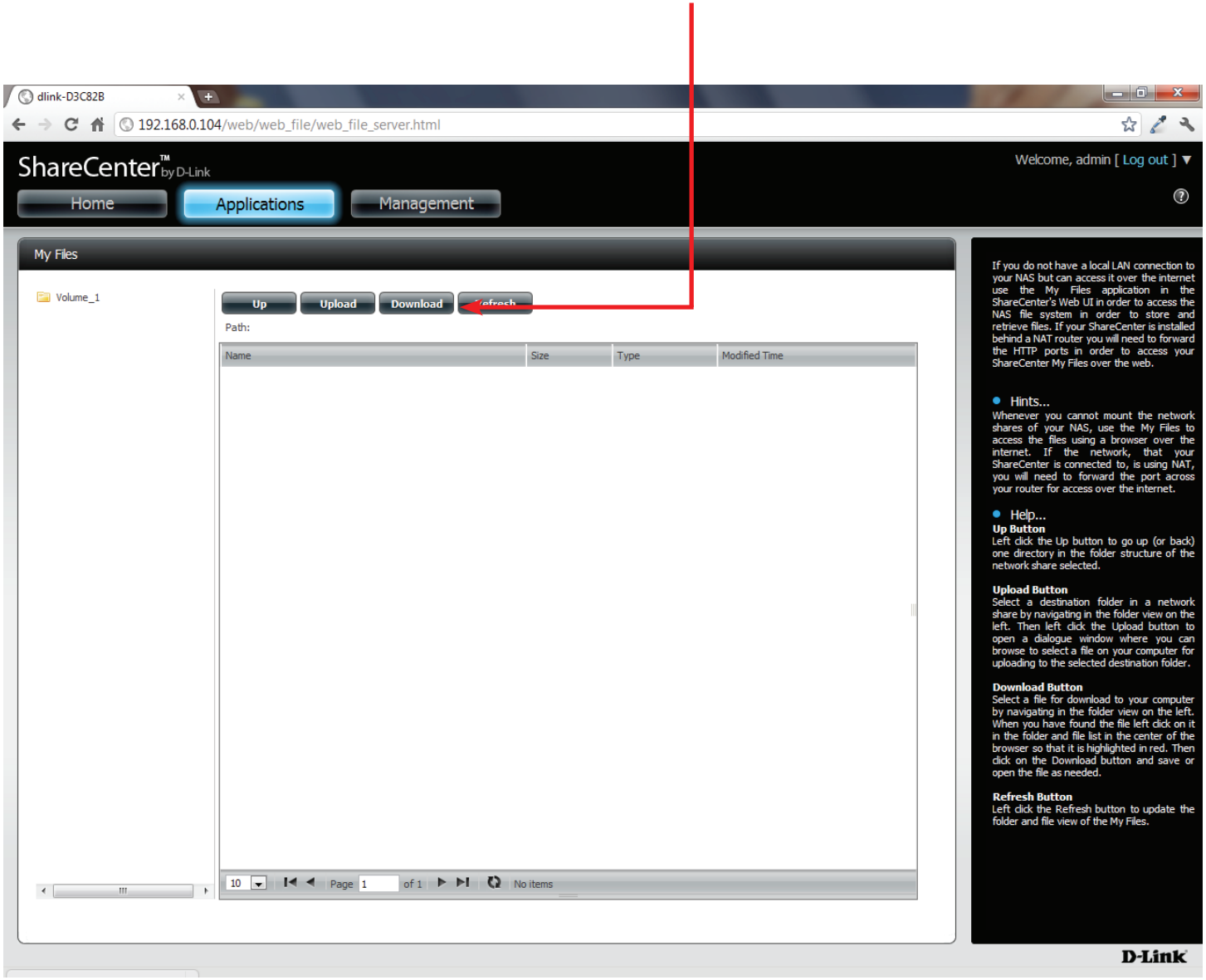
Locate the path of the file you want to upload and click **Open**. The file updates to the NAS and is displayed on the directory table.





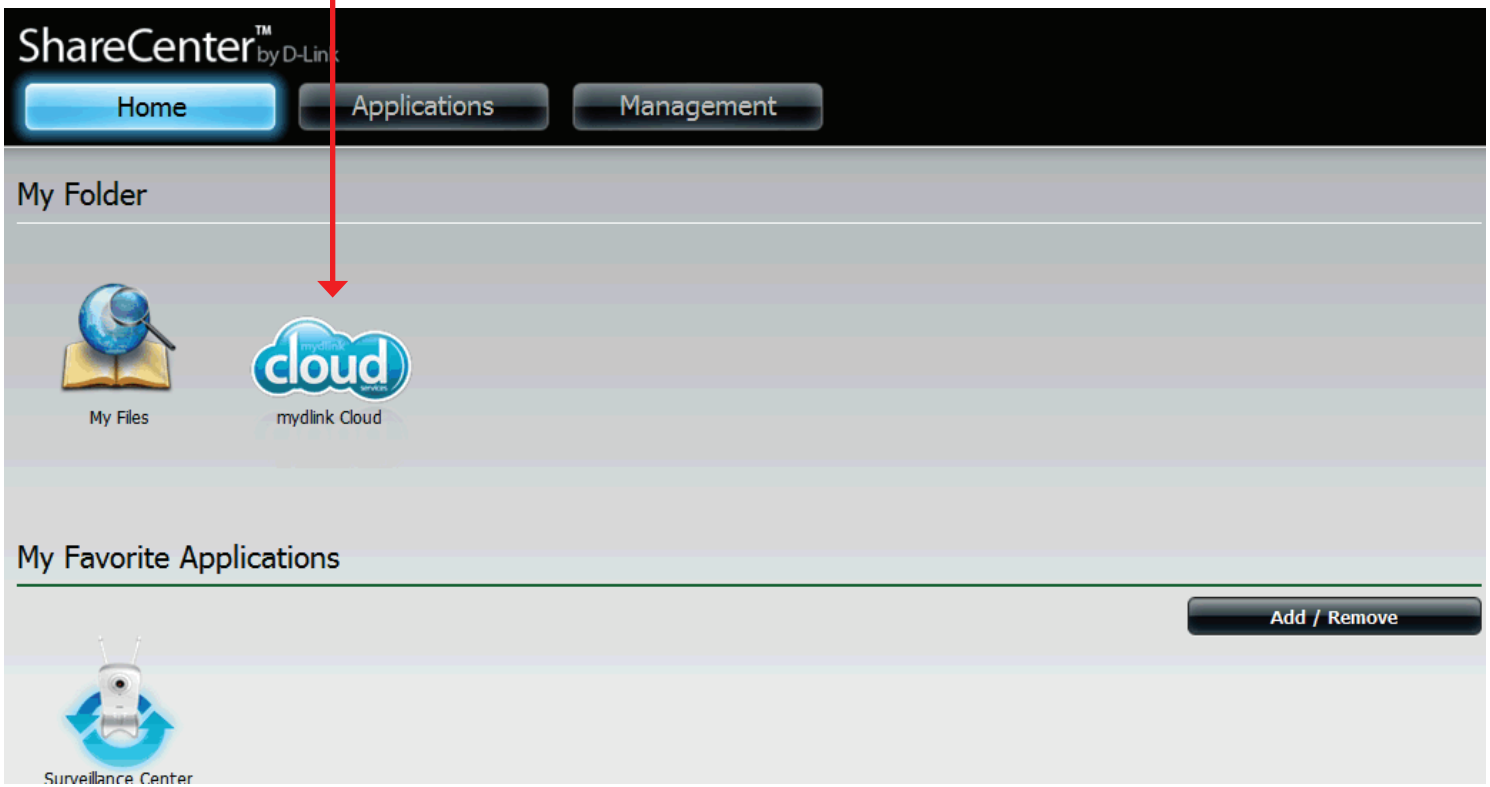
My Files - Download

To download photos from the NAS on to another workstation click the **Download** button. Depending on your browser the file automatically downloads the file to your saved location.



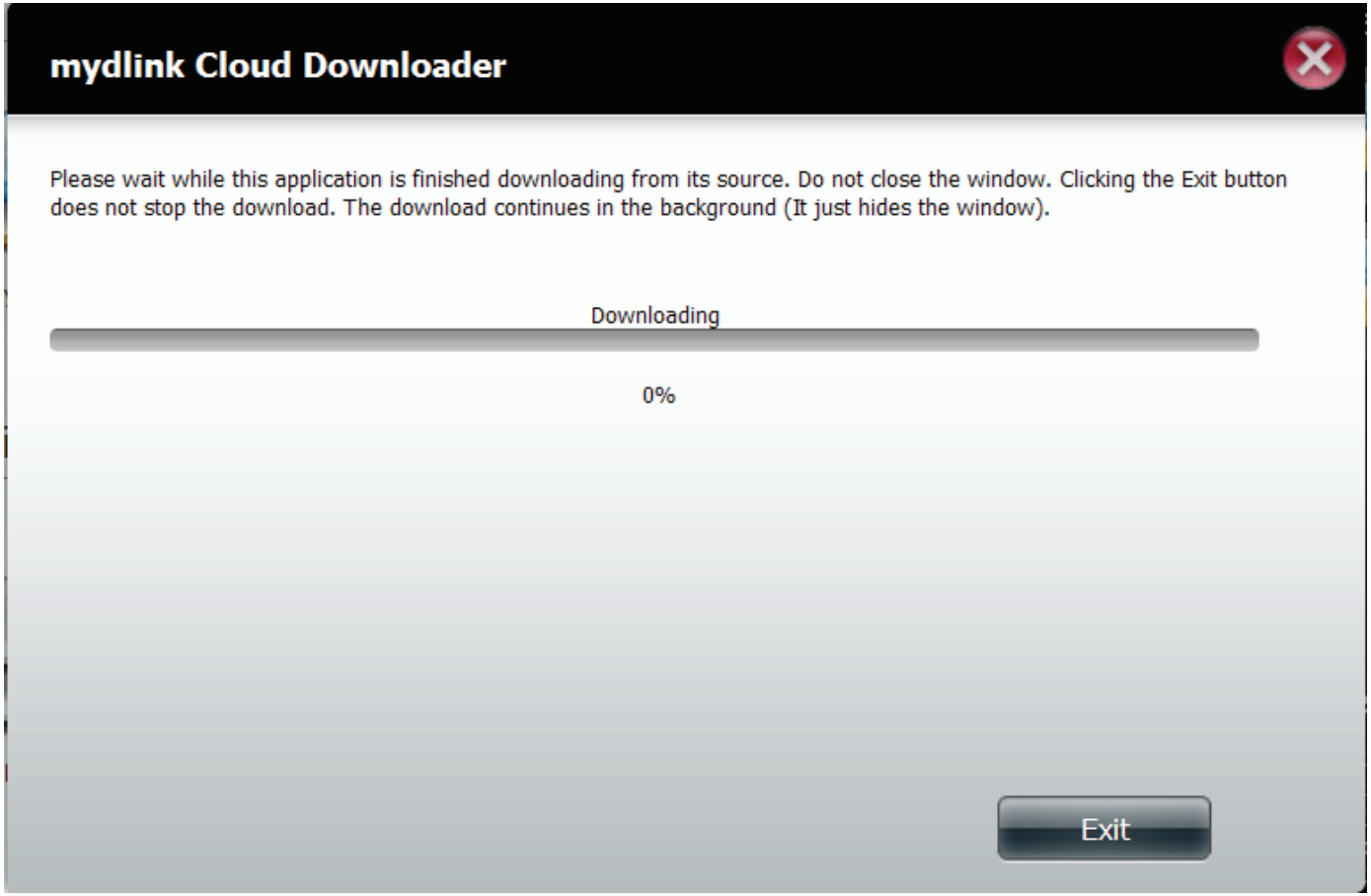
mydlink Cloud

mydlink Cloud is a **D-link** service that brings cloud services to the ShareCenter™. Access these services by clicking the **mydlink Cloud** icon on the **Home** screen.



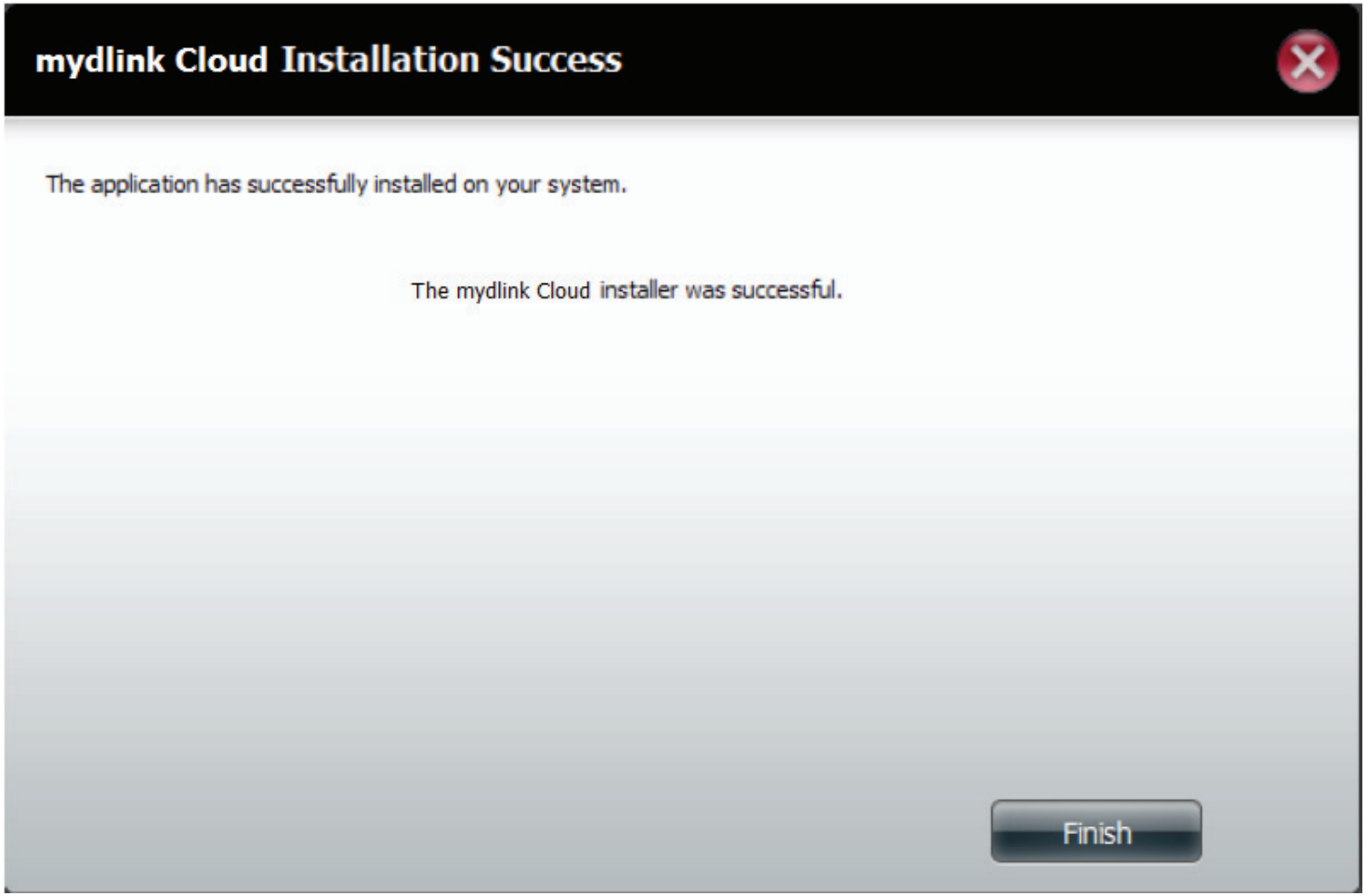
mydlink Cloud Activation

mydlink Cloud is a **D-link** service that brings cloud services to the ShareCenter™. Access these services by clicking the **mydlink Cloud** icon on the Home screen. The ShareCenter™ downloads the software and installs it on your **NAS.**



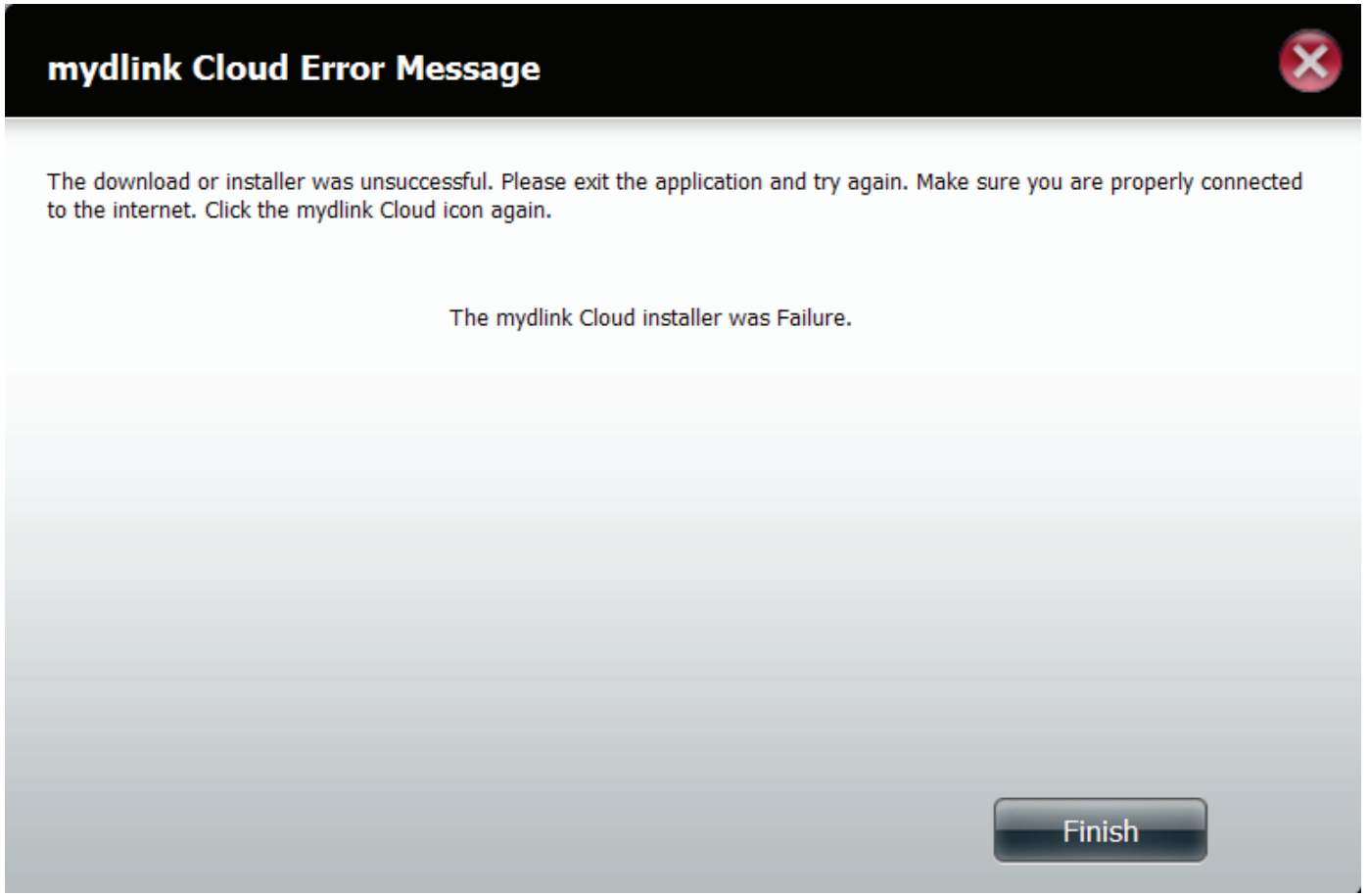
mydlink Cloud Activation

Once the software is installed on the NAS, the setup is complete. Click **Finish** to exit the wizard.



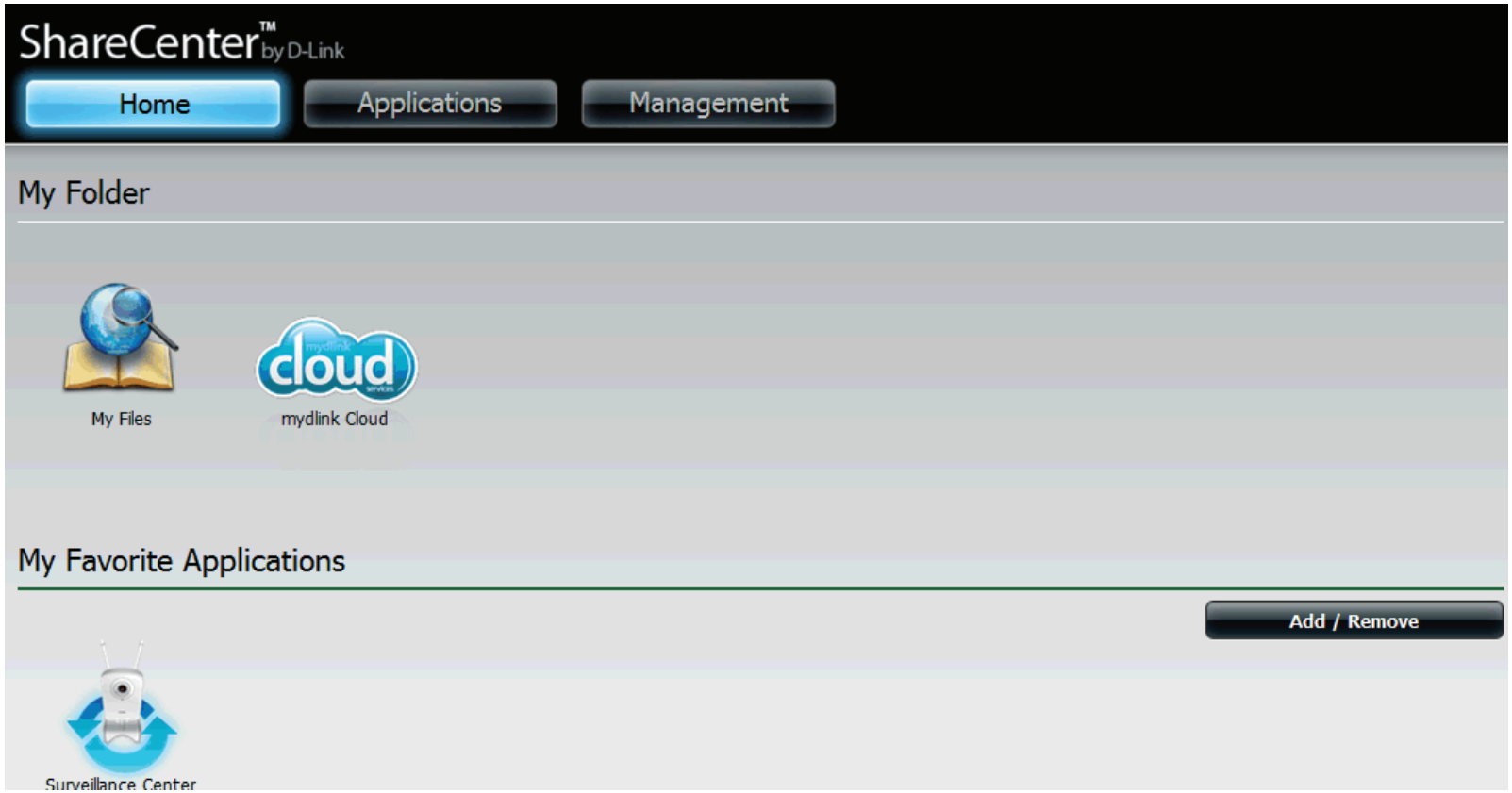
mydlink Cloud Access Failure

mydlink Cloud connects to the D-Link website in order to run the cloud service. If you do not have an internet connection a **mydlink Cloud** error will appear.

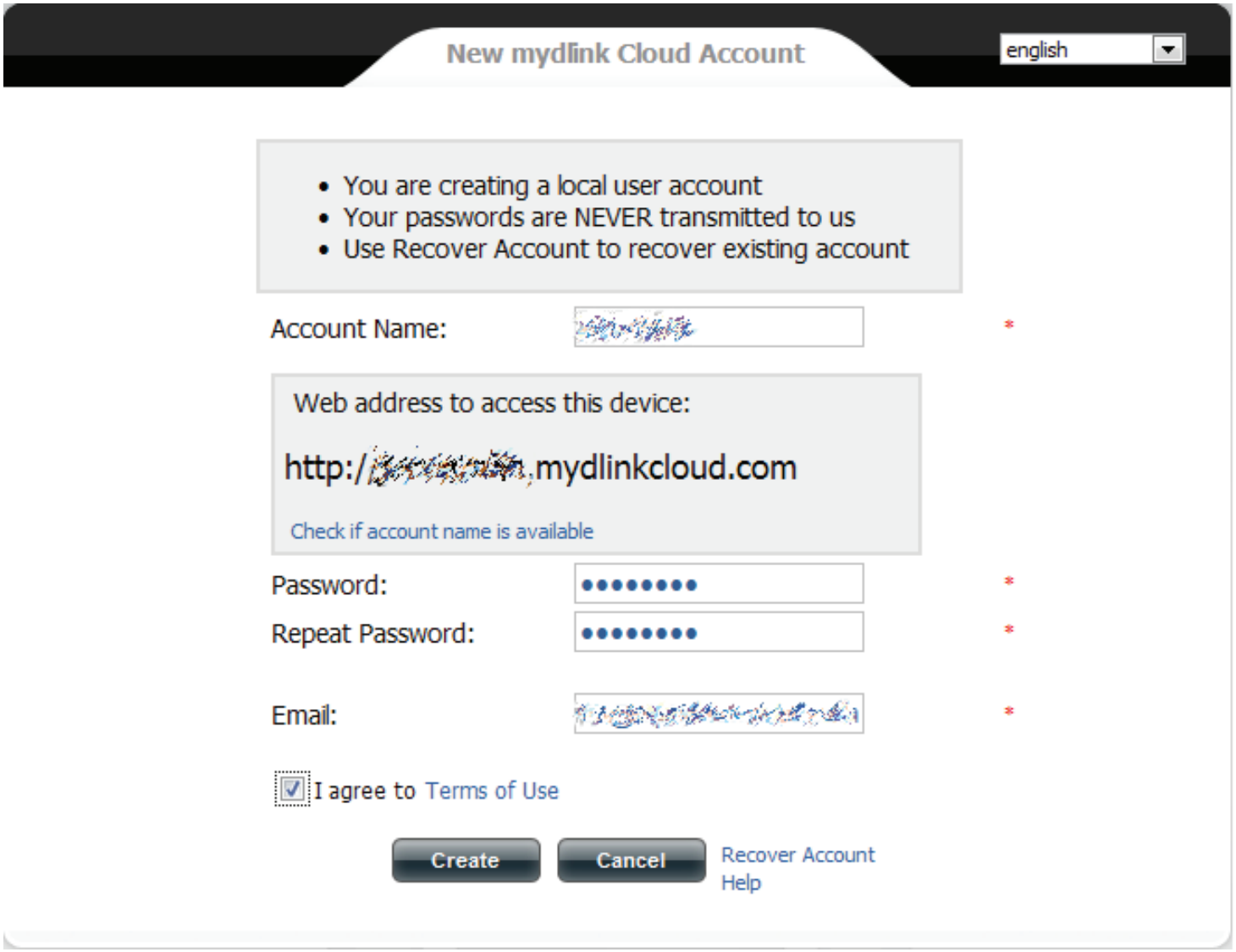


Accessing mydlink Cloud

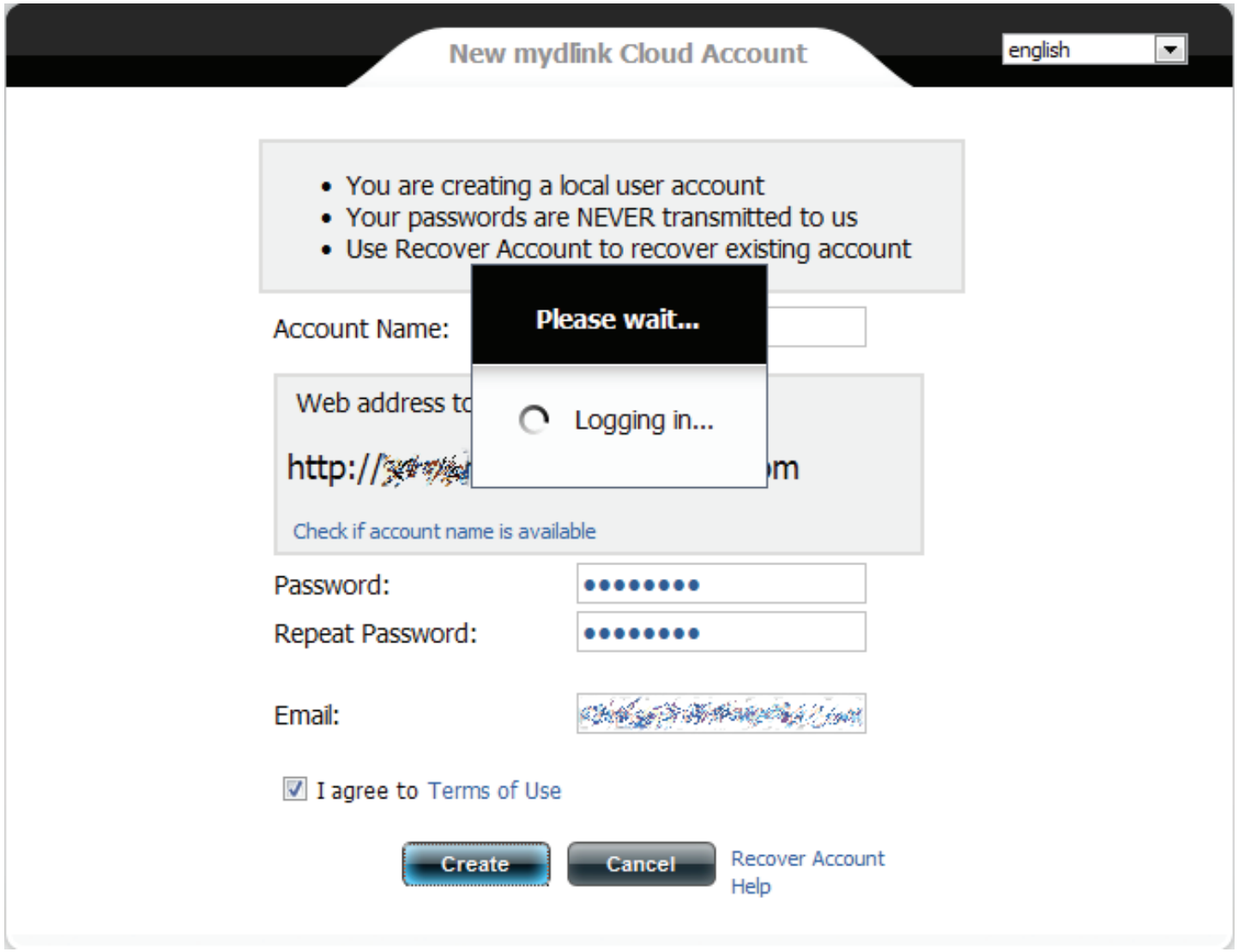
Once you have accessed your DNS-325, click on the **mydlink Cloud** icon in the Home window.



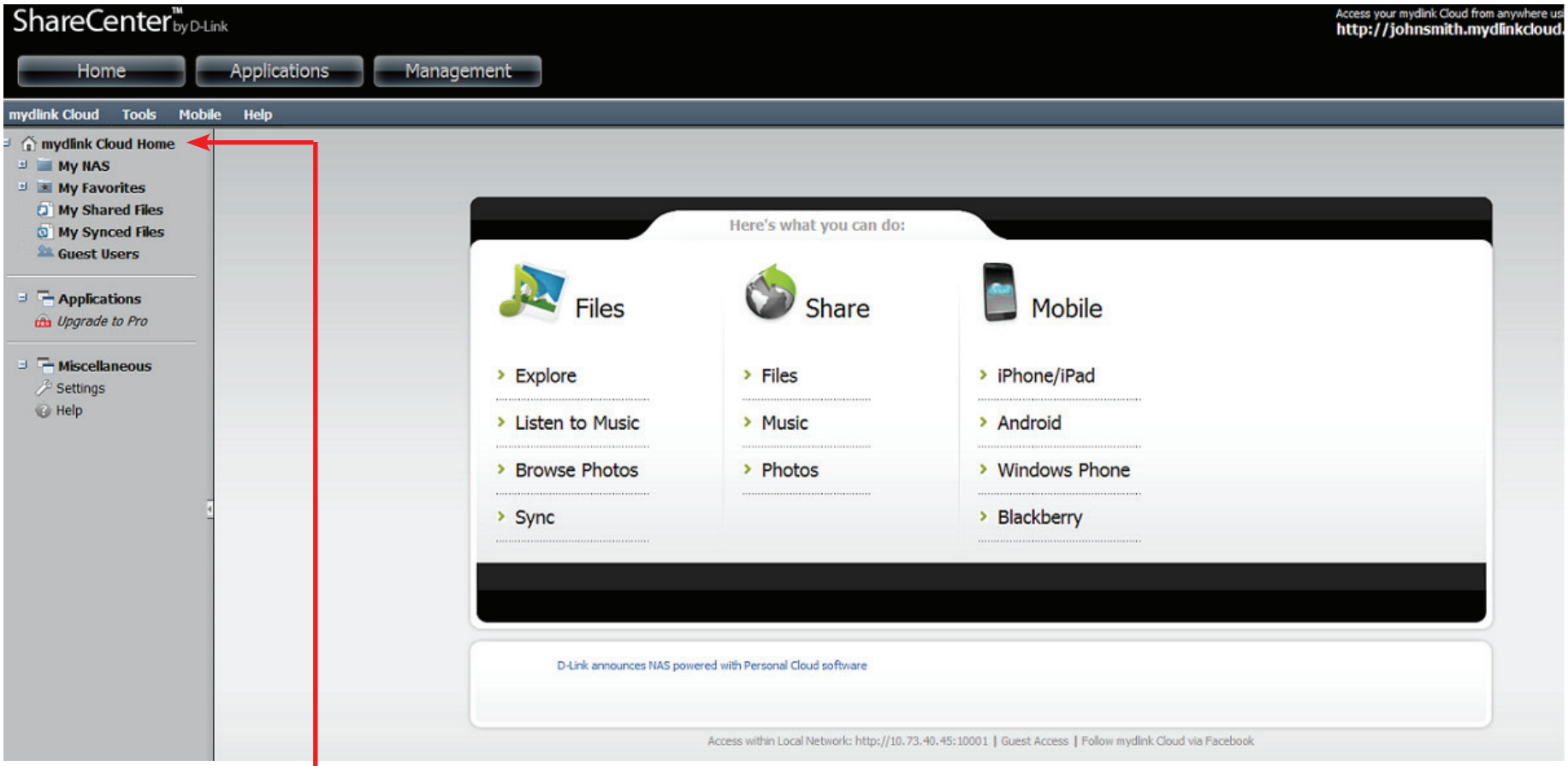
Register for a **My D-Link Cloud Account**. Fill in all the fields provided, agree with the Terms of Use and click the **Create** button.



After you have clicked the **Create** button the software logs you onto the **mydlink Cloud**.

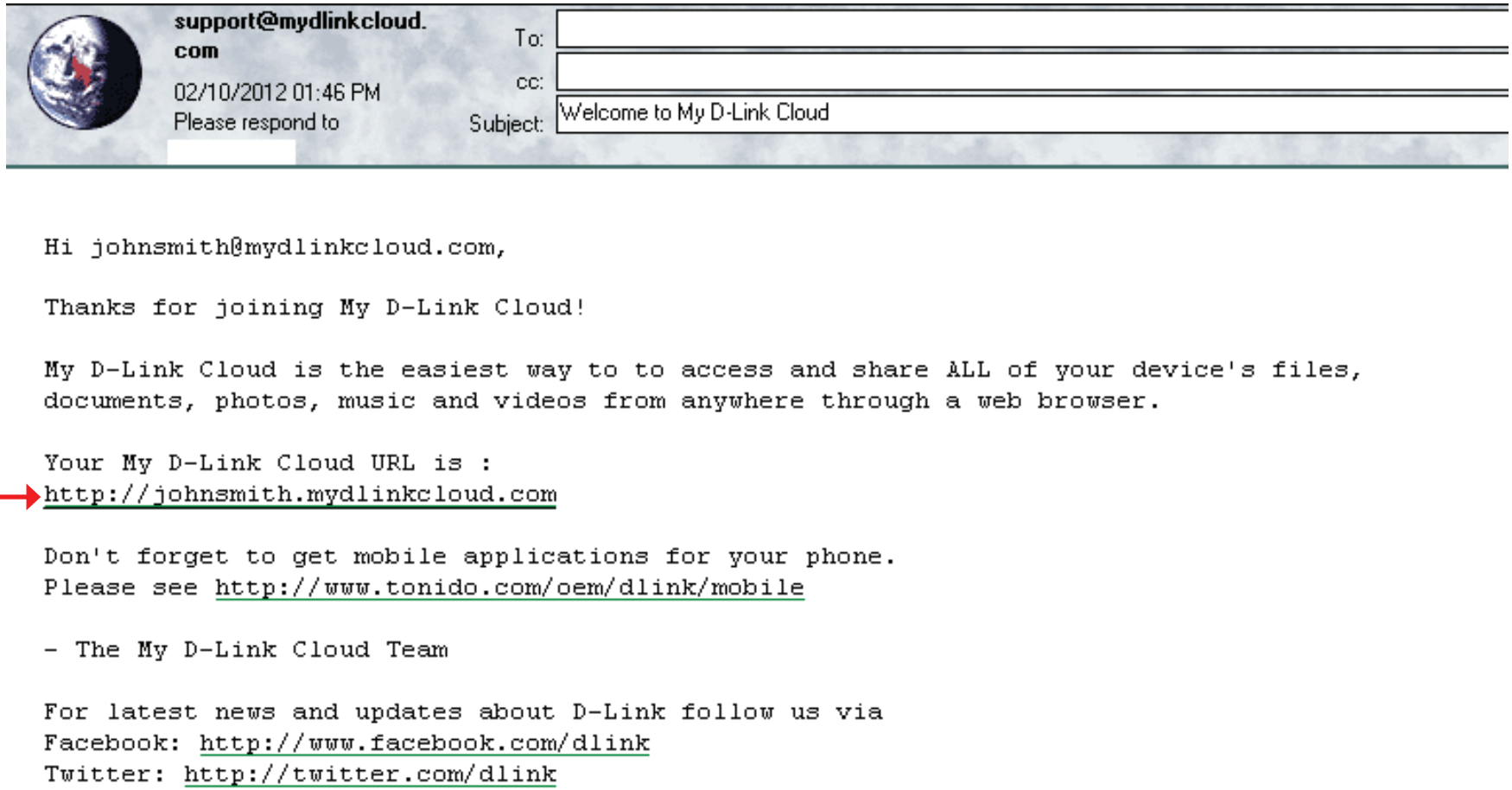


You are now connected to the **mydlink Cloud** web interface. The three main sections in this browser view are **Files, Share, and Mobile**.



If you wish to return to the main section click the **mydlink Cloud Home** link to the left of the window in the side panel.

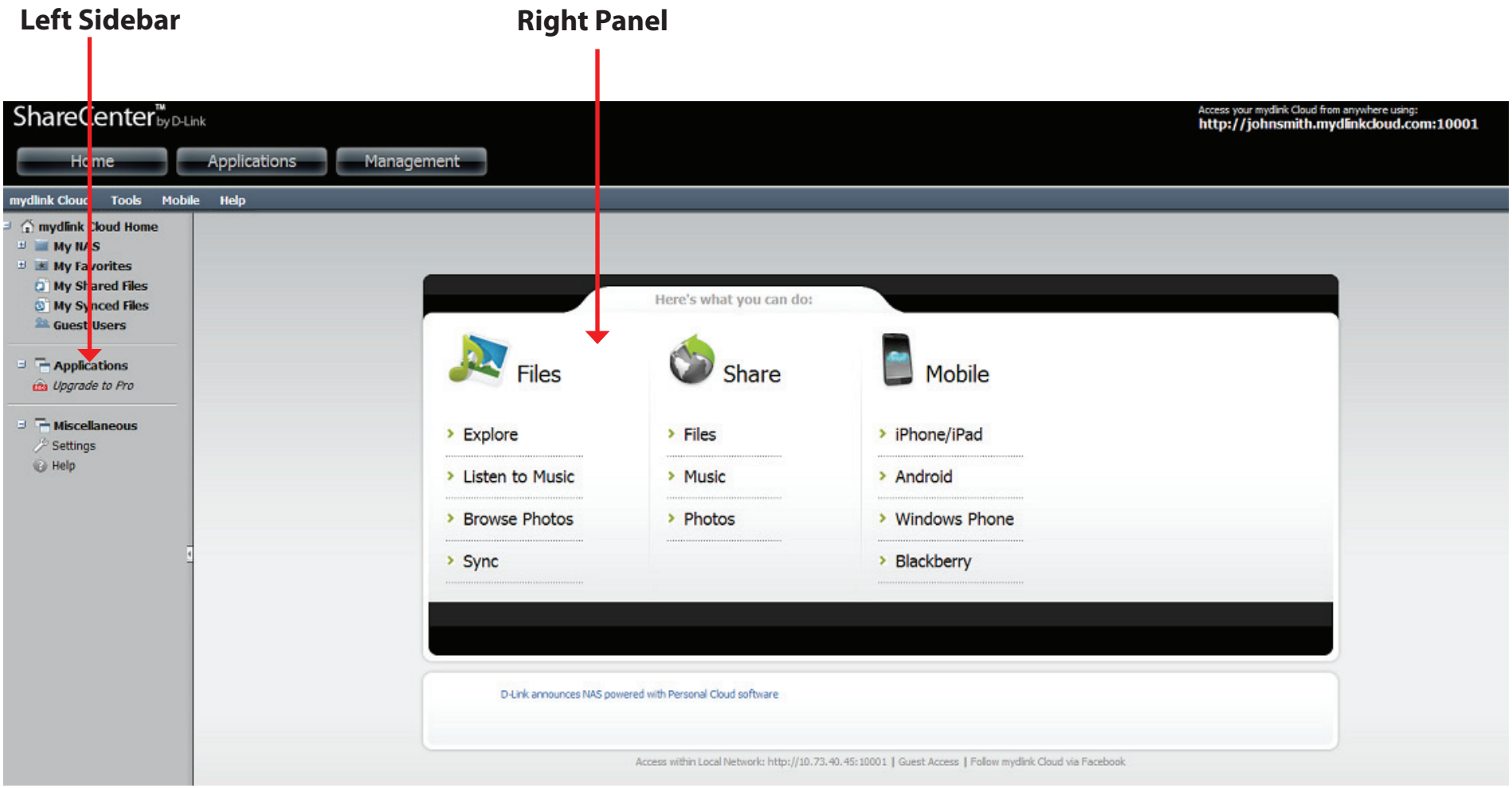
When you registered your email address with the **mydlink Cloud** service, you registered using an email address. The **mydlink Cloud** administrators will send you an email showing you how to log onto the service from any device and will also provide you with a link to connect to the server.



Click on the **http link** as seen above to access the **Cloud** service online.

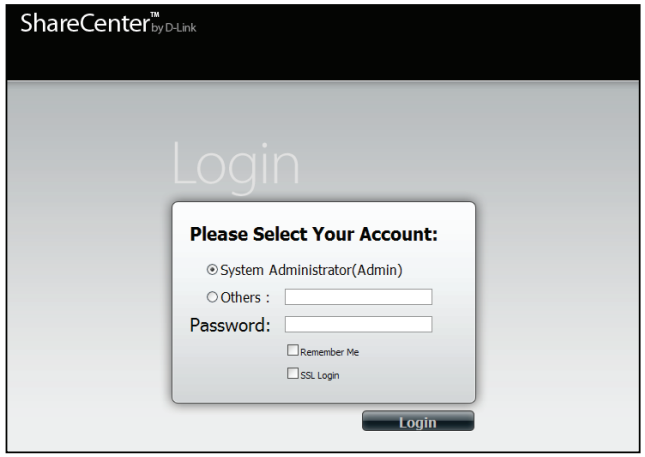
The mydlink Cloud Interface

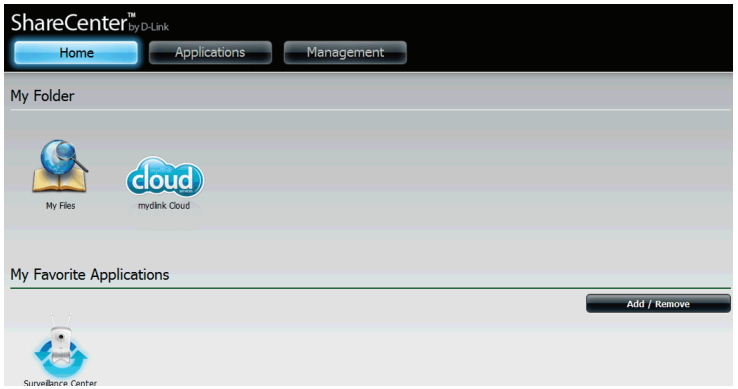
The **mydlink Cloud** web interface is divided into two parts. The left panel shows the hiarachical structure of the files connected to **mydlink Cloud Home** and the right panel shows the separate categories for each feature.

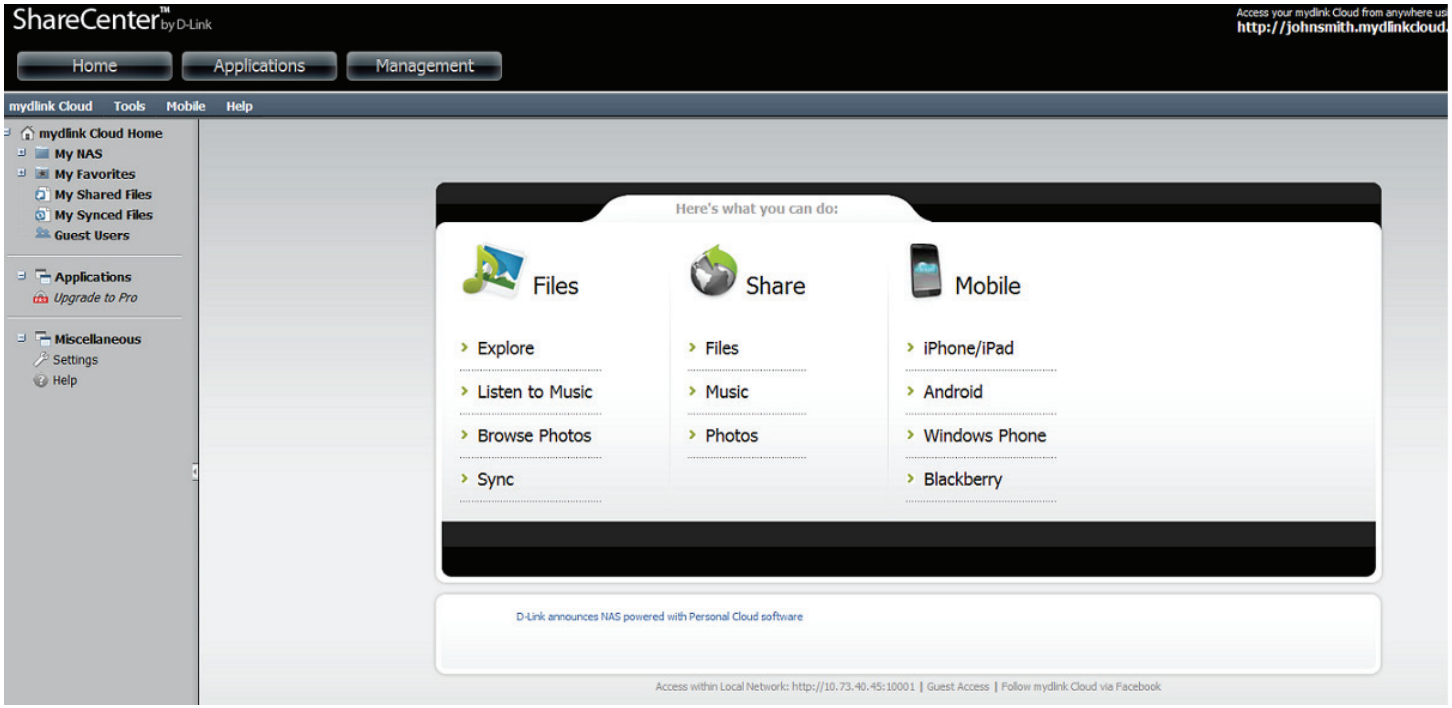


Logging in to mydlink Cloud using a mydlink Cloud URL

Connect your NAS using a **mydlink Cloud URL**. Enter the **mydlink Cloud URL** into your browser and press **Enter.** You will be provided with your **mydlink Cloud account** login page, enter your password and press **Login** to continue.

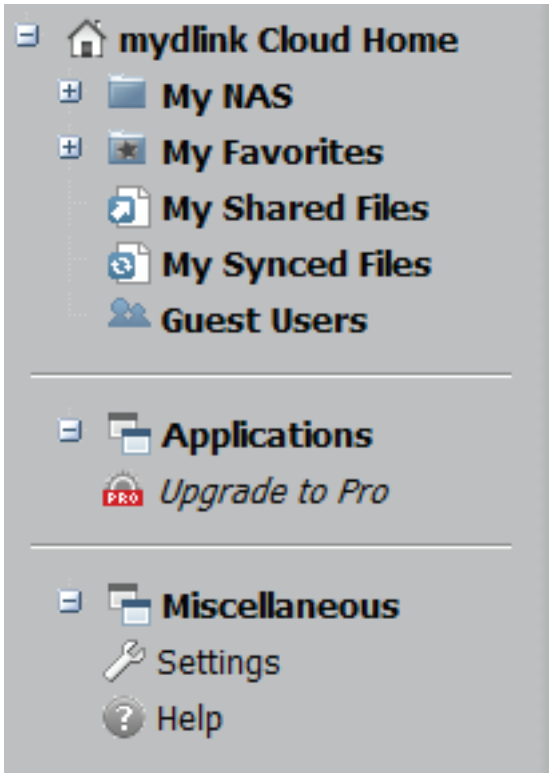






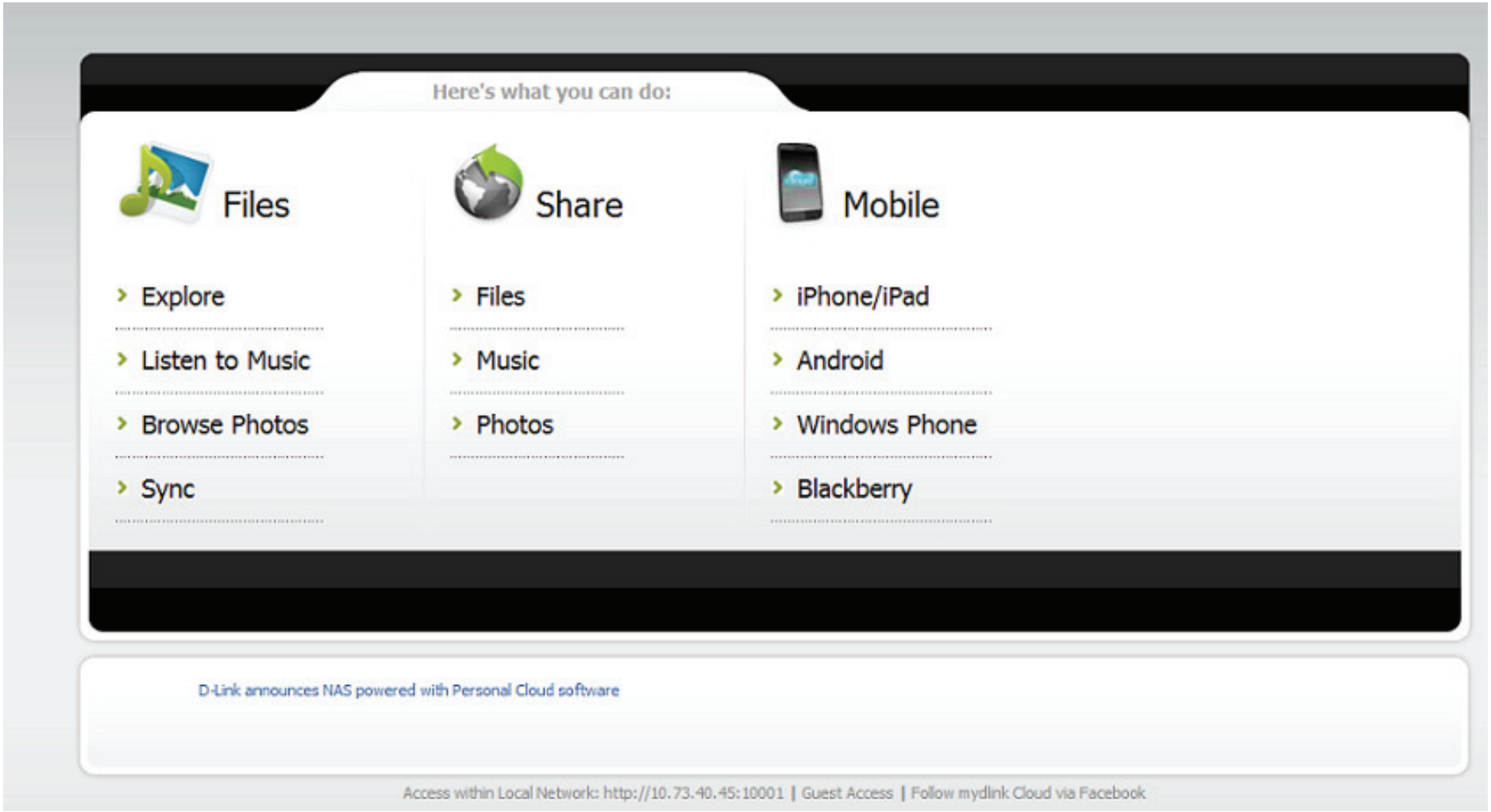
Exploring the mydlink Cloud Interface

The **mydlink Cloud** web interface is divided into two sections - a left sidebar and a right panel. The left sidebar has the cloud's main hierachical structure and the right panel has the Cloud's functions. The left sidebar contains the main **mydlink Cloud Home** with the following structure tree below: **My NAS**, **My Favorites**, **My Shared Files**, **My Synced Files**, **Applications**. and **Miscellaneous**.



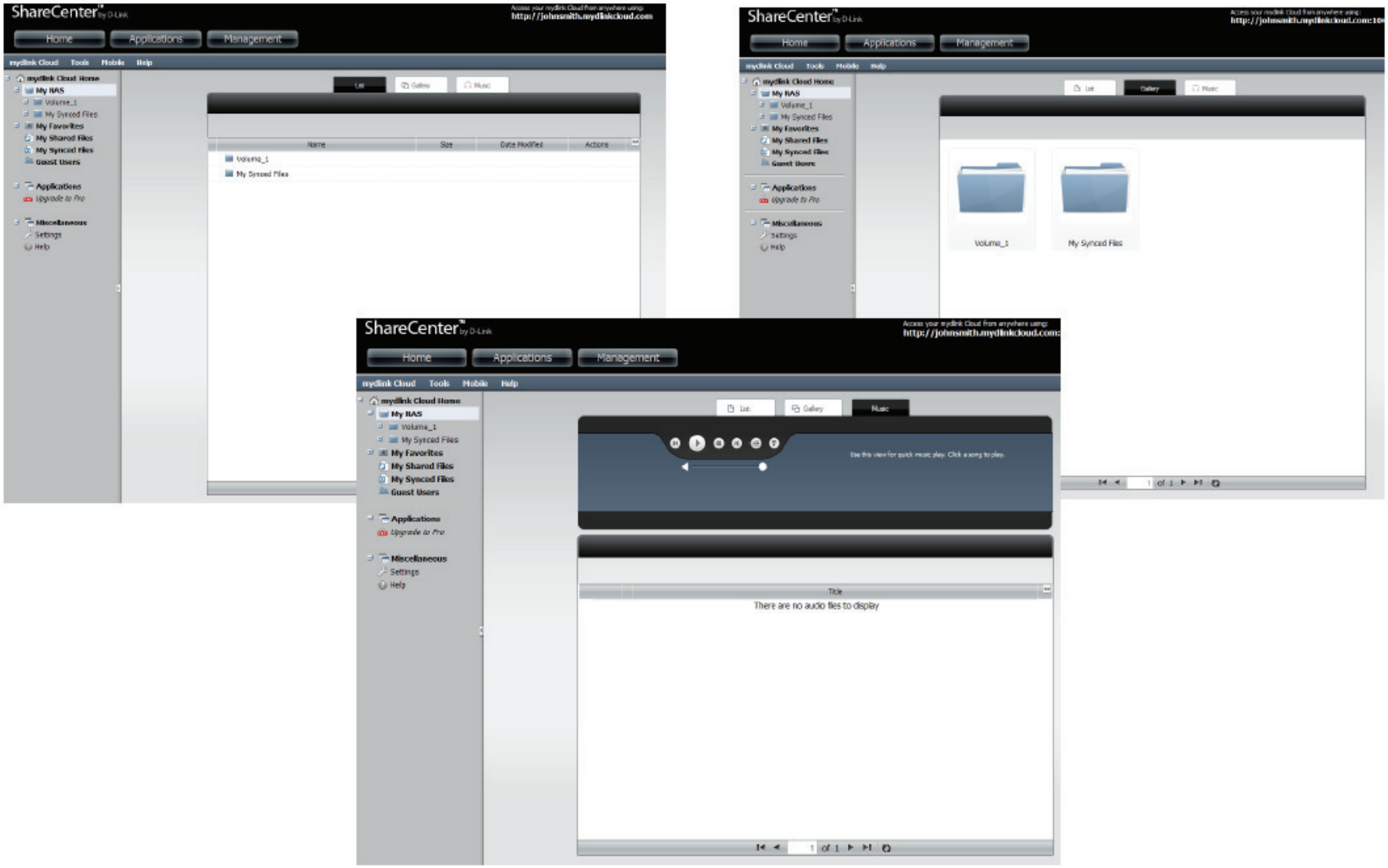
Exploring the mydlink Cloud Interface

The default **mydlink Cloud** right panel shows various **File**, **Share**, and **Mobile** options. In **Files**, you can **Explore** the directory, **Listen to Music** (explore the music directory), **Browse Photos** (explore the photo directory), and **Sync** files. The Share directory allows you to do similar functions, share **Files**, share **Music**, and share **Photos**. **Mobile** allows you to configure mobile options for **iPhone/iPad**, **Android**, **Windows Phone**, and **Blackberry.**



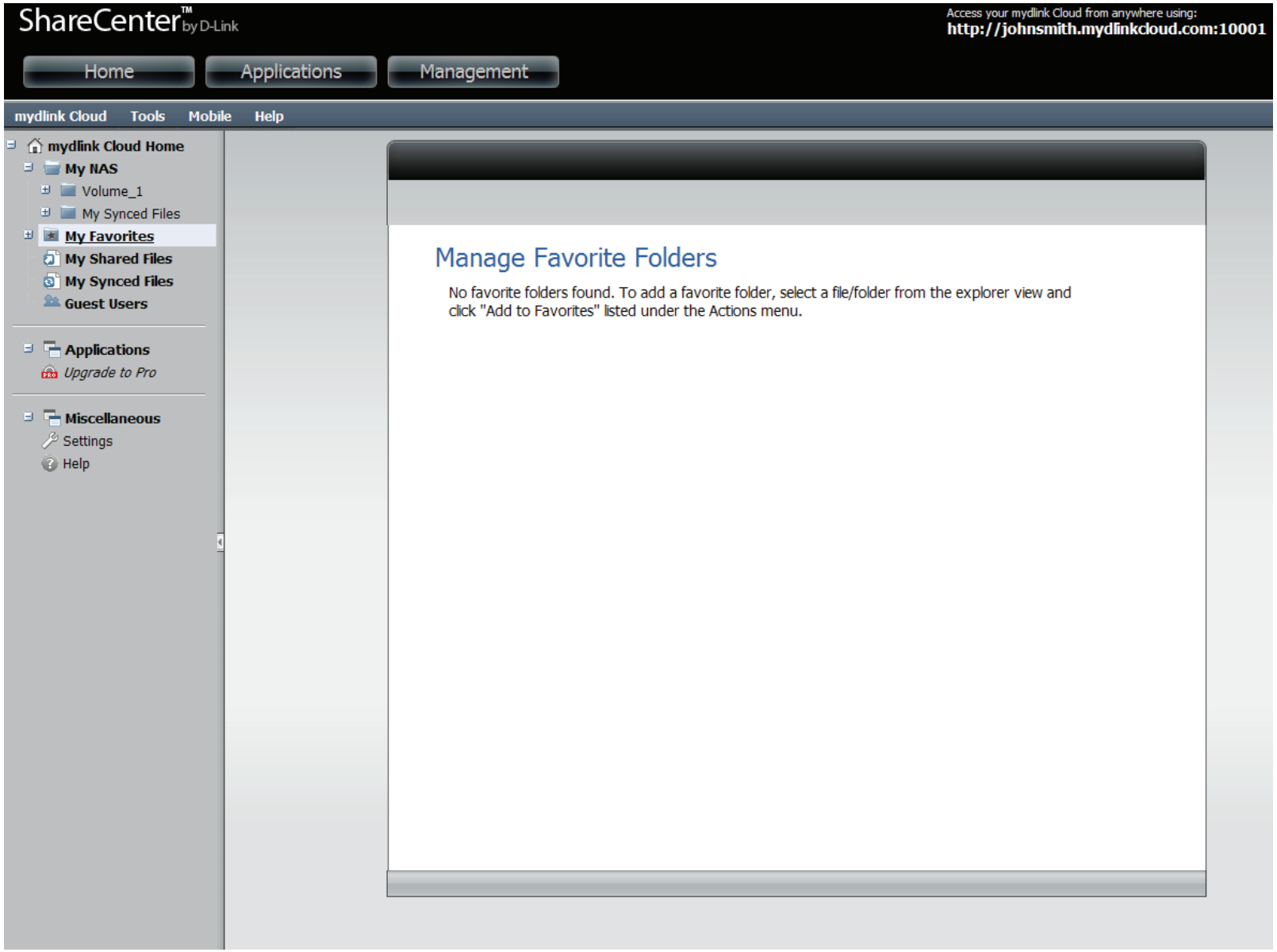
mydlink Cloud - My NAS

My NAS contains all the files on your system. If you have created several drives or volumes on your NAS, they will all appear in this section. **List** mode provides a list of folders on your NAS. **Gallery** shows a larger image of the folders on your NAS. **Music** shows where the music files are located.



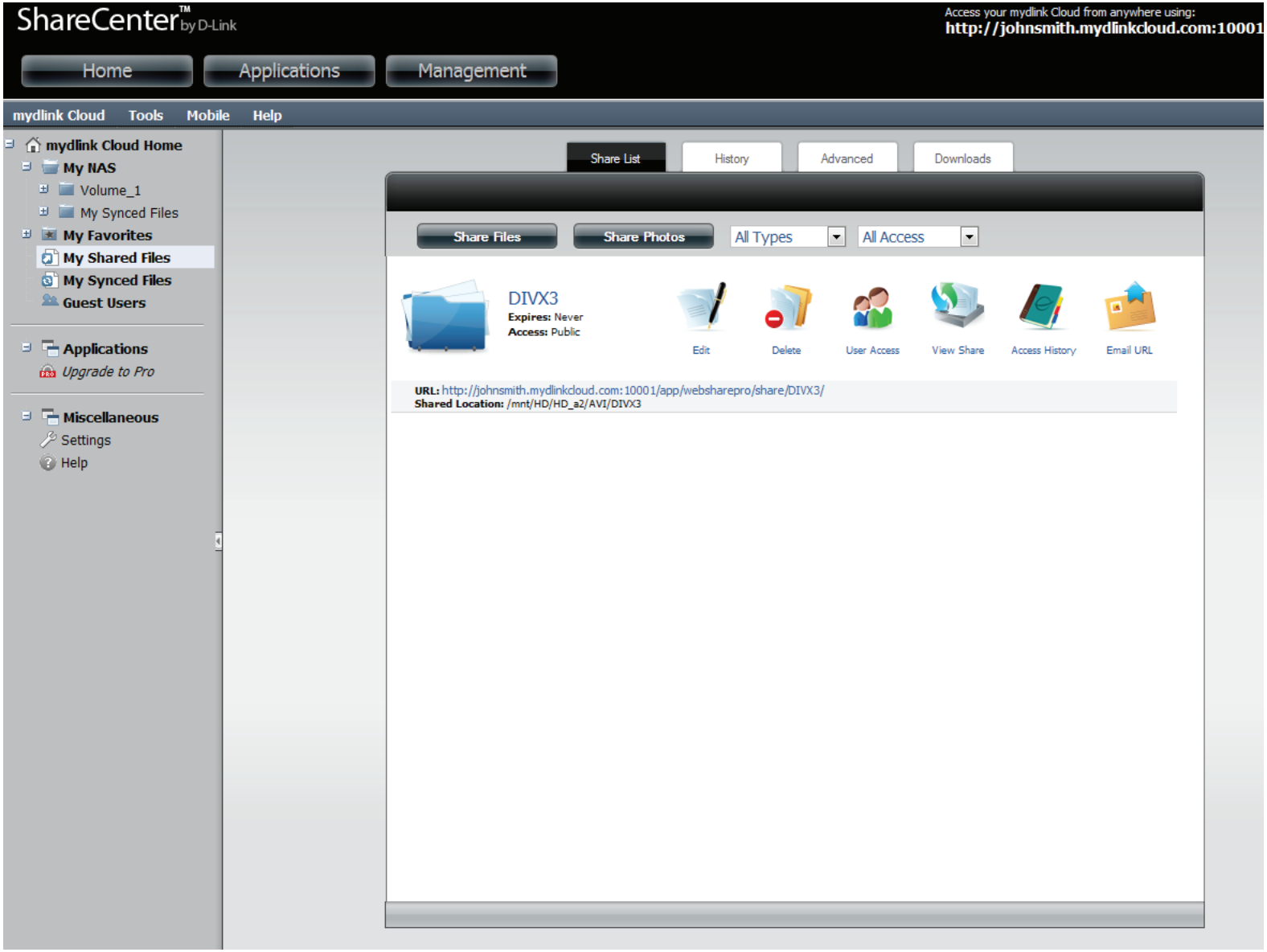
mydlink Cloud - My Favorites

My Favorites is a selection of folders you have created on your NAS that represent functions on the NAS. Follow the instructions on the screen to add and manage your **Favorites** Folders.

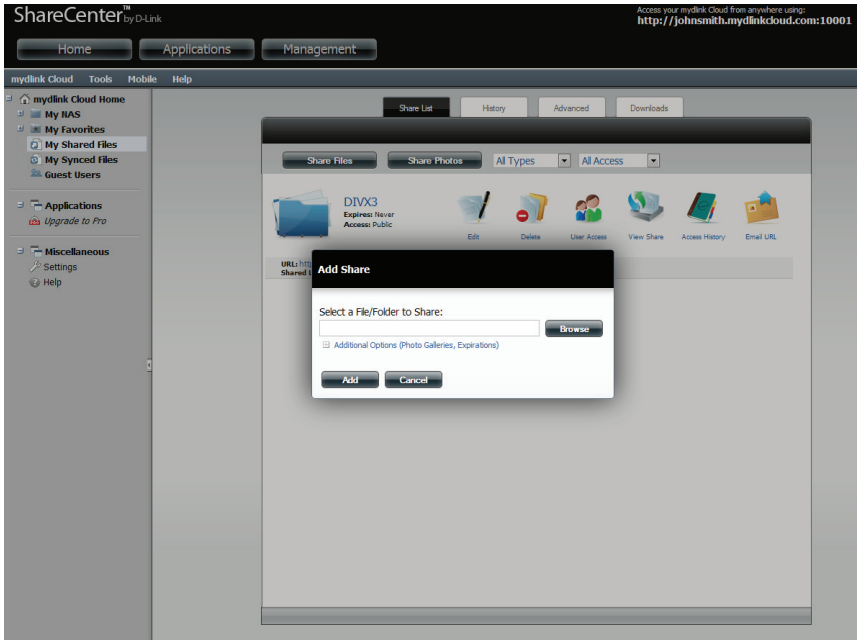


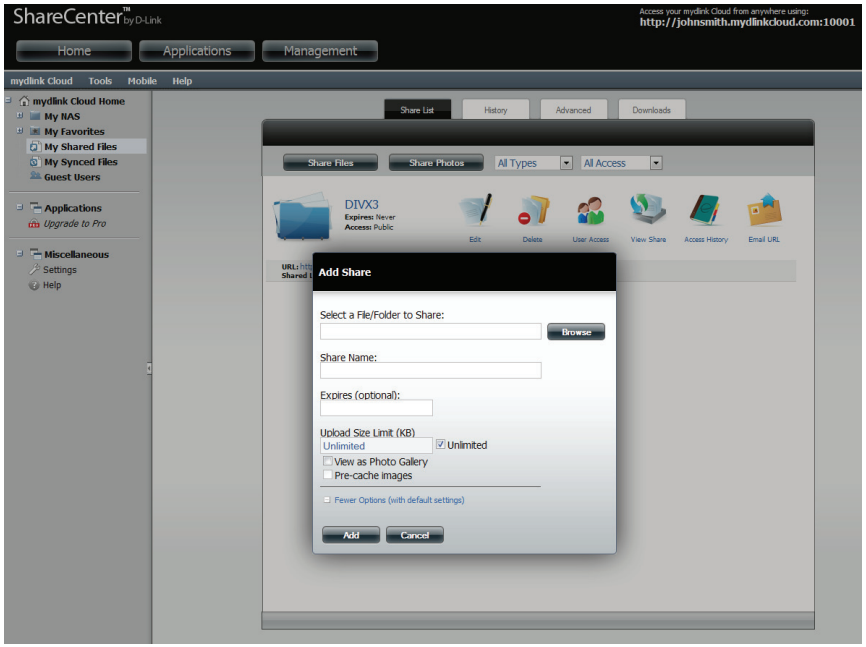
mydlink Cloud - My Shared Files

My Shared Files is an online utility that allows you to **share**, **edit**, **delete**, **create user access**, **view shared items**, **access a historical view of the files** and **email a dedicated URL to users**. The first tab is a Share List of the functions you can do. Click each icon to refer specifically to its capability.

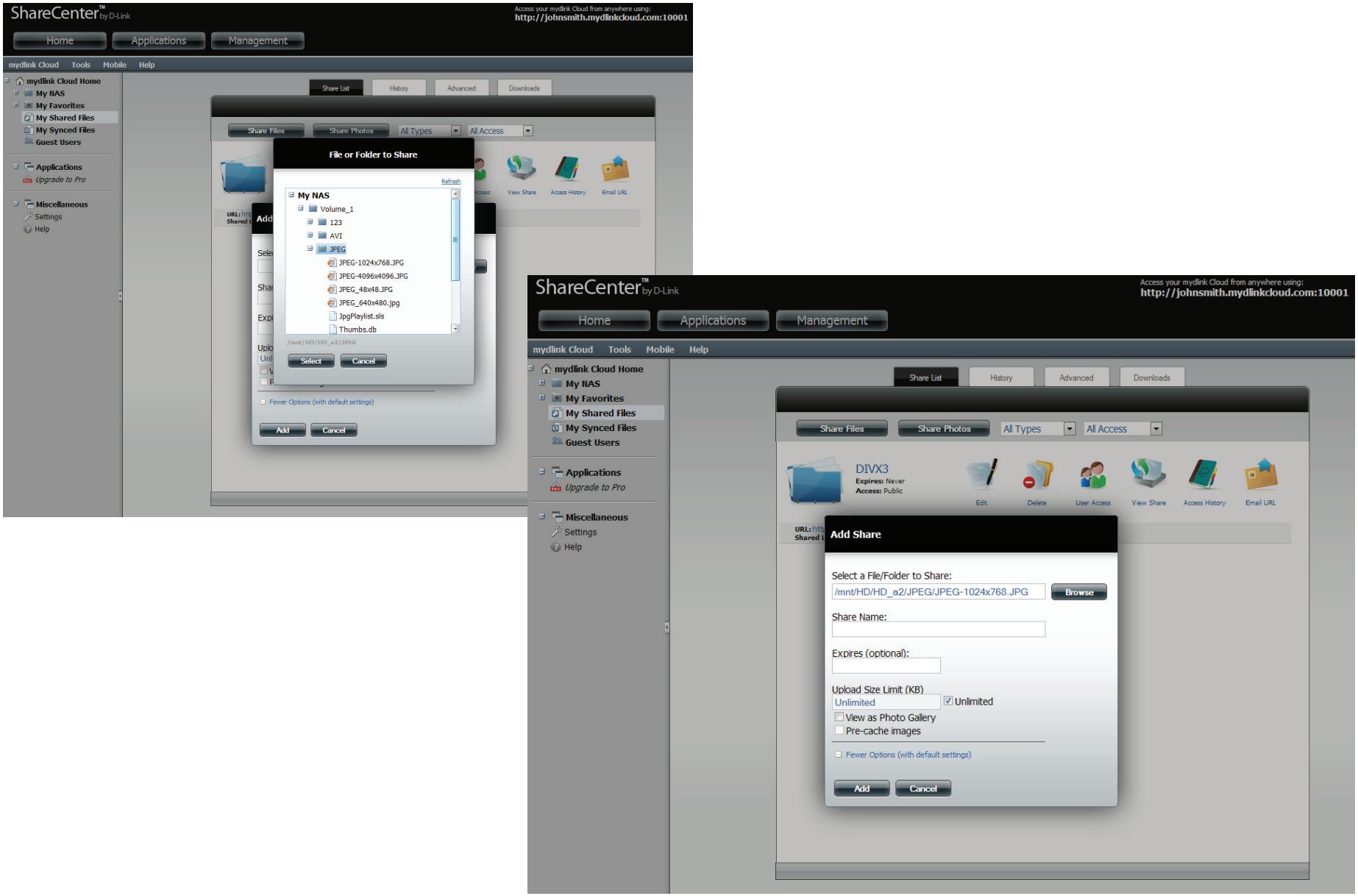


Create a **share folder/file** by clicking the **Share File** button. Click **Additonal options** to see a wider choice of selections.

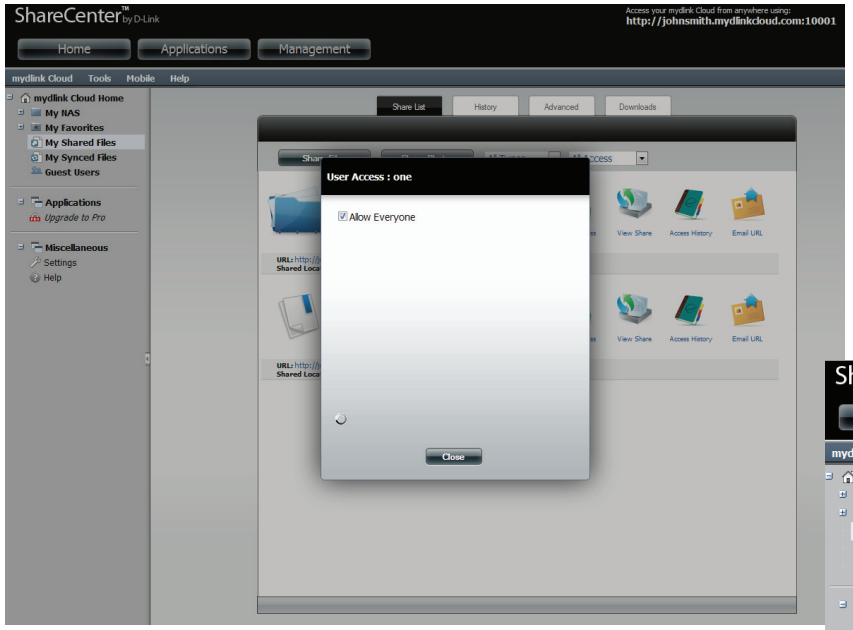


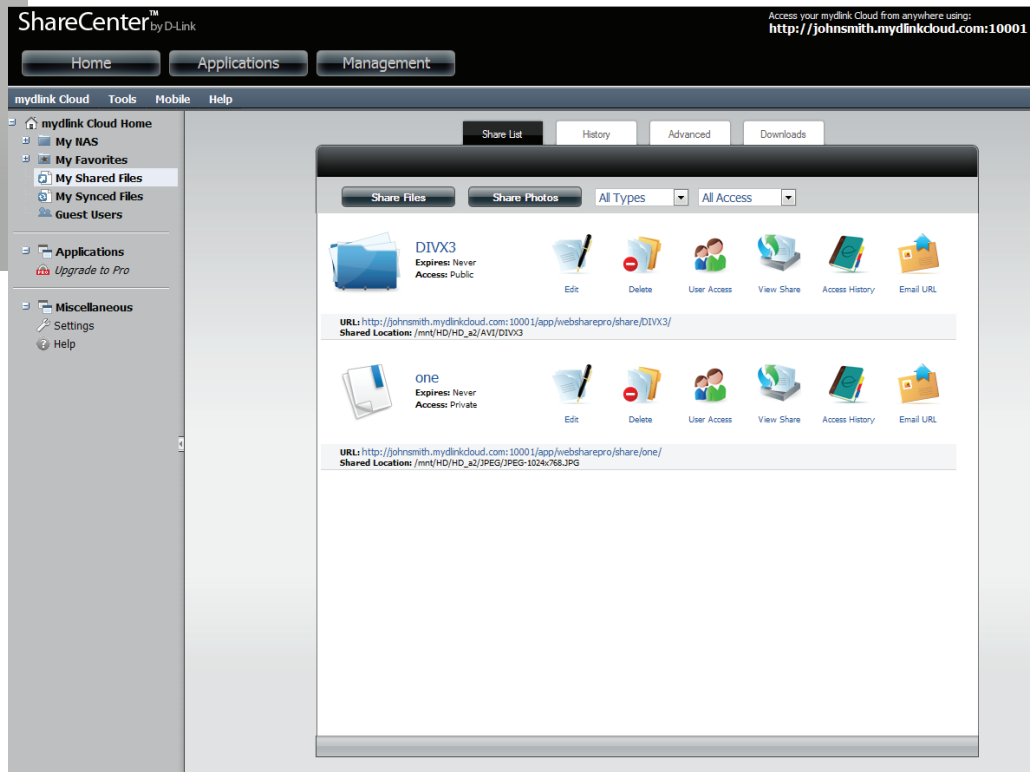


Click the **Browse** button to find the file you wish to share, enter a **Share Name**, and click **Add**.



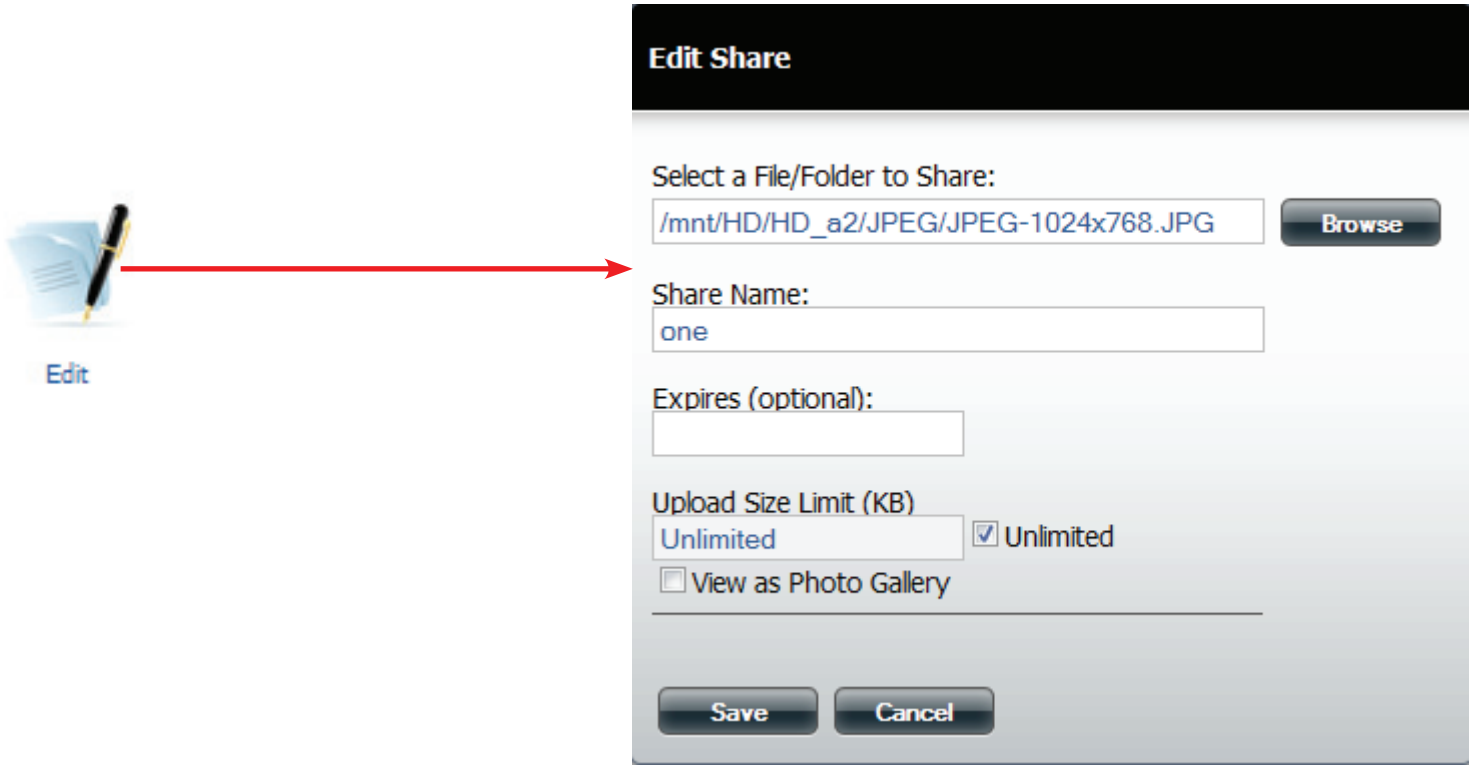
Select the **user access rights** for the file and click **Close**. The file now appears in the **Share List** directory.





mydlink Cloud - My Shared Files - Edit

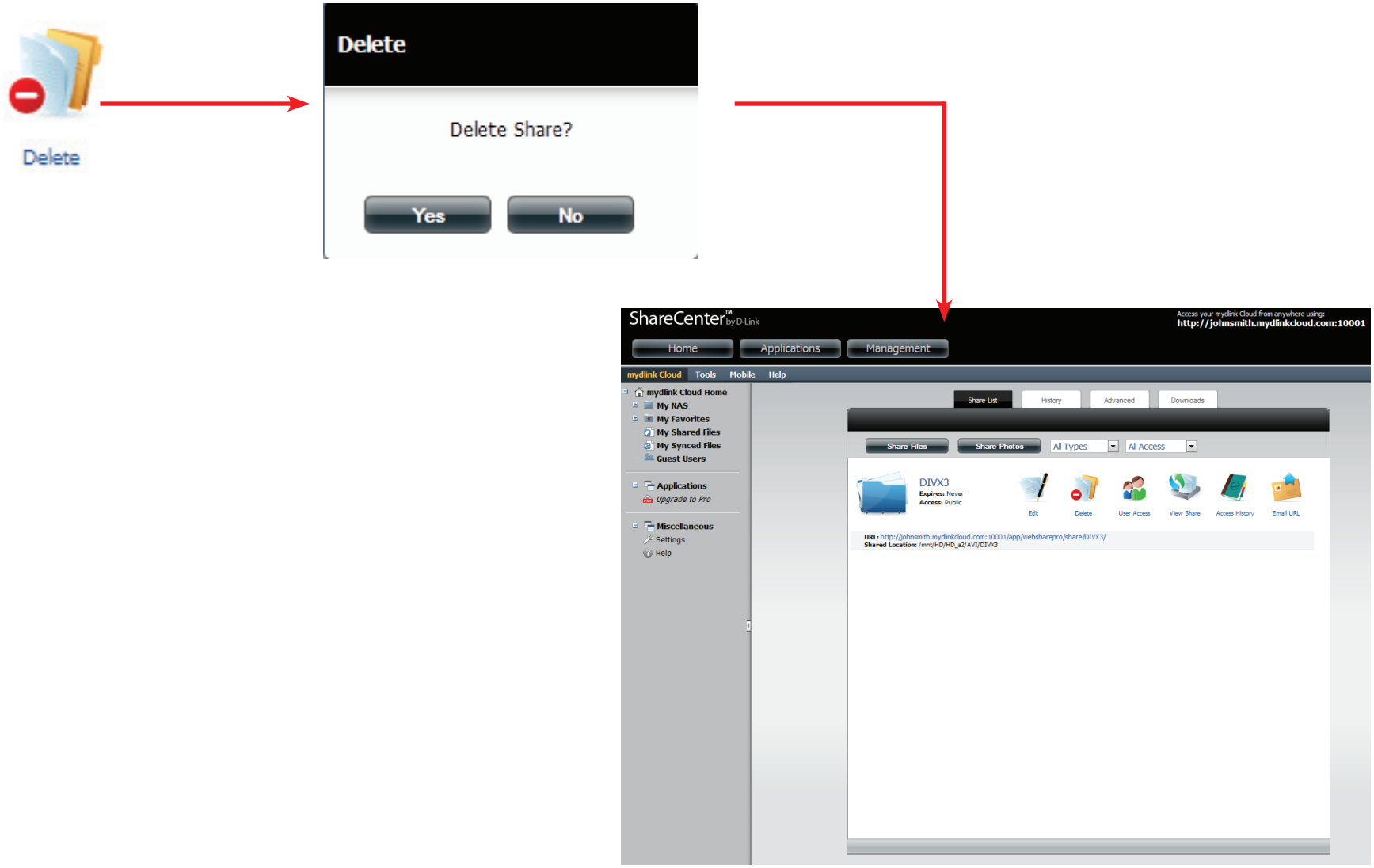
In the **Share List** click the **Edit** icon next to the file/folder you wish to edit. The **Edit Share** screen comes up and provides you with several options.



These options allow you to change the **File/Folder** you are sharing, the **Share Name**, the **Expiration**, the **Size Limit**, and/or as a **Photo Gallery.** When you have completed making the changes, click **Save** to continue.

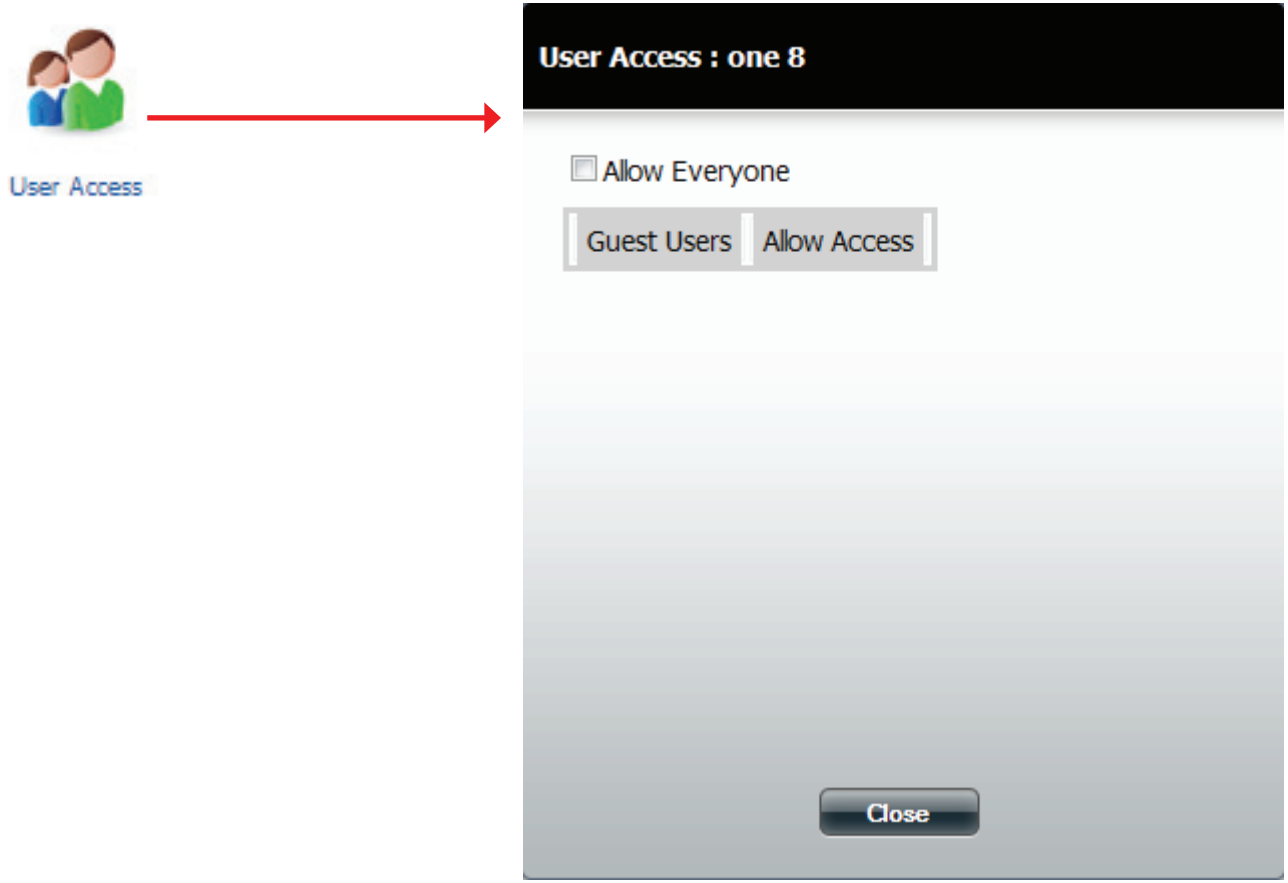
mydlink Cloud - My Shared Files - Delete

In the **Share List** click the **Delete** icon next to the file/folder you wish to delete. The **Delete** prompt asks you to confirm the delete (click **Yes**) or ignore the delete (click **No**).



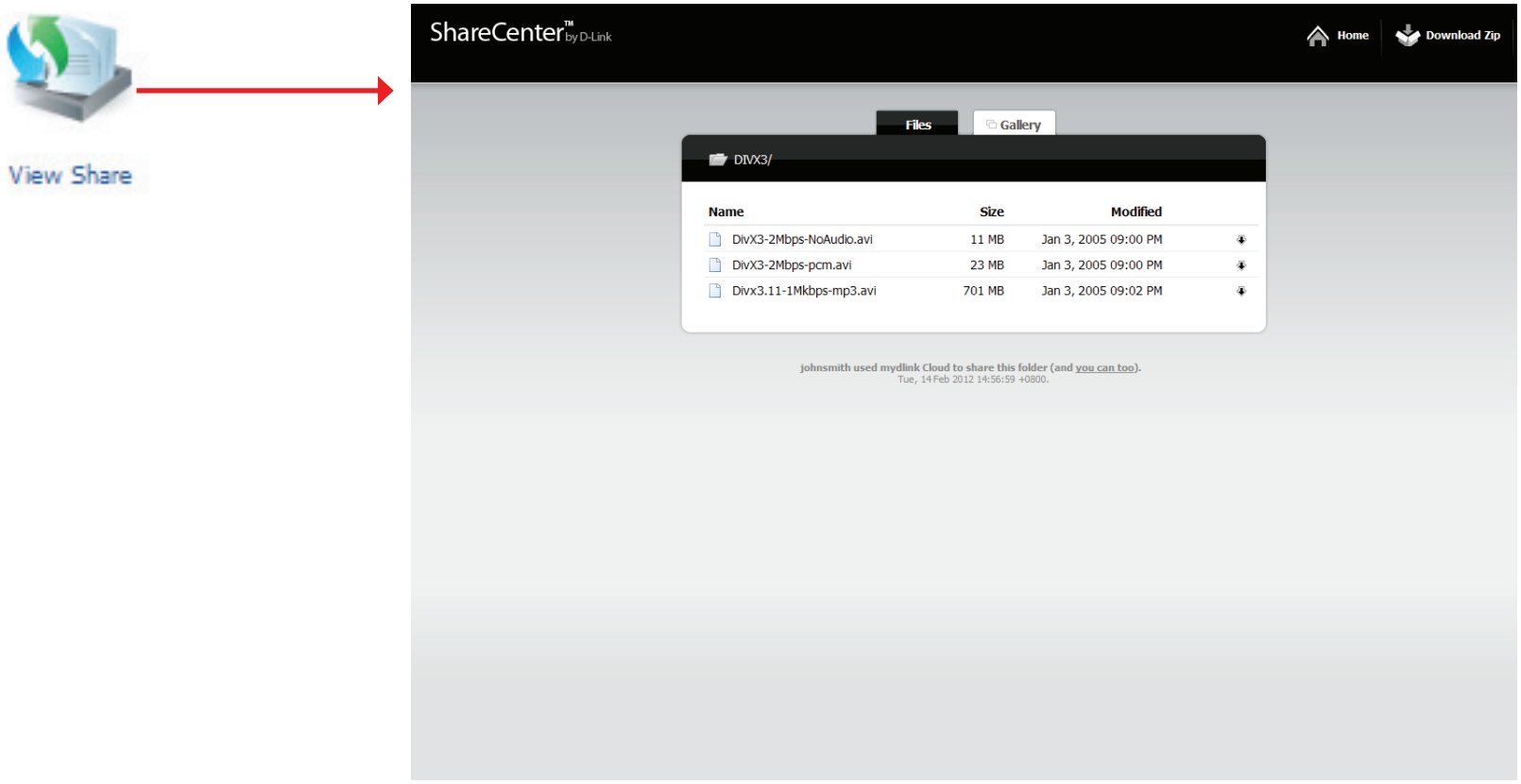
mydlink Cloud - My Shared Files - User Access

In the **Share List** click the **User Access** icon next to the file/folder you wish to change user access levels. The **User Access** window asks you to select the user(s) you want to add to the **Share Folder.** Click **Close** when done.



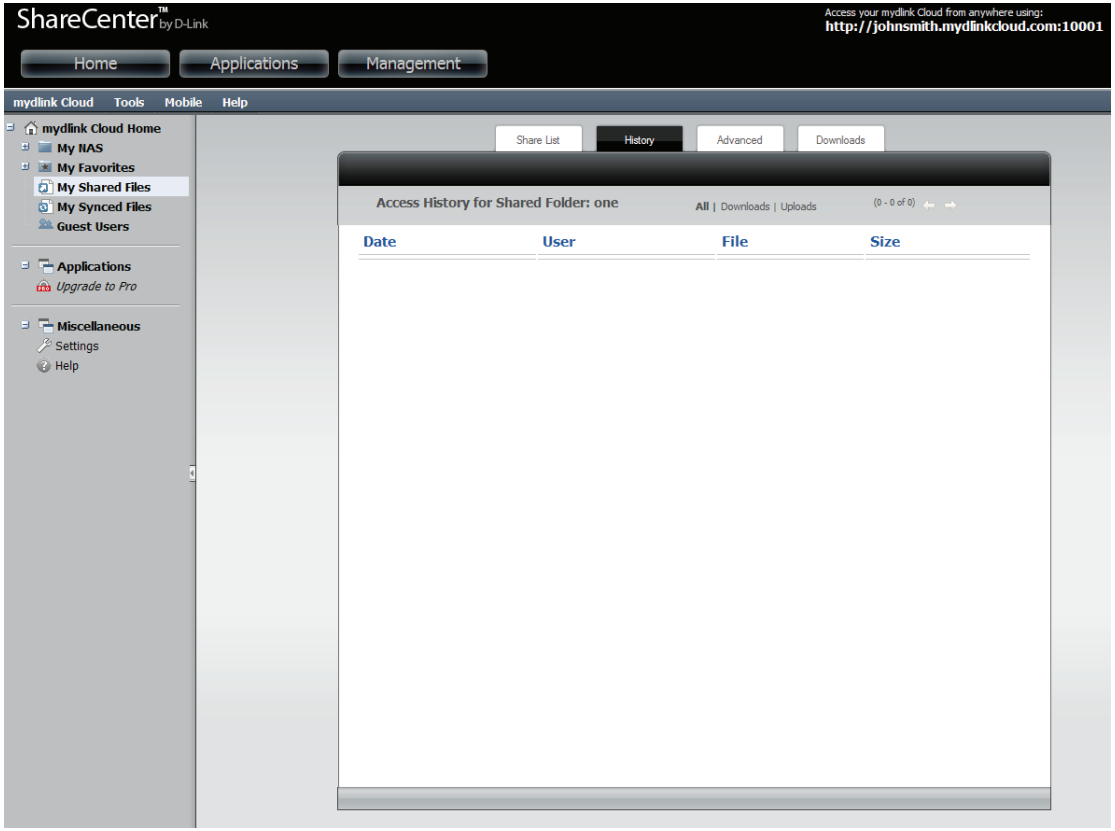
mydlink Cloud - My Shared Files - View Share

In the **Share List** click the **View Share** icon next to the file/folder you wish to view. The **View Share** link opens a new browser tab and shows you all the files available to share. The **Shares** can be viewed in **File** and **Gallery** format.



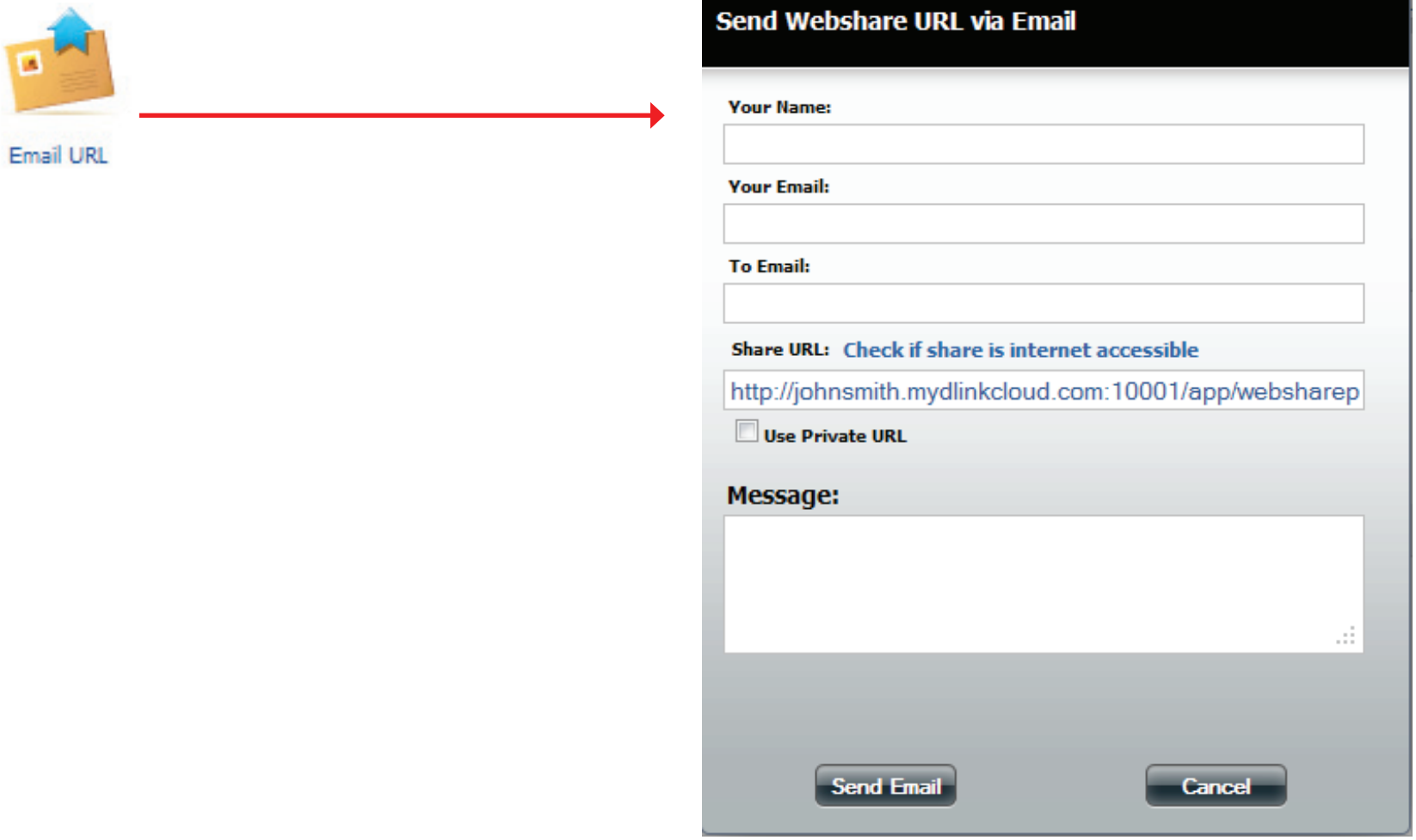
mydlink Cloud - My Shared Files - Access History

In the **Share List** click the **Access History** icon next to the file/folder you wish to view the history. The **Access History** link opens the **History** tab in the same window.



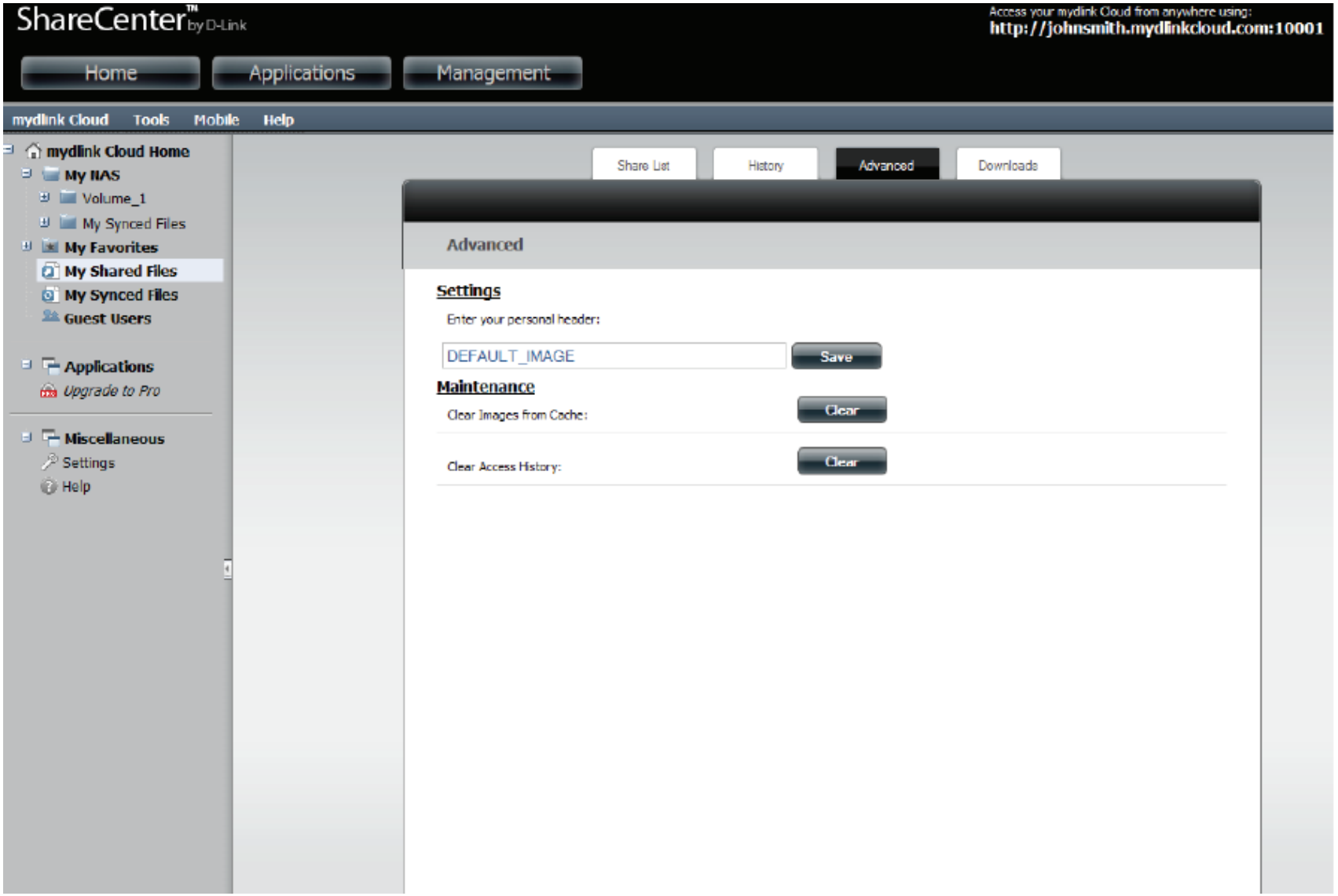
mydlink Cloud - My Shared Files - Email URL

In the **Share List** click the **Email URL** icon next to the file/folder you wish to send a link via email. The **Email URL link** opens the **Send Webshare URL** window. Enter the contact details of the person(s) you want to send the email to and click **Send Email.**



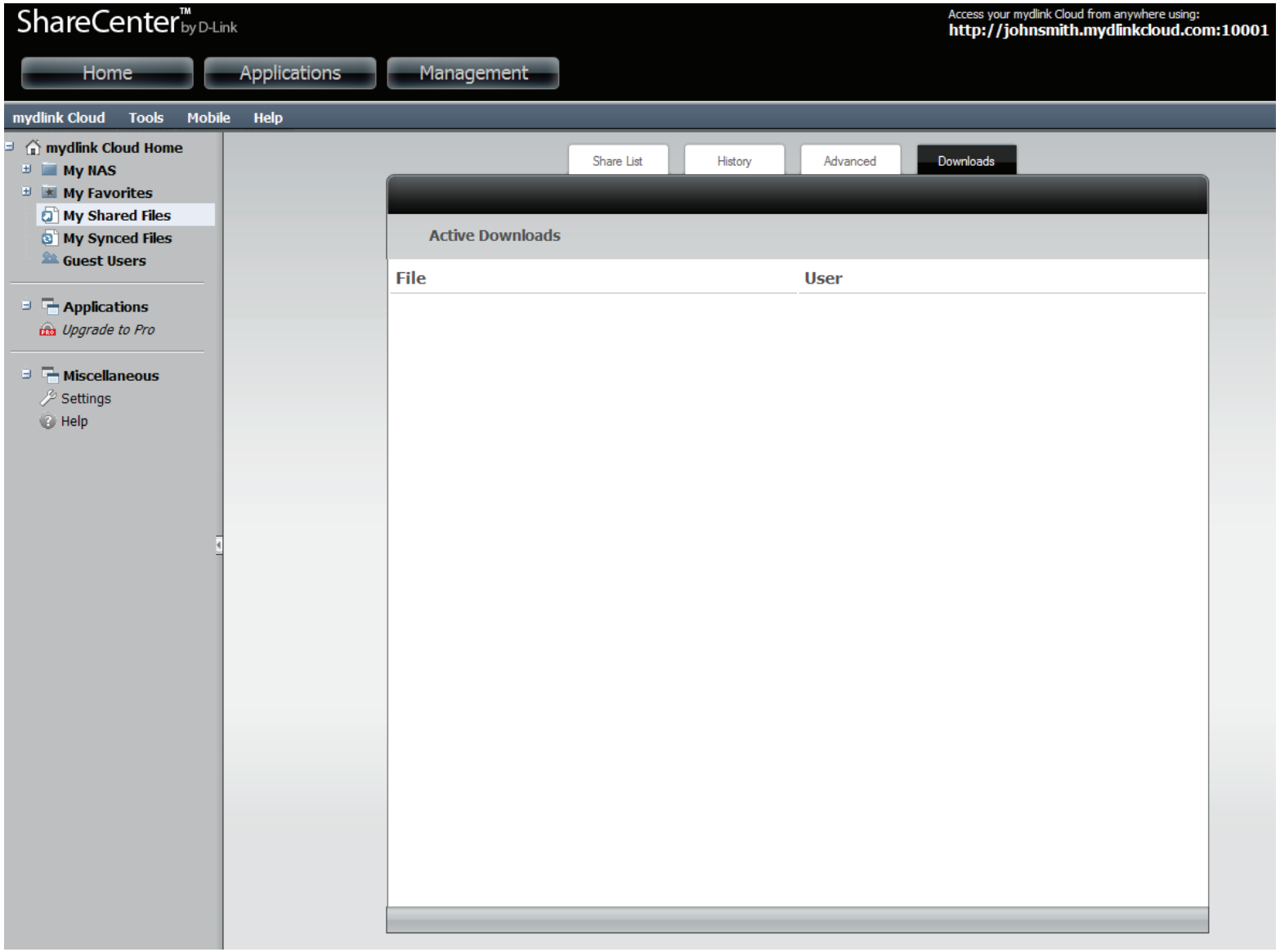
mydlink Cloud - My Shared Files - Advanced

Under **My Shared Files**, click the **Advanced** tab. This tab highlights a few **Advanced Settings**, a **Personal Header**. Enter a name in the empty field provided and click **Save**. Under **Maintenance**, click the **Clear** button to remove images from the **Cache** and click the **Clear** button to remove all **History**.



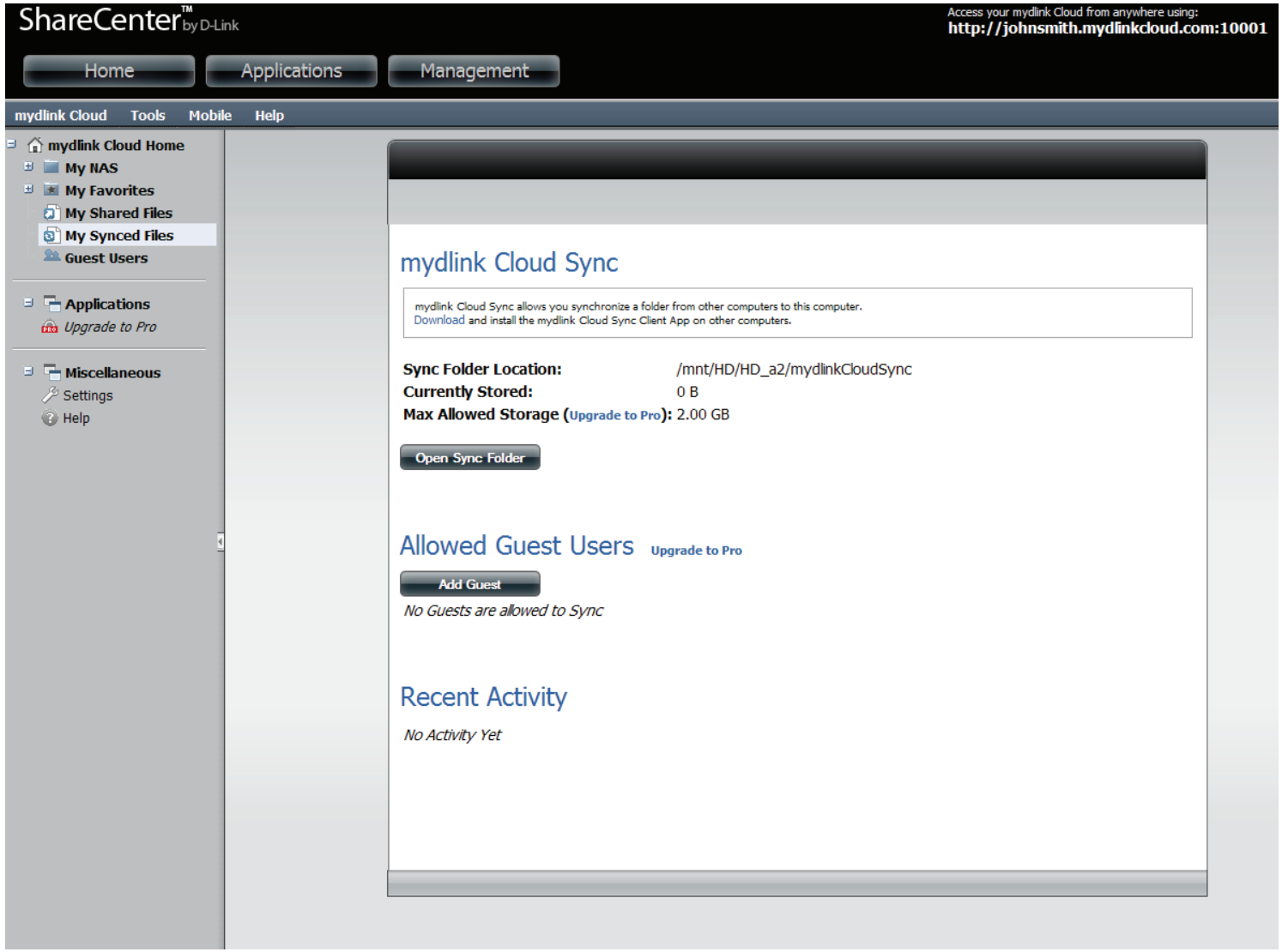
mydlink Cloud - My Shared Files - Downloads

The **Downloads** tab provides a list of downloads.



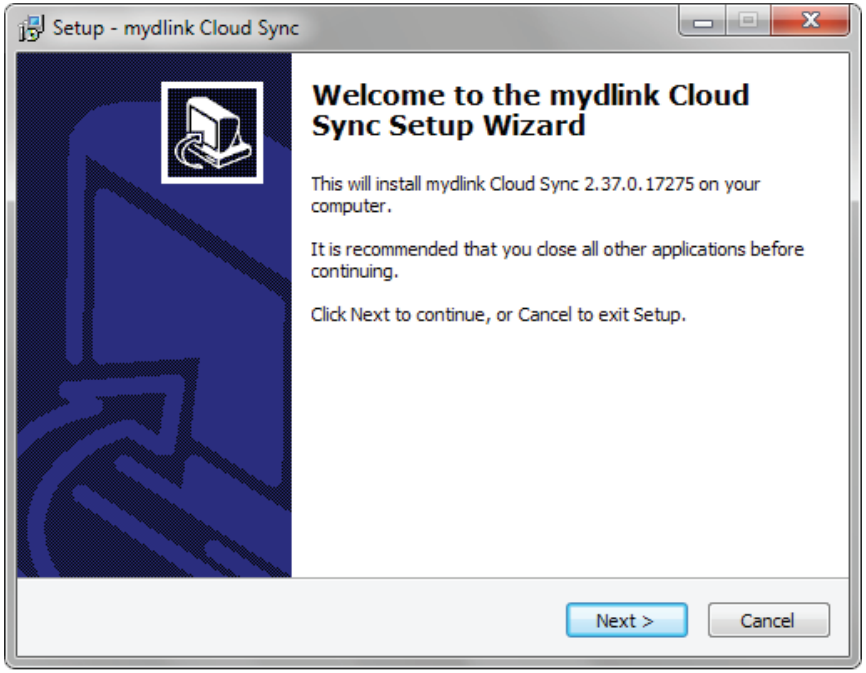
mydlink Cloud - My Synced Files

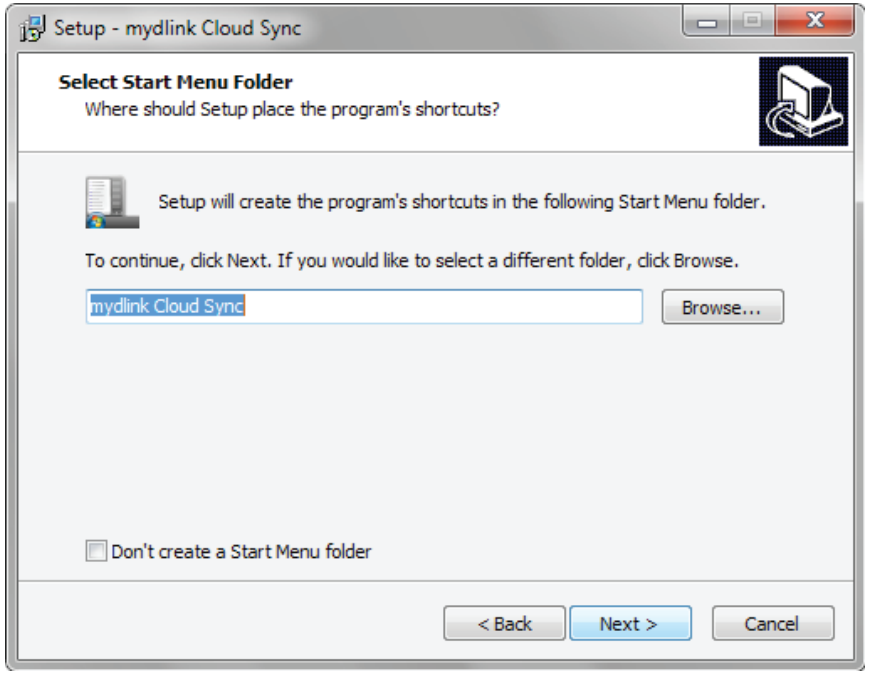
The **mydlink Cloud sync** is a two part application. One part resides on the online mydlink cloud server and the other part is an application you download and use on your personal PC. The **mydlink Cloud sync** window is divided into three sections: **Syncing**, **Guest Users**, and **Recent Activity**. Syncing allows you to sync your NAS content to the cloud. **Guest users** means exactly what it implies, it adds guest users and **Recent Activity** shows who and how many people have accessed the cloud service at any given time. There is also a **Pro** version.



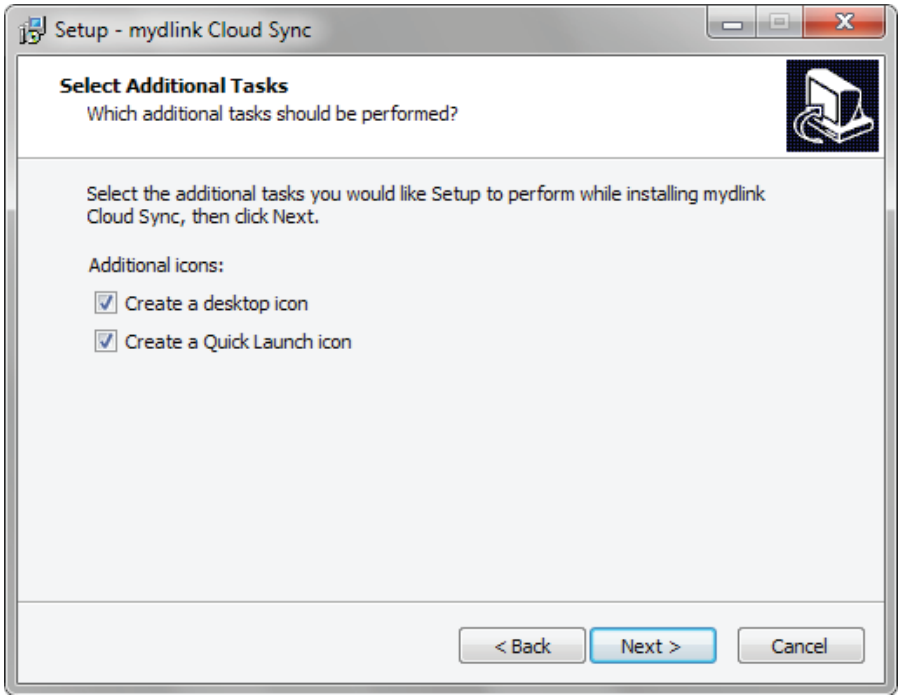
mydlink Cloud Sync

The **mydlink Cloud Sync** software application comes in three varieties: **Windows**, **Linux**, and **Mac**. For Windows, double-click the **MyDLinkCloudSync.exe** file.

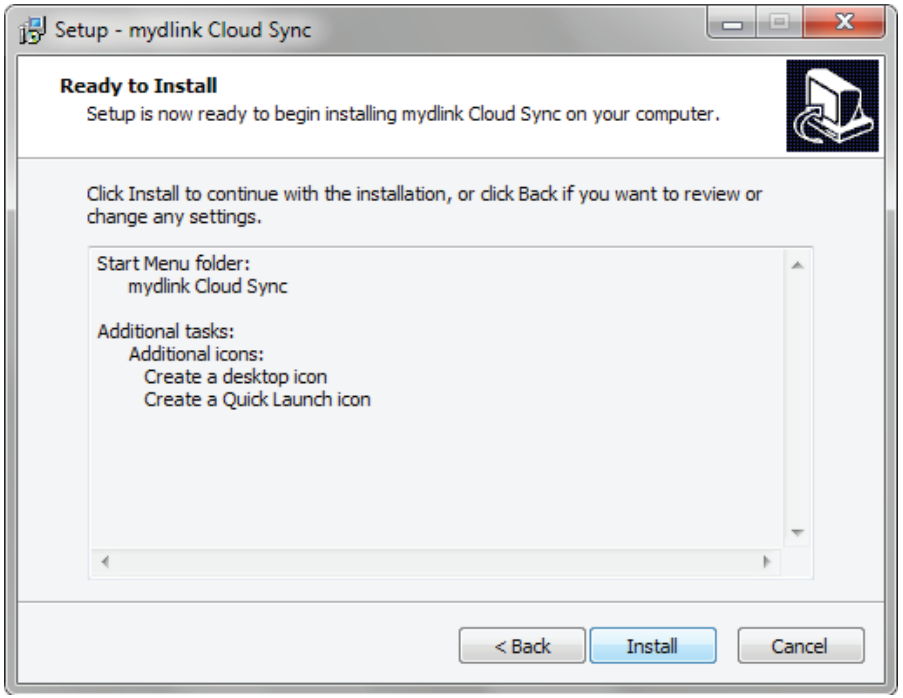




mydlink Cloud Sync Installation

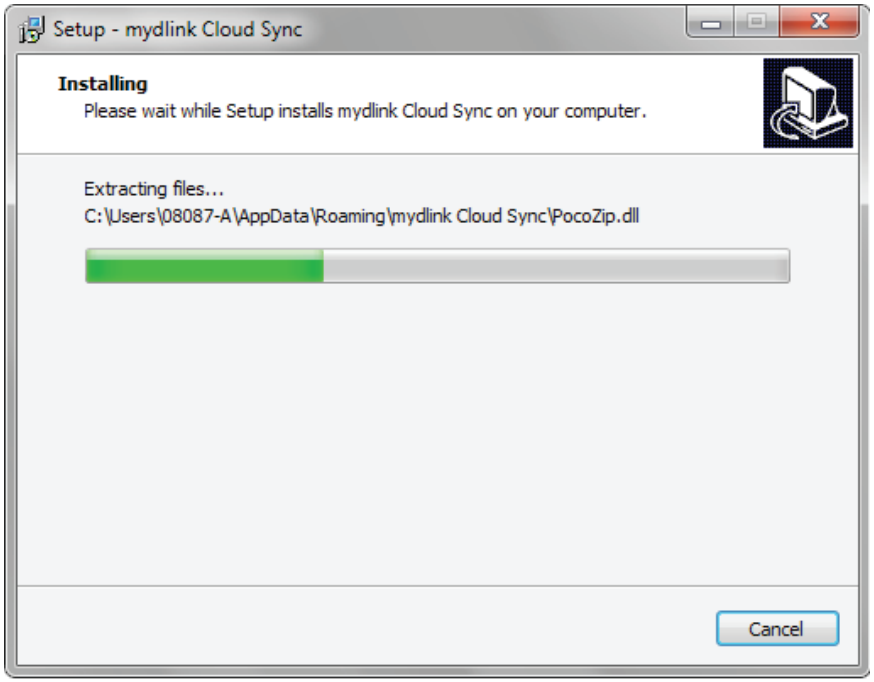


Click the checkbox next to **Create a desktop icon** and click the checkbox next to **Create a Quick Launch icon** to set additional links. Click **Next** to continue.

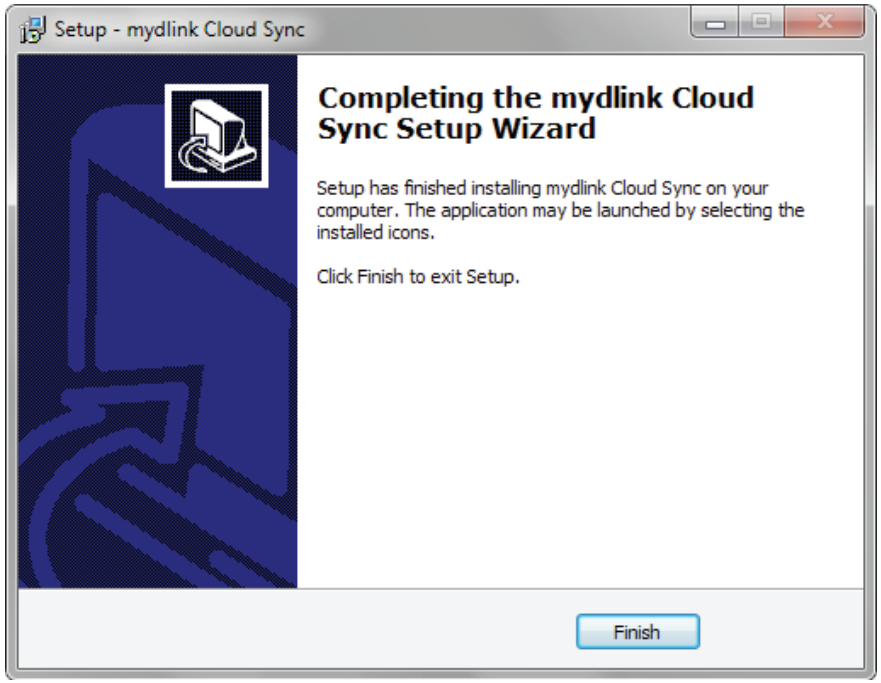


Before running **Install** check the parameters and click **Install**.

mydlink Cloud Sync Installation



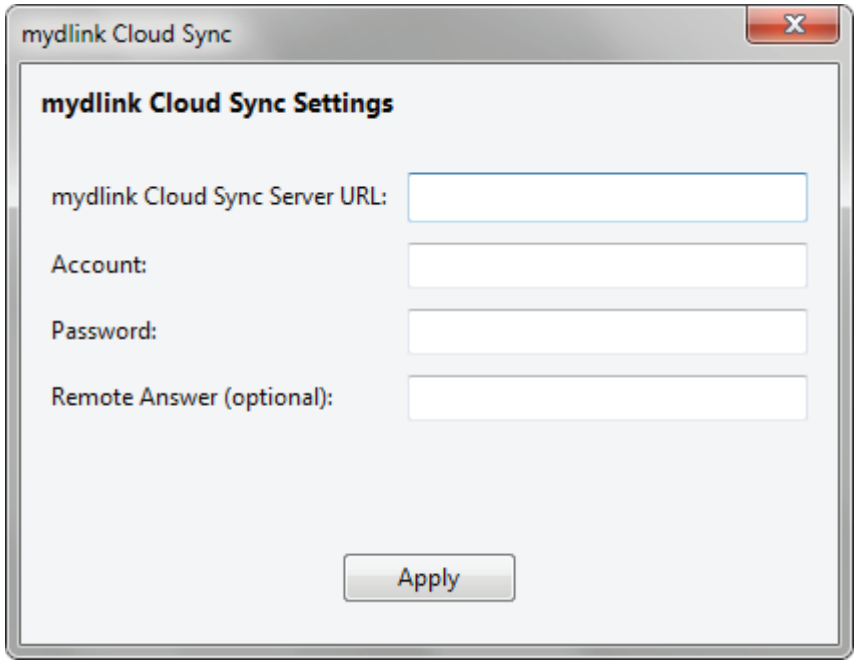
The program installs.



The installation is complete. Click **Finish** to exit.

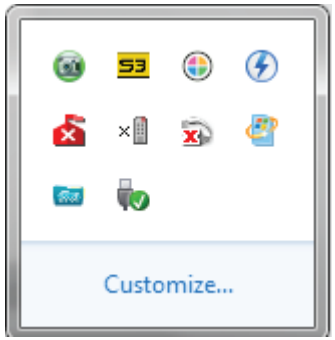
Running mydlink Cloud Sync

To run the program in **Windows 7**, click **Start**, **All Programs**, **mydlink Cloud Sync**. If **mydlink Cloud Sync** is already in the **Start Menu** click it.

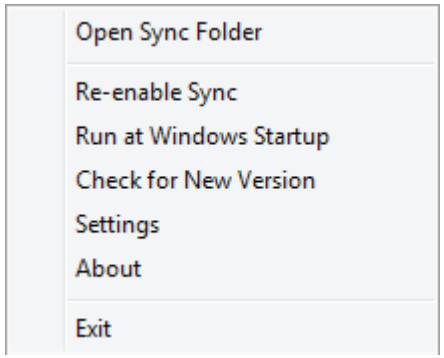


When the **mydlink Cloud Sync** program starts, enter the **mydlink Cloud Sync Server URL,** the **Account** details and a relavant **Password**. Enter a **Remote Answer** if required and click **Apply**. The program runs in the background.

Running mydlink Cloud Sync

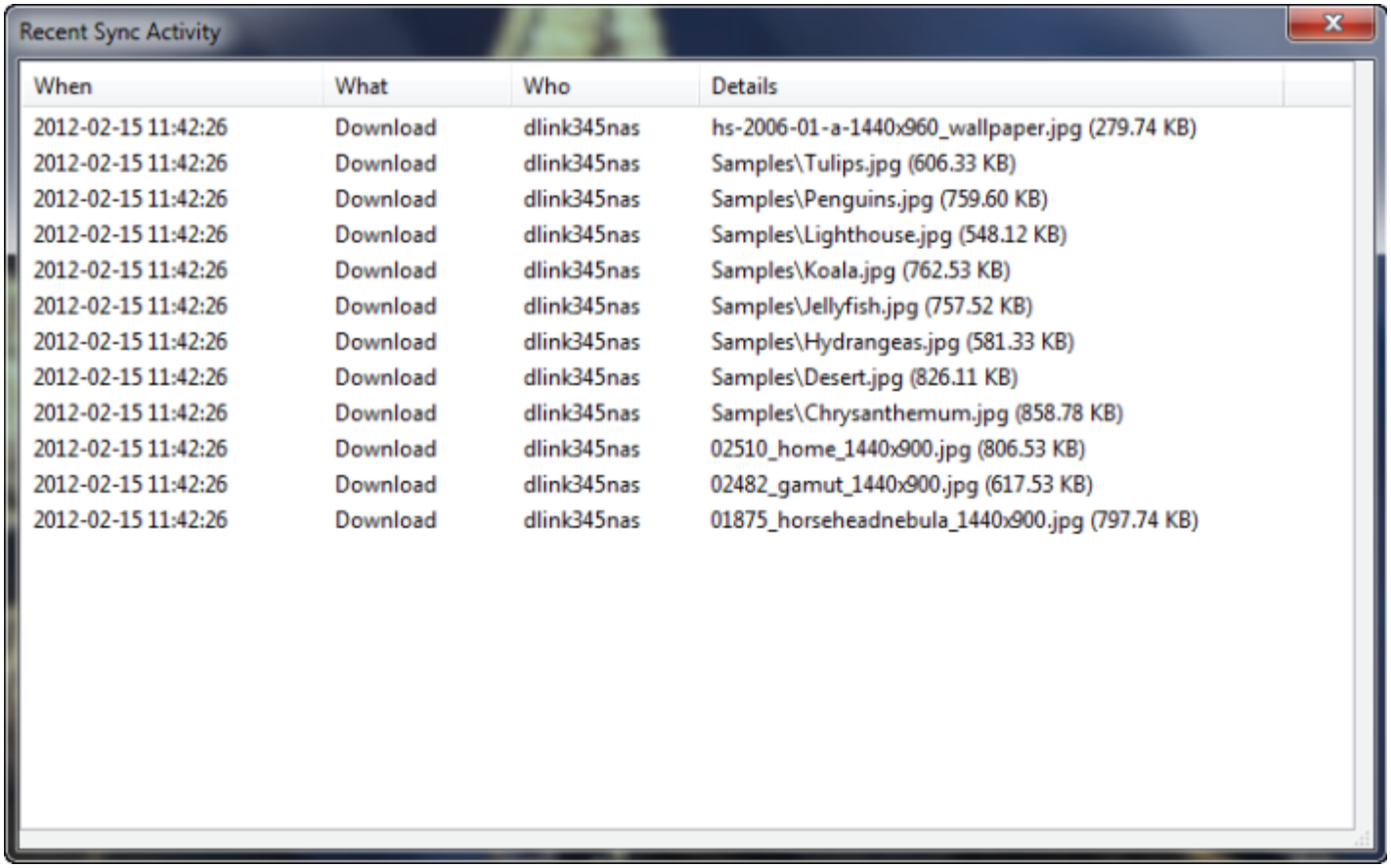


The **mydlink Cloud** shortcut can be found in the **System Tray** in Windows 7 while its running.



Right-click on the shortcut in the **System Tray** to reveal all the options. From here you can **Open the Sync Folder**, **Re-enable Sync**, **Run** at **Windows Startup**, **Check for New Versions, Settings**, and **About**.

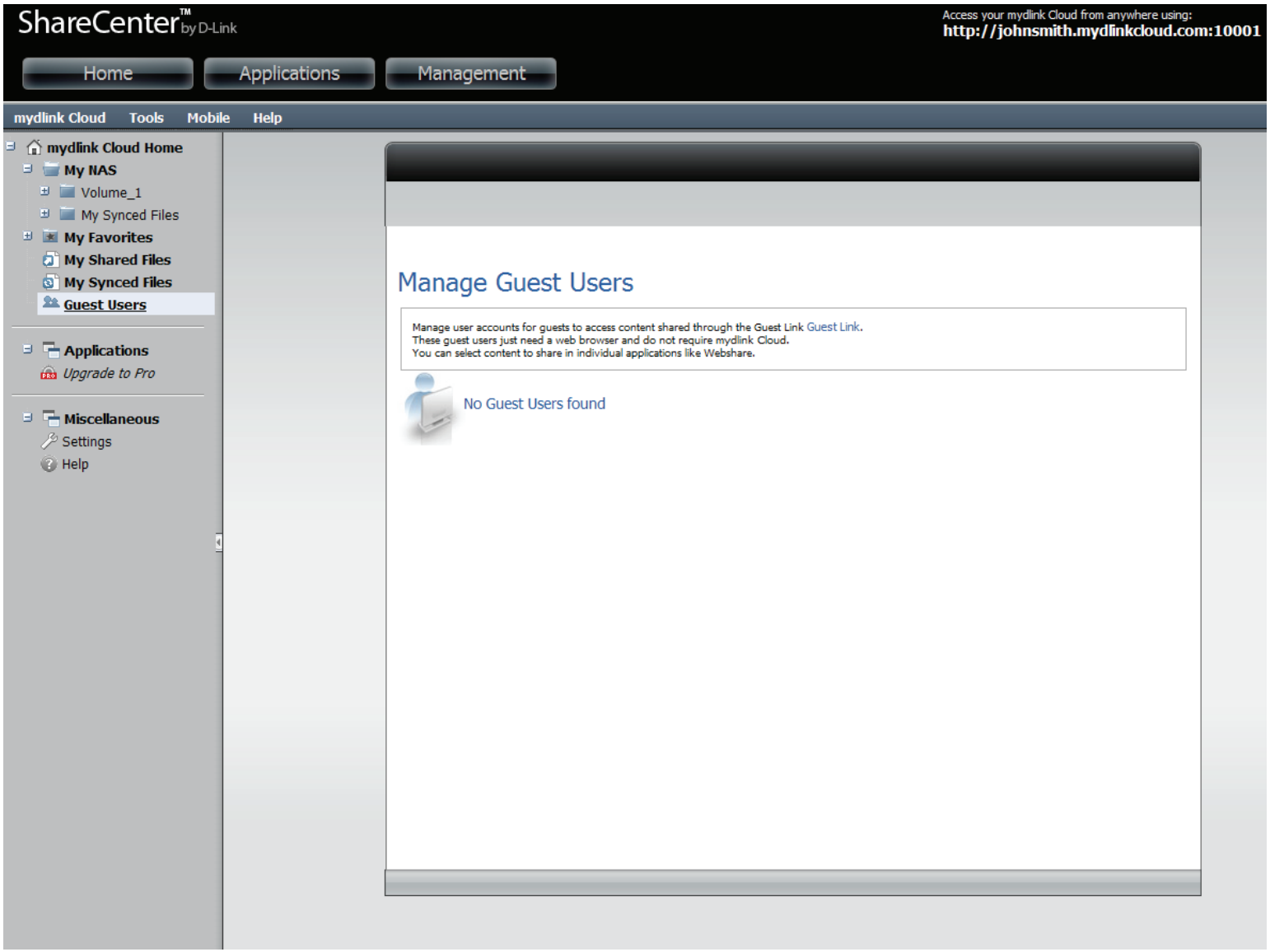
Track the Changes



Easily view and track all recent activity.

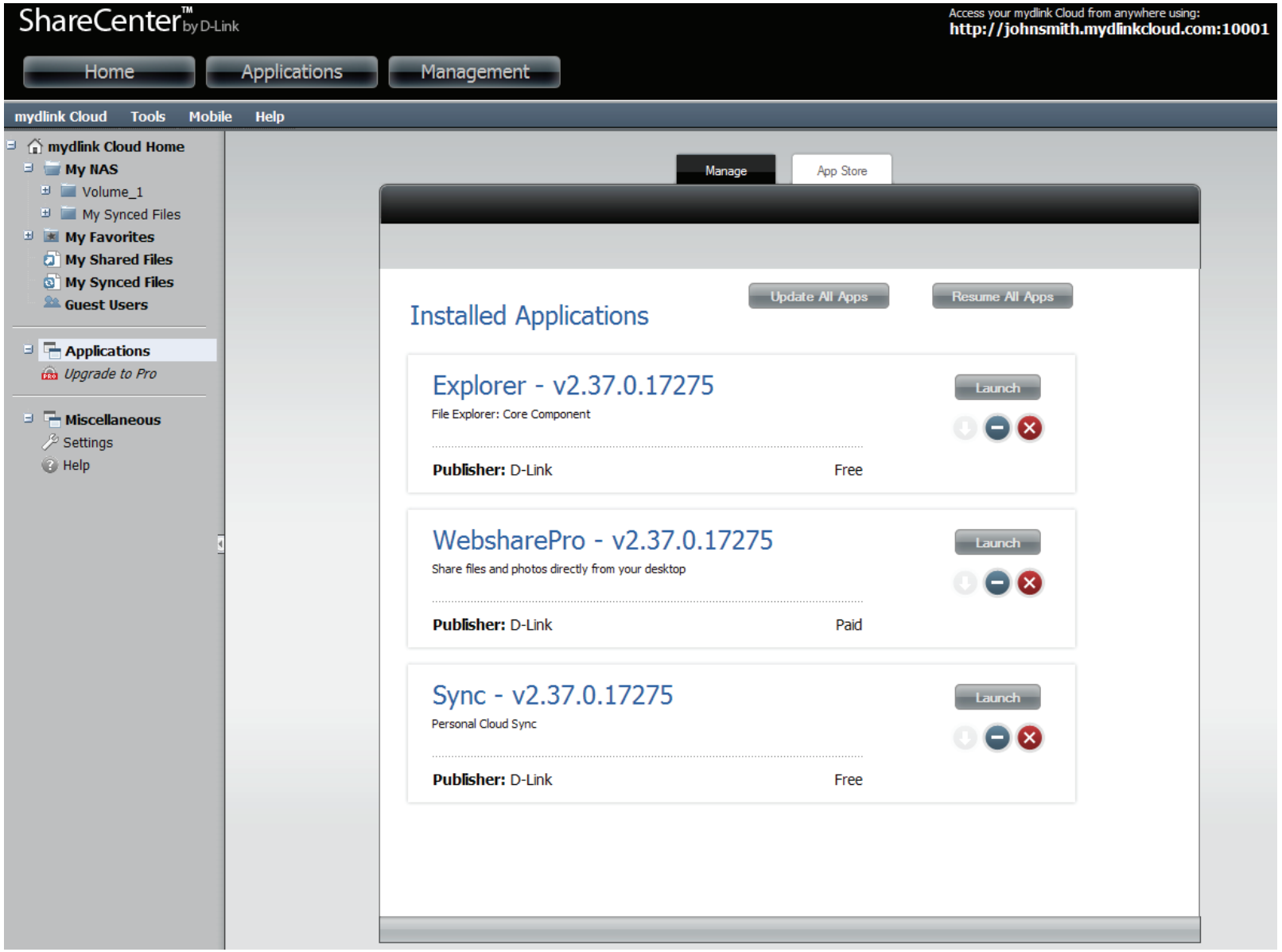
mydlink Cloud - Guest Users

Guest Users allows you to manage guest users you add to the NAS. This function works only if you have setup users on your NAS.



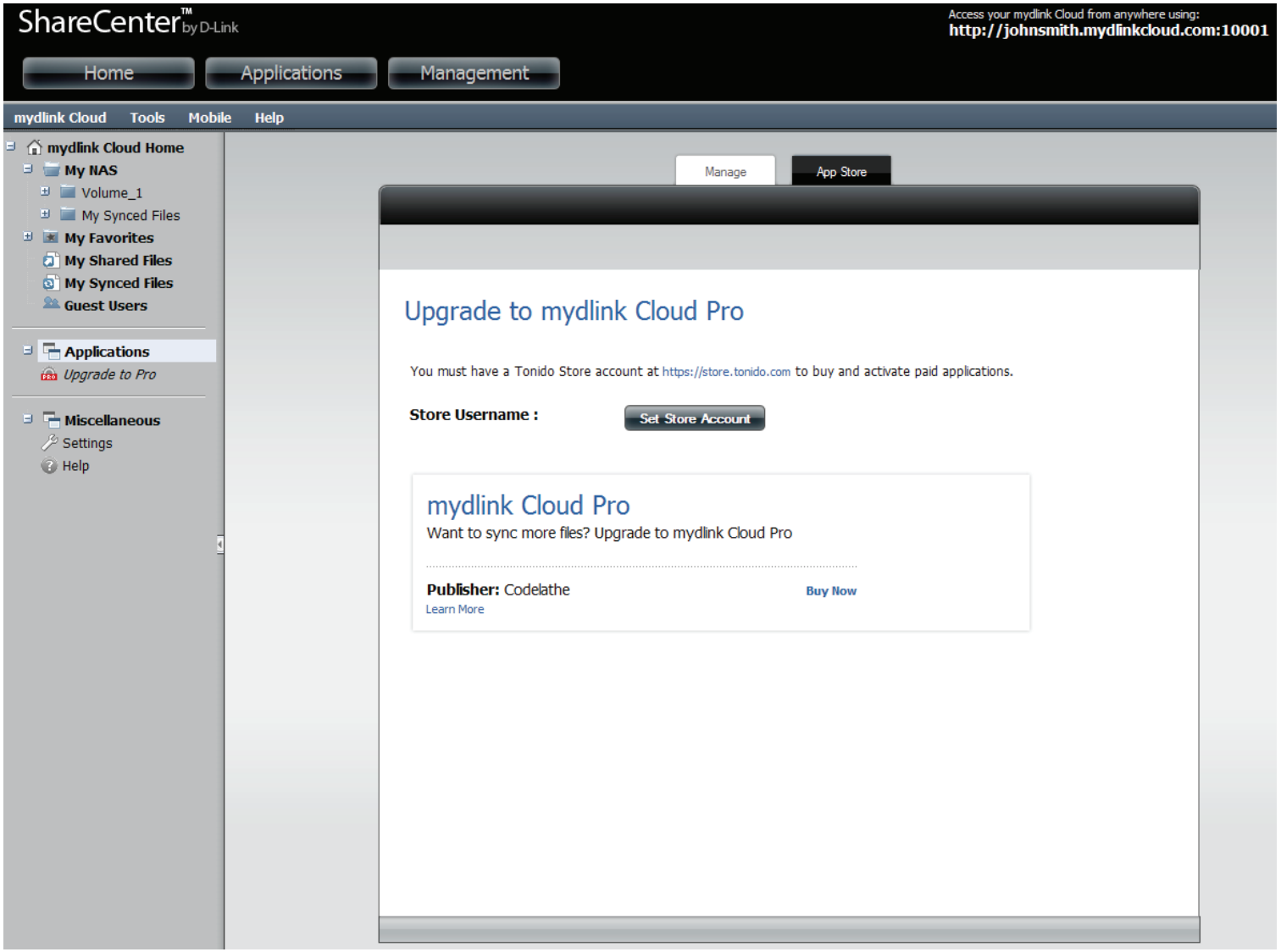
mydlink Cloud - Applications

Applications has two main tabs, **Manage** and **App Store**. Manage has three main **Applications: Explorer**, **WebSharePro** and **Sync.**



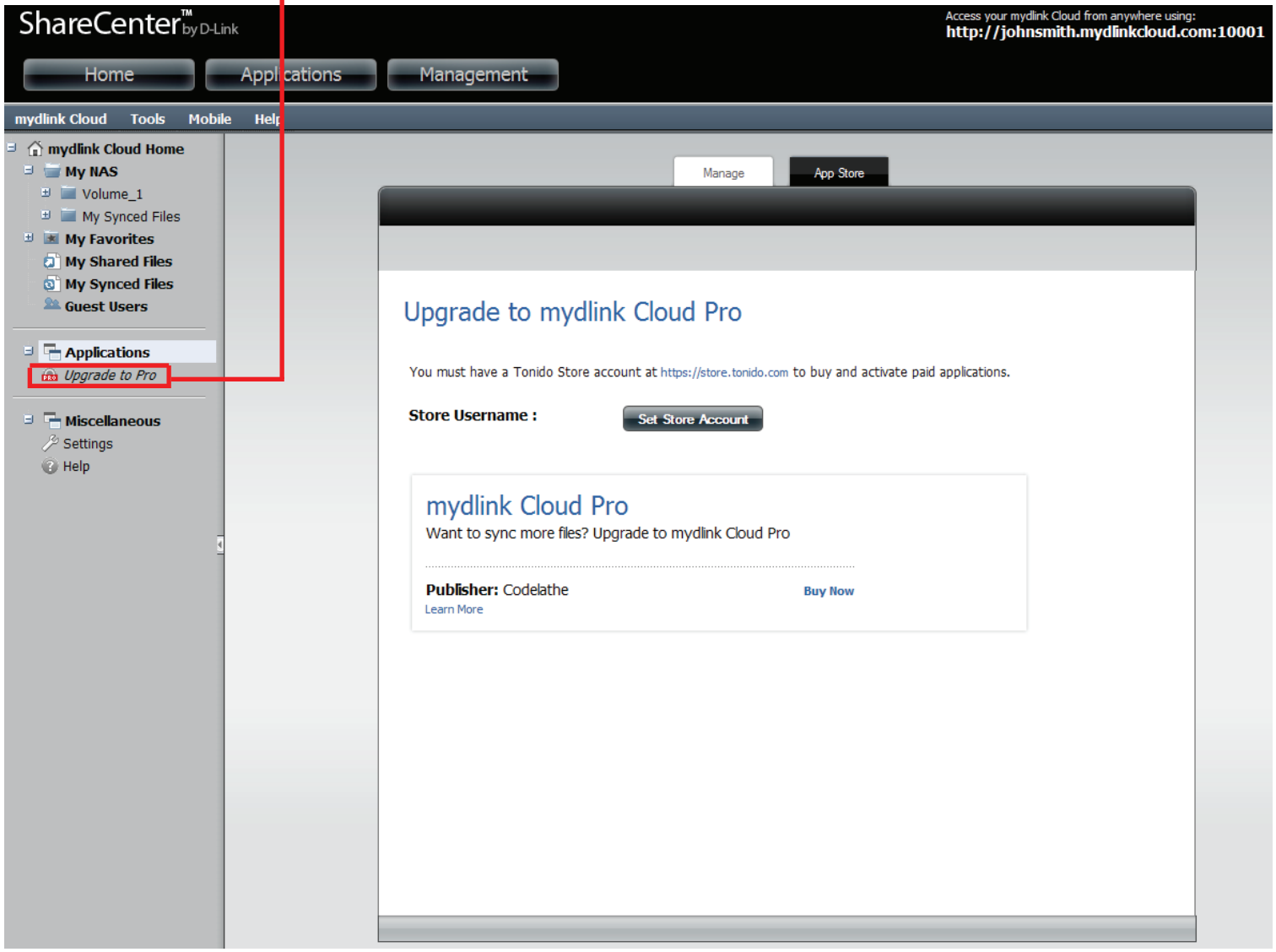
mydlink Cloud - Applications

The **App Store** app allows you to upgrade to the **mydlink Cloud Pro** service. This service creates a dedicated cloud service on the web for you and allows you to make backups of your entire NAS. This is a paid service. Click **Set Store Account** to activate this service.



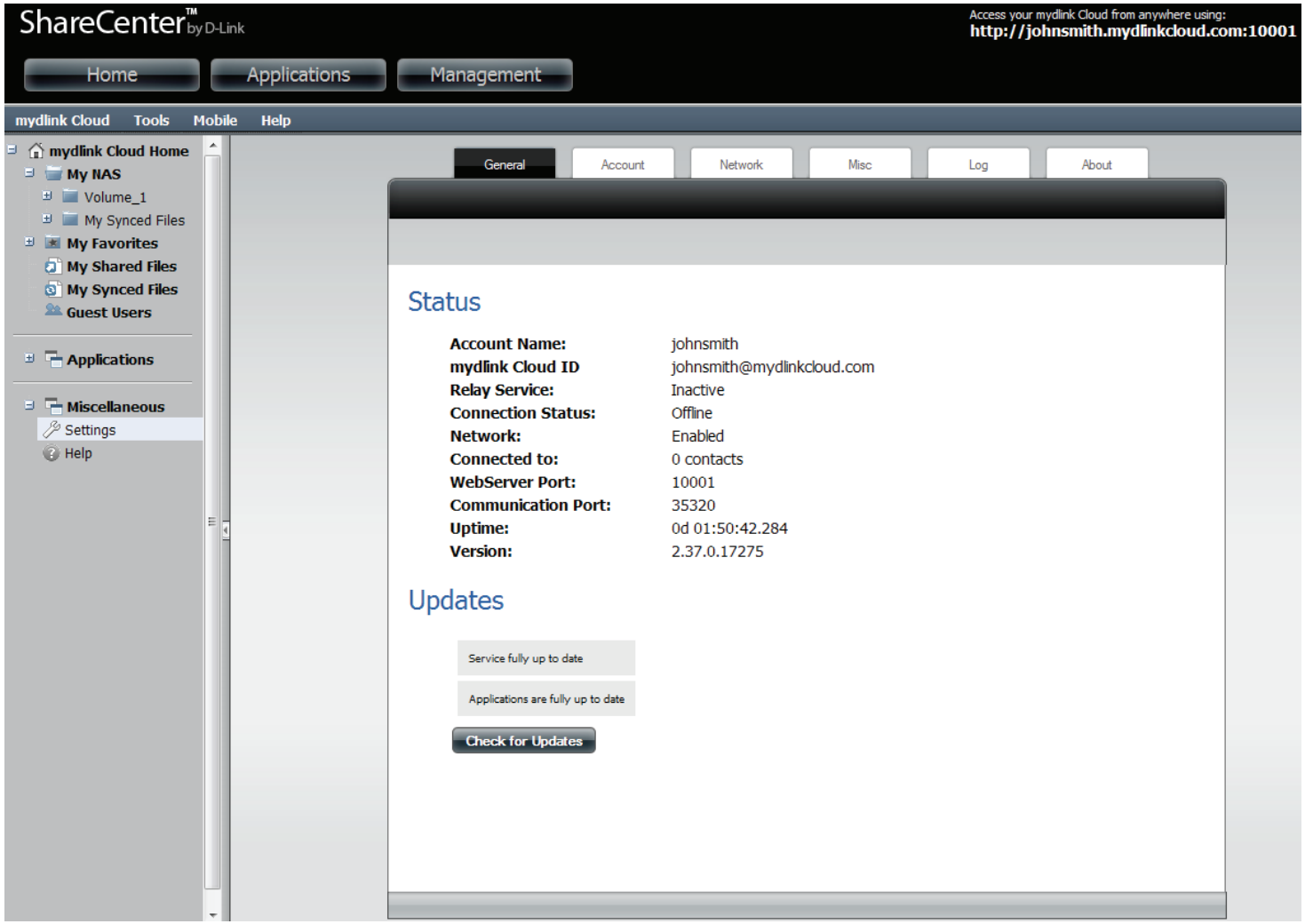
mydlink Cloud - Upgrade to Pro

The **mydlink Cloud** service also offers a **Pro** version. Click on the link to be directed to a **store** where you can purchase the **upgraded version**. By default, the **mydlink Cloud** software allows up to 2 GB free sync. If you want up to 50 GB free sync, you can upgrade to **mydlink Cloud Pro**. Once upgraded, you will get 50 GB sync capacity as well as the ability to let specified guest accounts sync to the NAS.



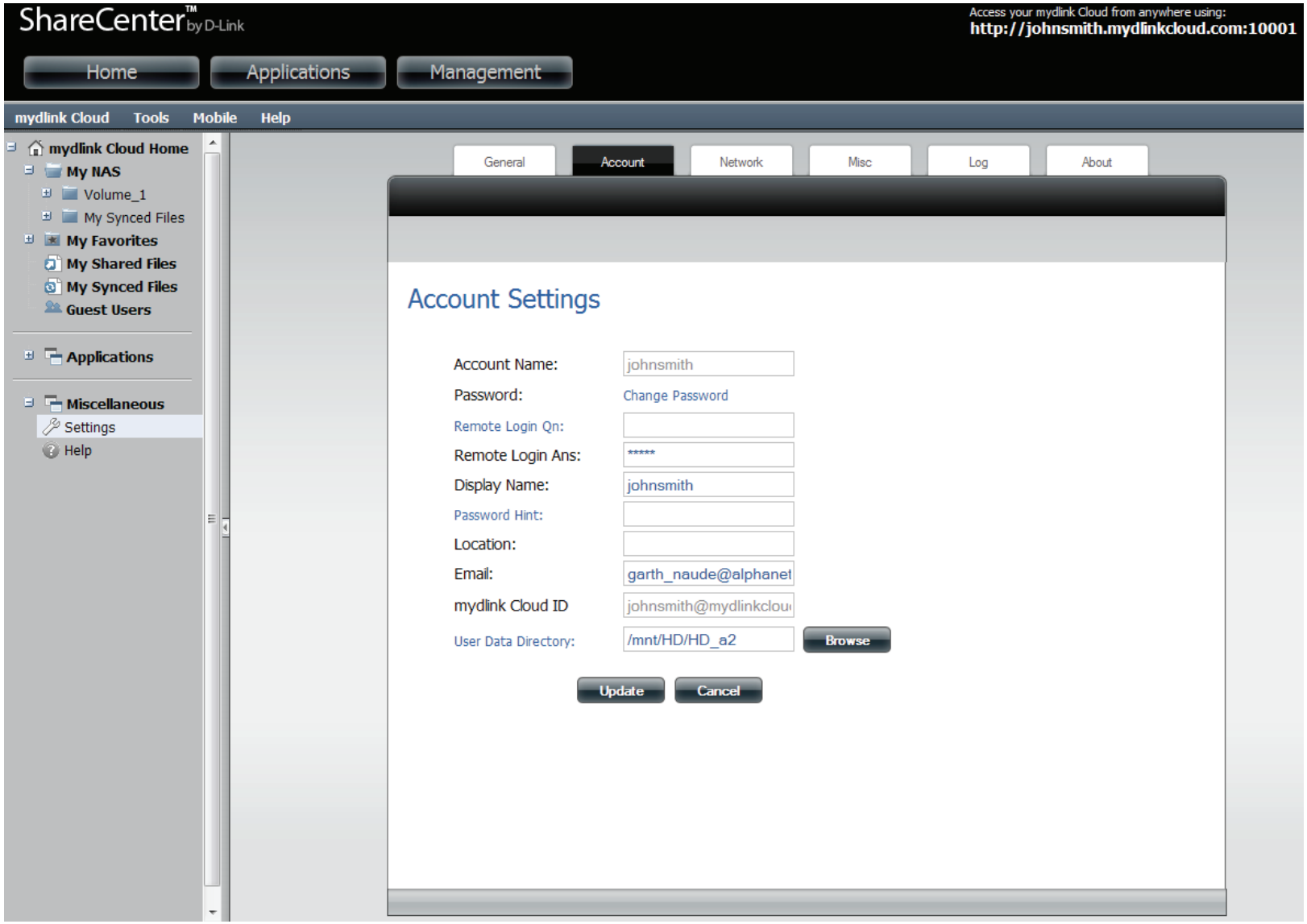
mydlink Cloud - Miscellaneous Settings

Settings falls under **Miscellaneous** in the left sidebar. The **Settings** configuration panel has six main tab sections: **General**, **Account**, **Network**, **Misc**, **Log**, and **About**.The **General Tab** offers a general status indicator which provides **Account Name**, **mydlink Cloud ID**, **Relay Service**, **Connection Status**, **Network, Connected** to, **WebServer Port**, **Communication Port**, **Uptime**, and **Version** number. The **General Tab** also offers **Updates**. Click the **Check for Updates** button to run updates.



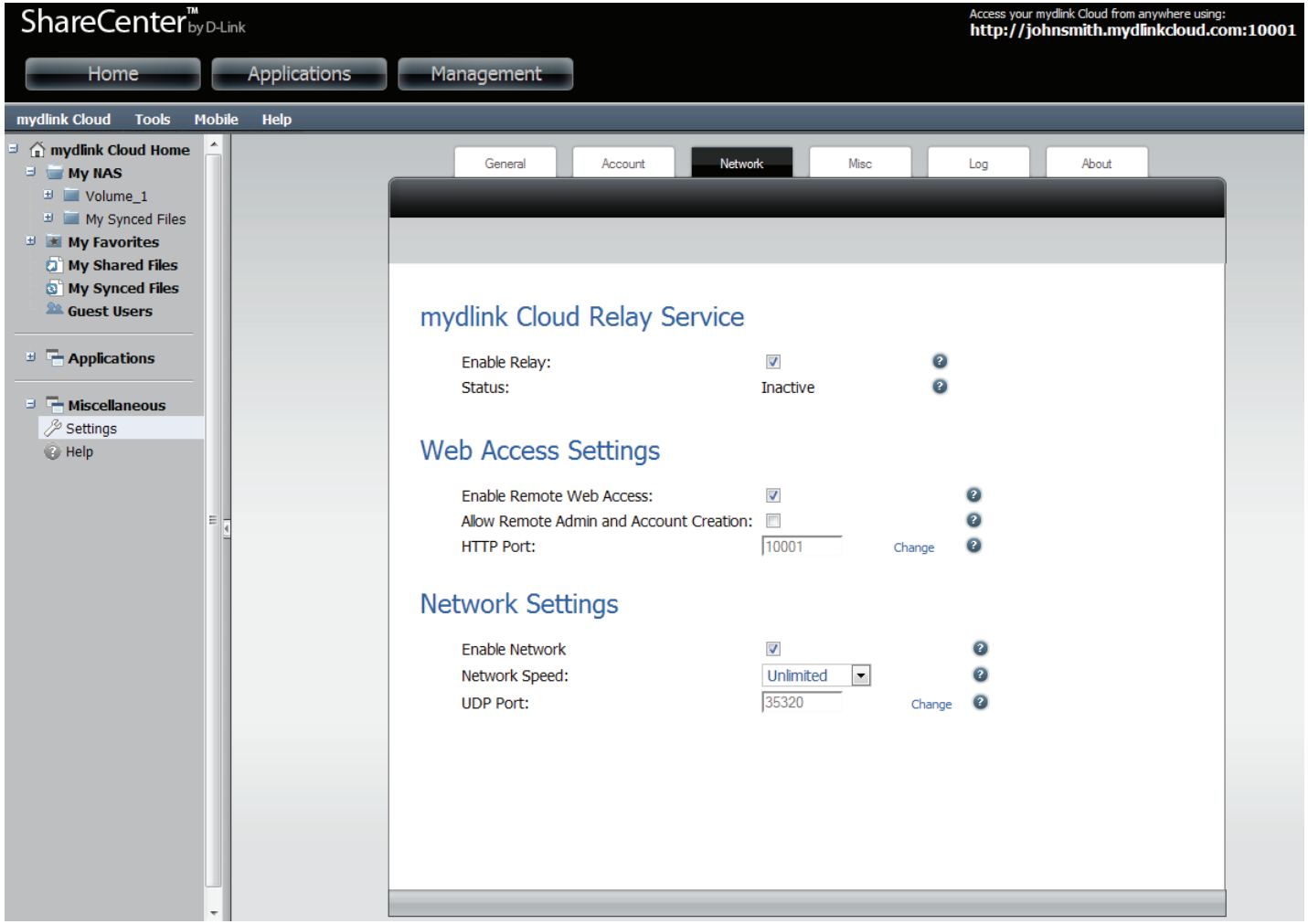
mydlink Cloud - Miscellaneous Settings - Accounts

The **Account Settings** tab allows users to change account settings. Enter the details according to your requirements and click the **Update** button. Access or change the directory location by clicking the **Browse** button.



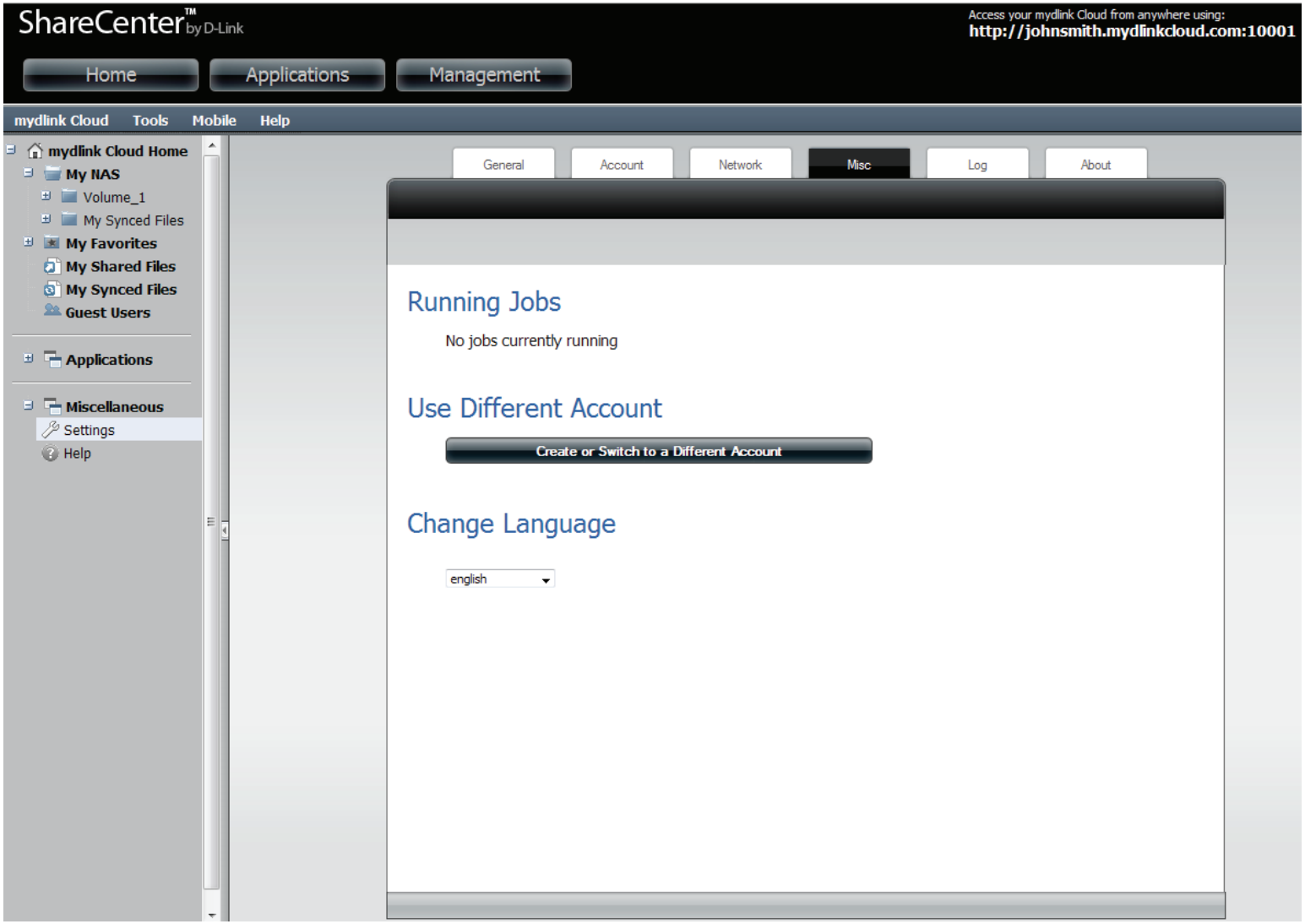
mydlink Cloud - Miscellaneous Settings - Network

The **Network Settings** tab is divided into three main sections. **mydlink Cloud Relay Service, Web Access Settings**, and **Network Settings.** The **mydlink Cloud Relay Service** allows users to enable **Relay Services**. In **Web Access Settings**, you can enable **Remote Web Access**, allow **Remote Admin** and **Account Creation** and change HTTP port settings. For **Network Settings**, you can shut down the network, change the **Network Speed**, and change the **UPD Port** settings.



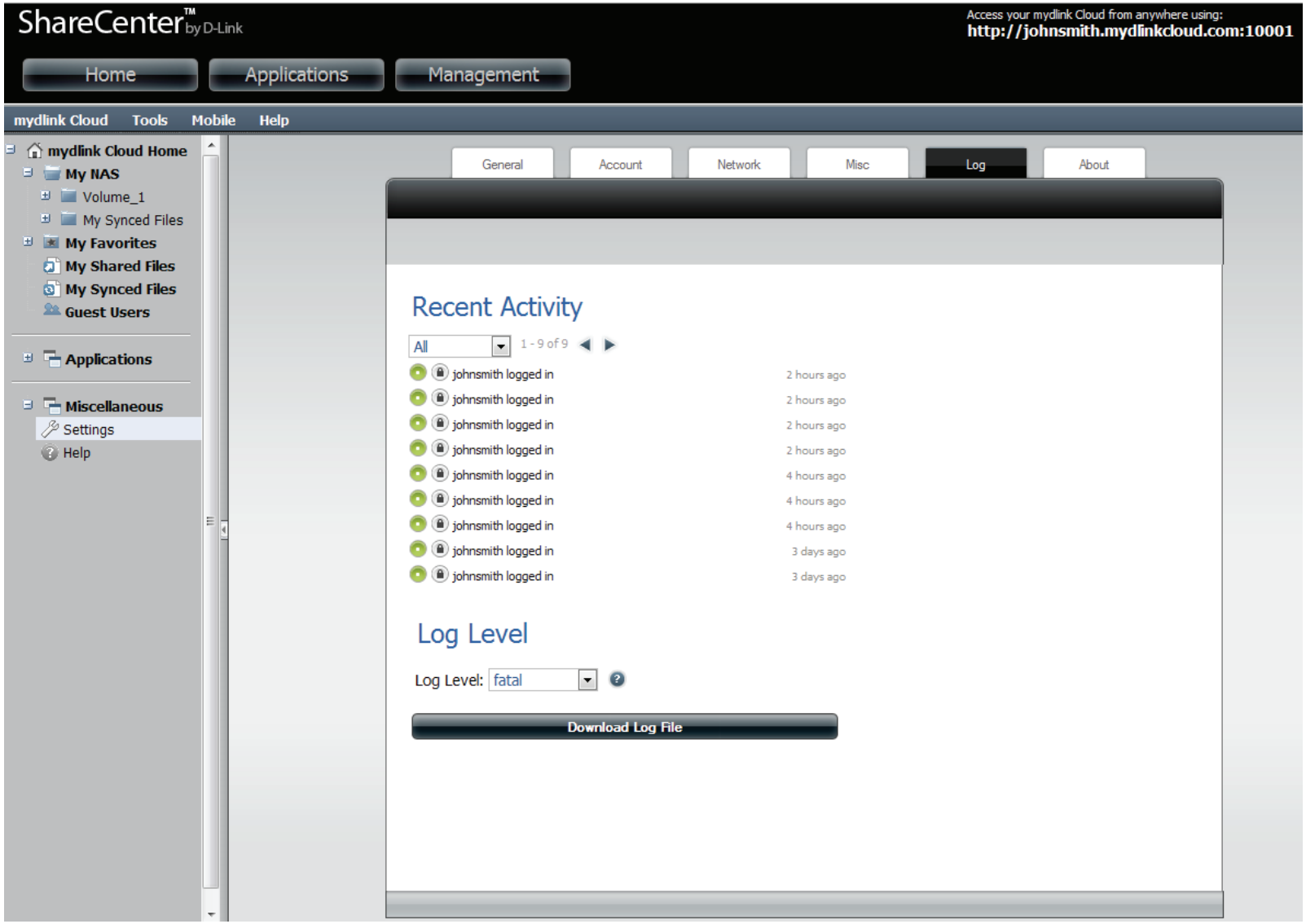
mydlink Cloud - Miscellaneous Settings - Misc

Under **Misc**, it displays the **Running Jobs**. If there are no **Running Jobs** then it displays nothing. You can also switch to a different user by clicking the **Create or Swirch to a Different Account**. Currently, you can switch between ten languages from the drop-down menu under **Change Language**.



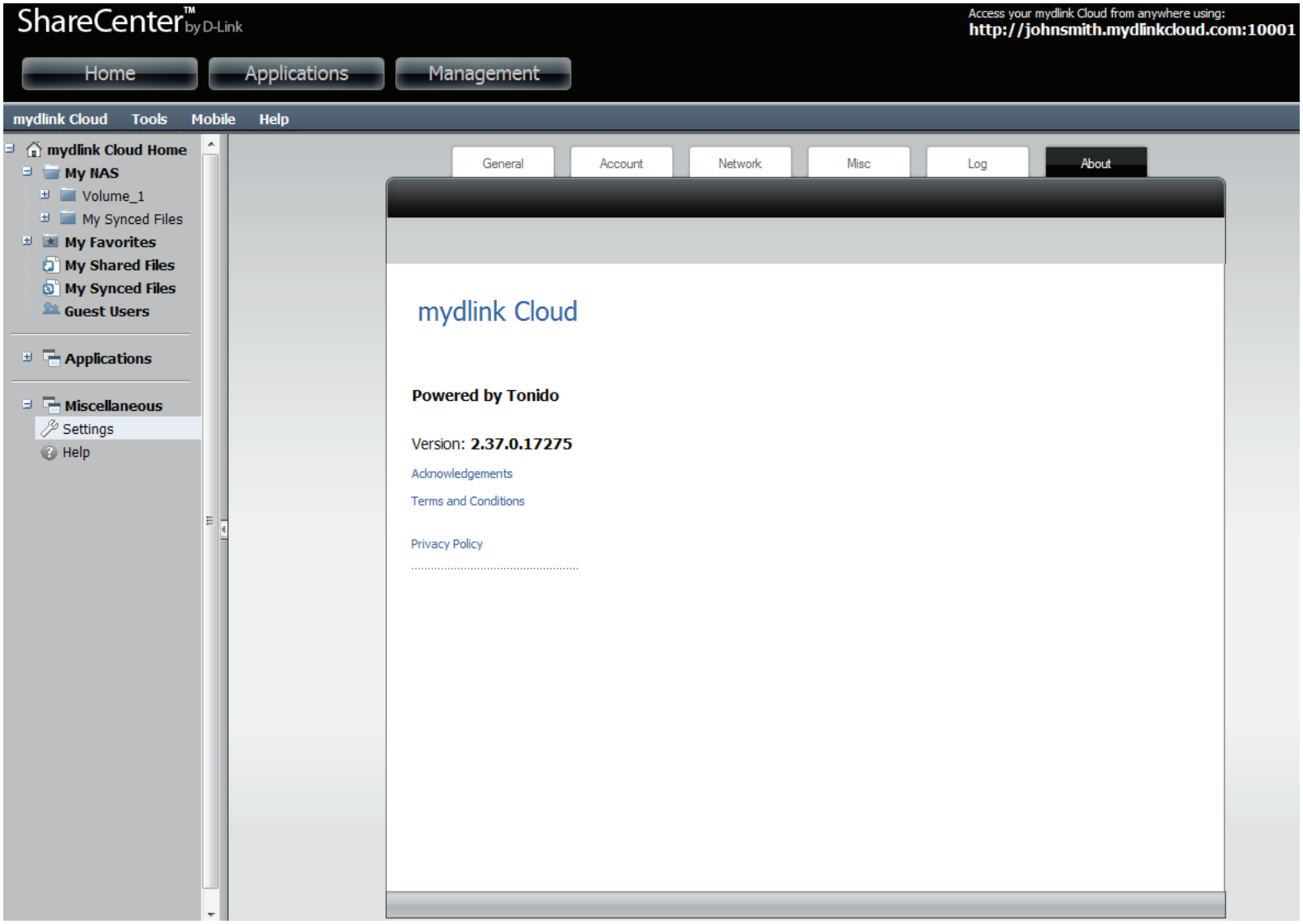
mydlink Cloud - Miscellaneous Settings - Log

The **Log** window provides a log of all your connections and other accounts connected to the **mydlink Cloud** service. The **Log Level** indicator offers eight options: **fatal, critical, error, warning, notice, information, debug**, and **trace**. Click the **Download Log File** button to keep a record of the file.



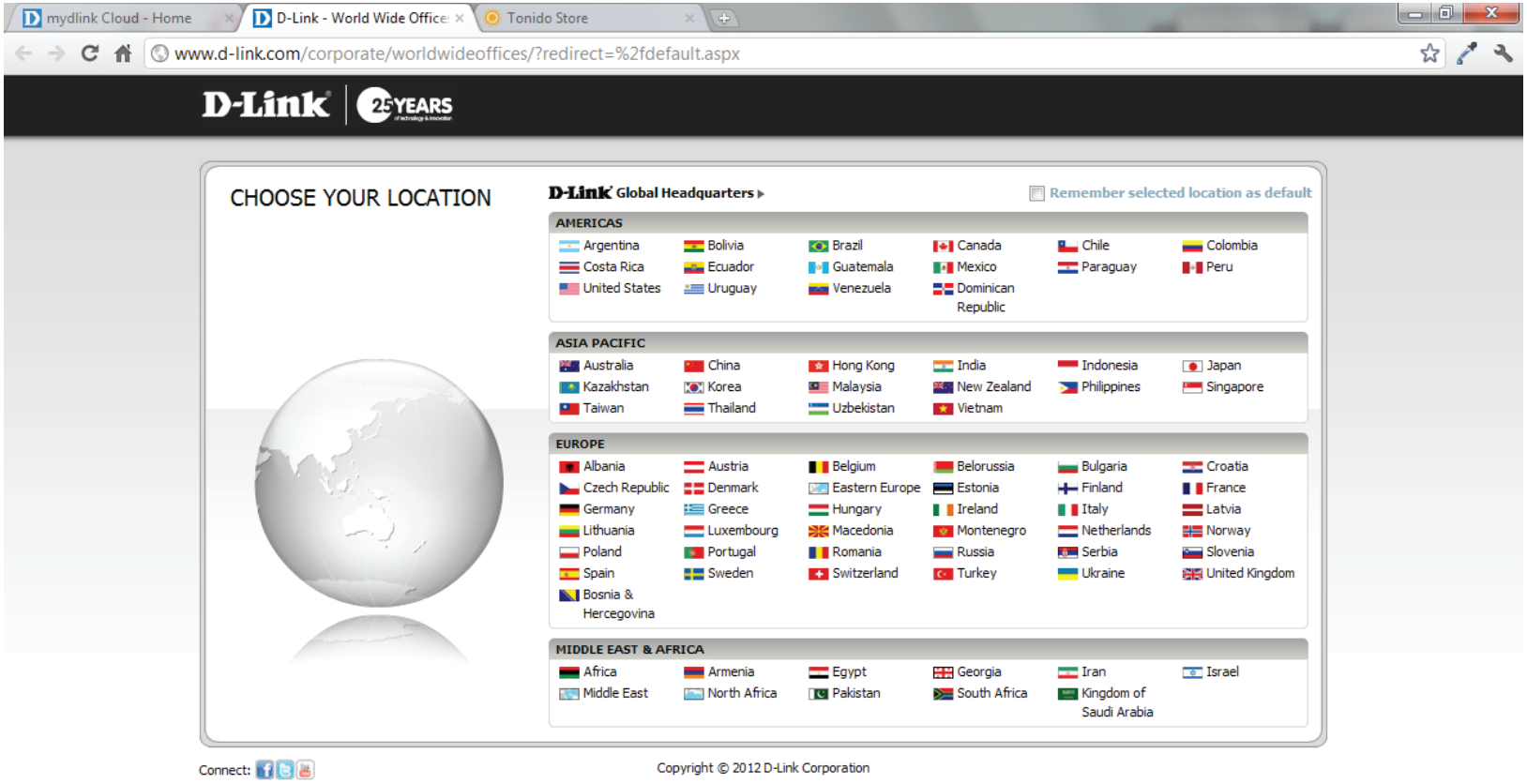
mydlink Cloud - Miscellaneous Settings - About

The **About** page provides details on the **software developers**, the **version number**, and **legal links**.



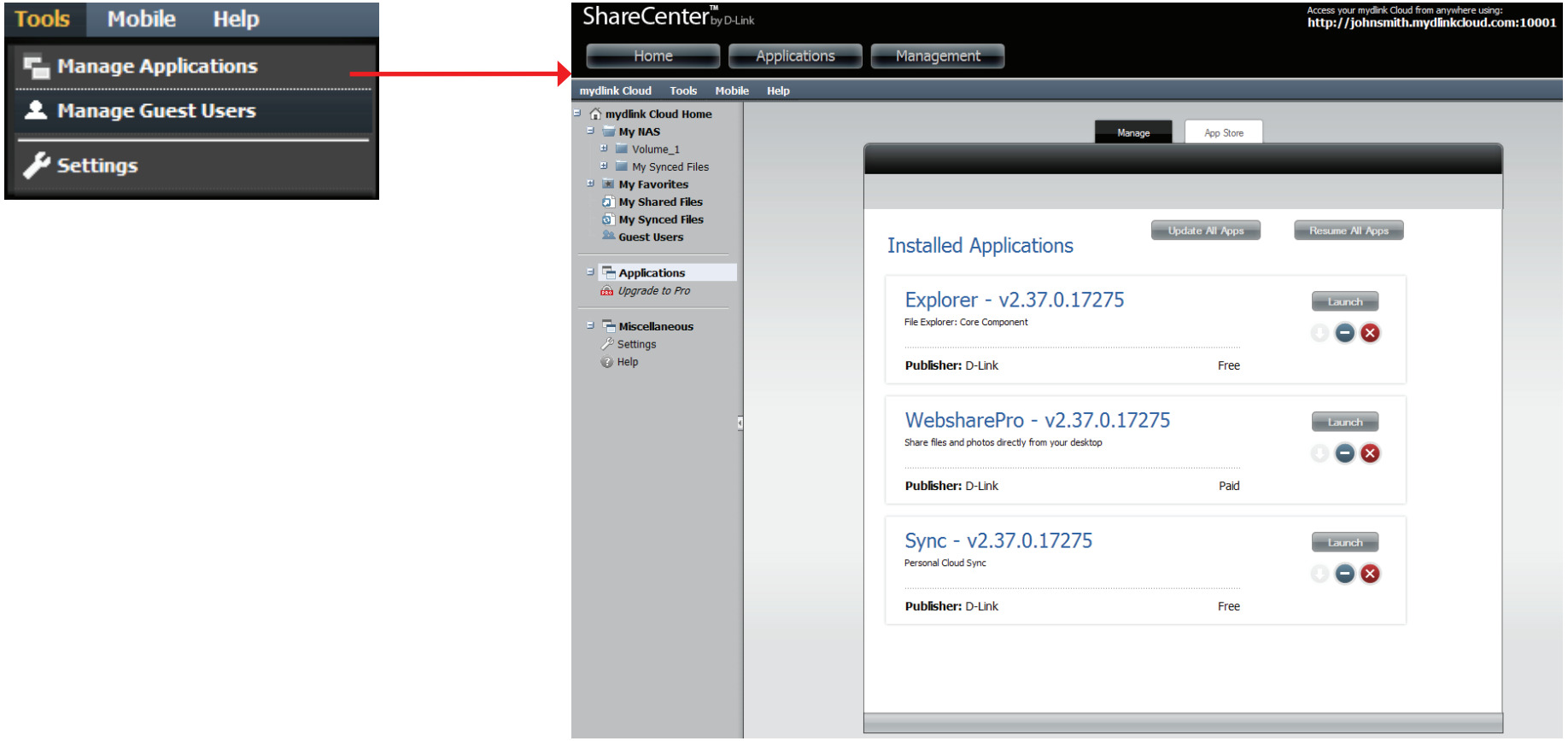
mydlink Cloud - Miscellaneous Settings - Help

The **Help** link directs you to the **DLink** website for further reference.



mydlink Cloud - Tools

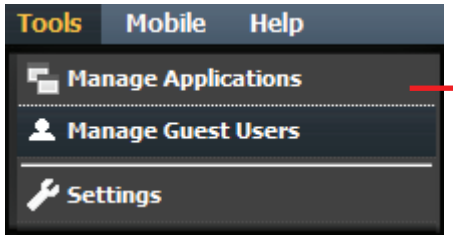
The **navigation bar** at the top of the cloud service have several options. **Tools** has three main sub-menus: **Manage Applications, Manage Guest Users**, and **Settings**. These sub-menus are links to pages we have discussed in earlier sections.

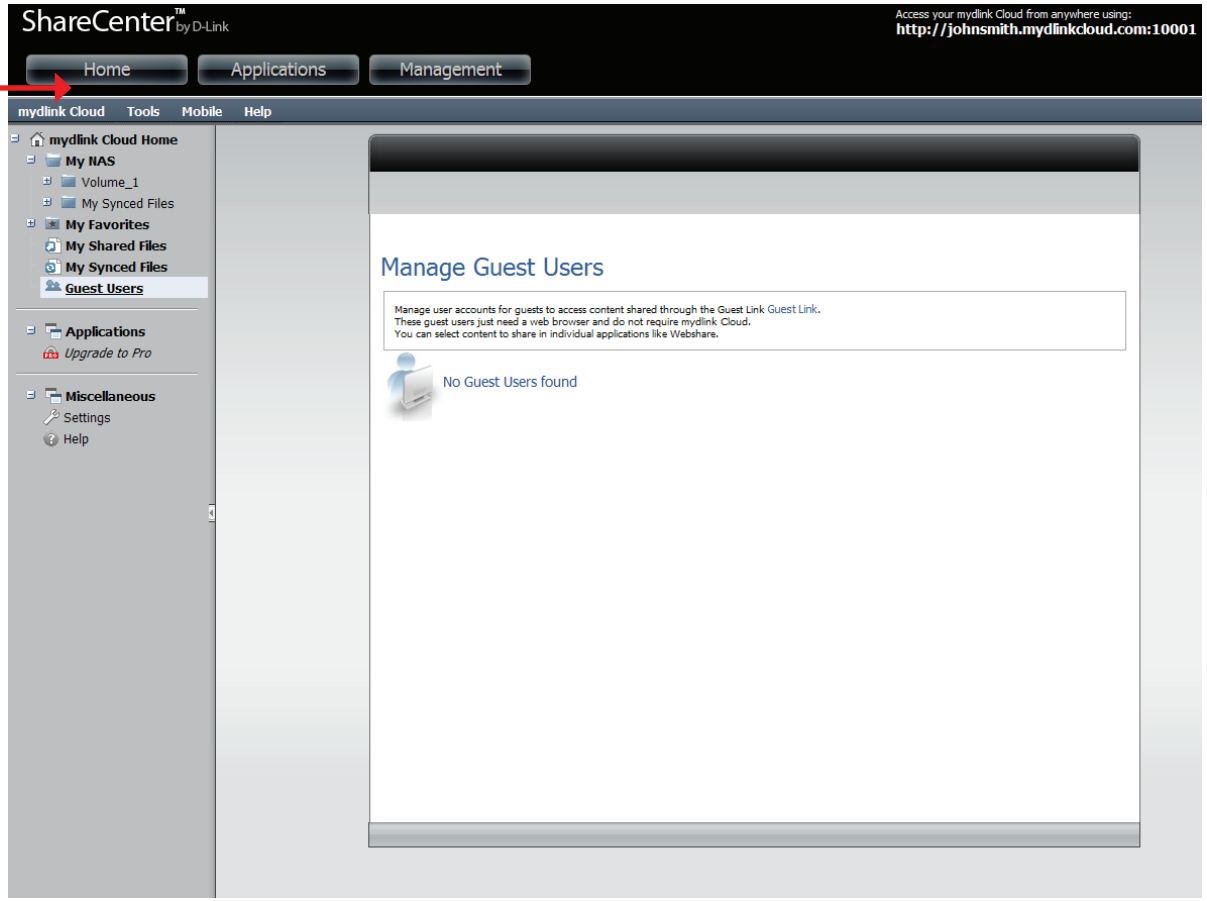


Manage Applications is linked to the **Manage** window under **Applications**.

mydlink Cloud - Tools

The navigation bar at the top of the cloud service have several options.. Tools has three main sub-menus: Manage Applications, Manage Guest Users, and Settings. These sub-menus are links to pages we have discussed in earlier sections.

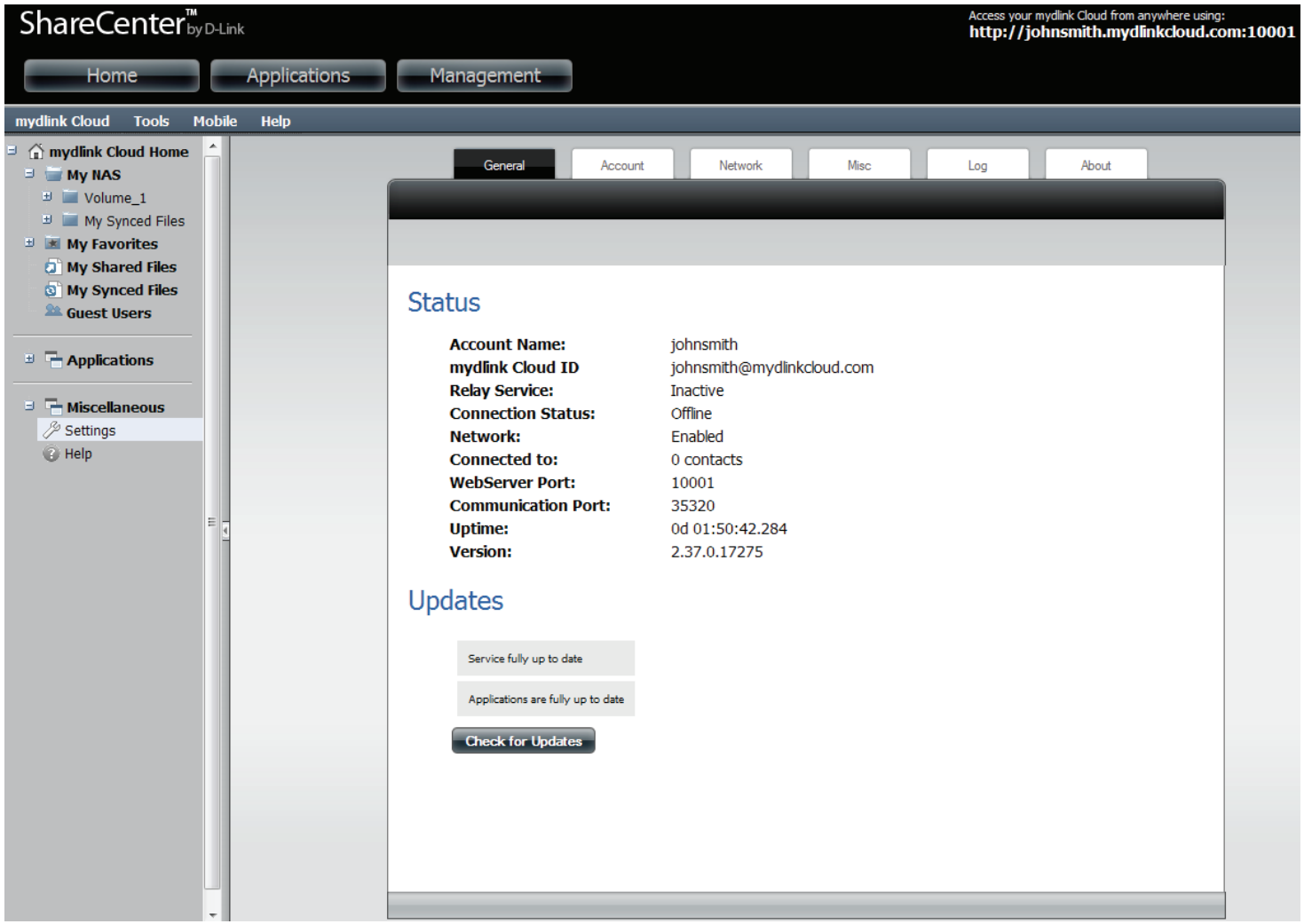




Manage Guest Users is linked to the **Manage Guest Users** under the **Guest Users** window

mydlink Cloud - Tools

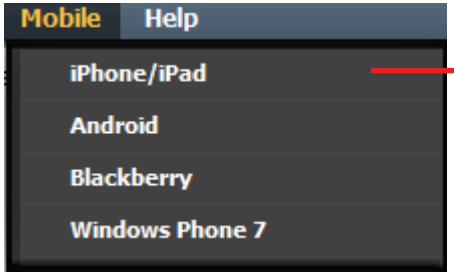
The navigation bar at the top of the cloud service have several options.. Tools has three main sub-menus: Manage Applications, Manage Guest Users, and Settings. These sub-menus are links to pages we have discussed in earlier sections



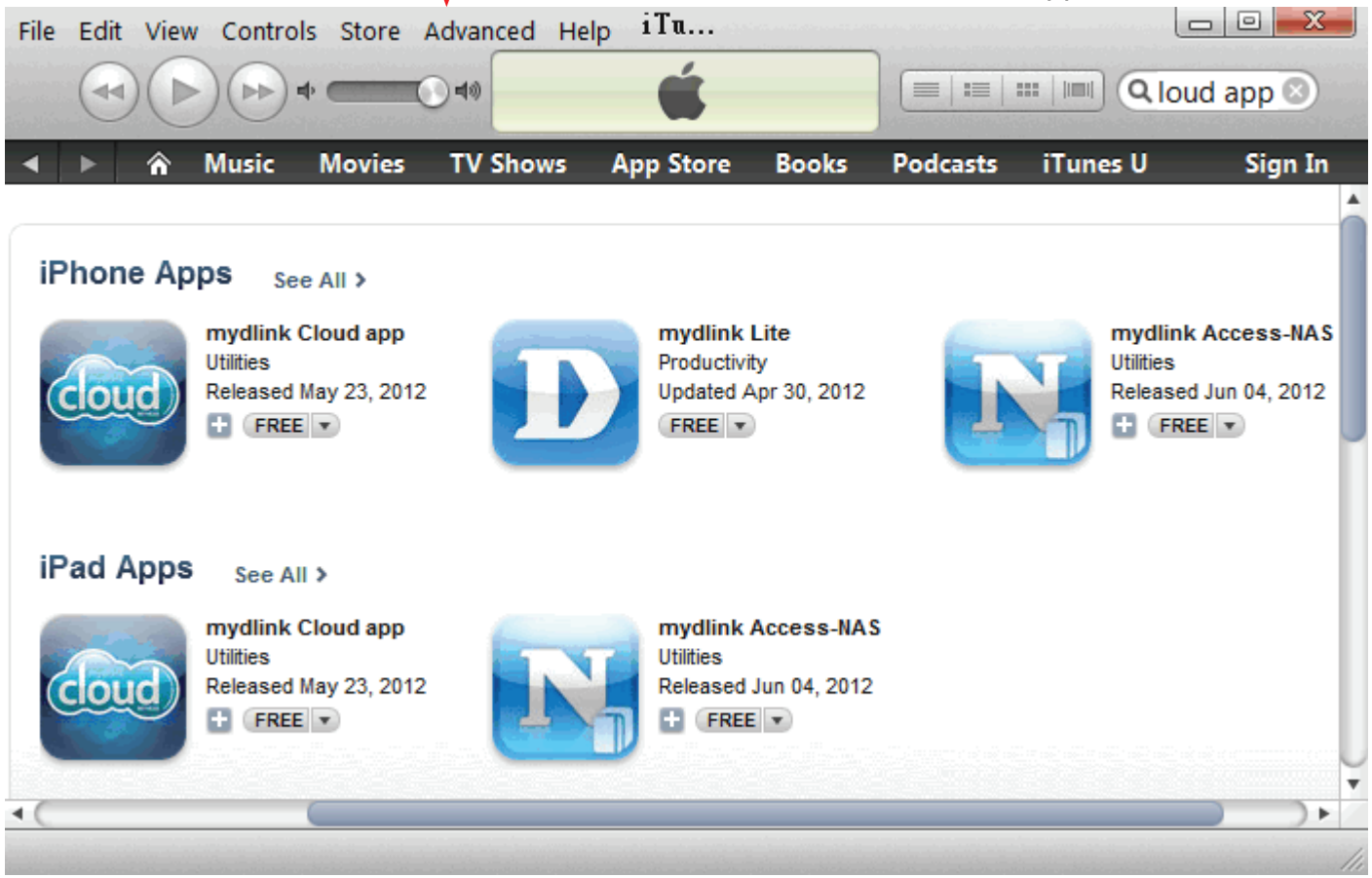
Settings is linked to the **Settings** configuration window under **Miscellaneous.**

mydlink Cloud - Mobile

The **navigation bar** at the top of the cloud service have several options. **Mobile** has four main sub-menus: **iPhone/iPad, Android, Blackberry** and **Windows Phone 7**. These sub-menus are links to pages we have discussed in earlier sections



iPhone/iPad is linked to the D-link iPhone Application.



mydlink Cloud - Mobile

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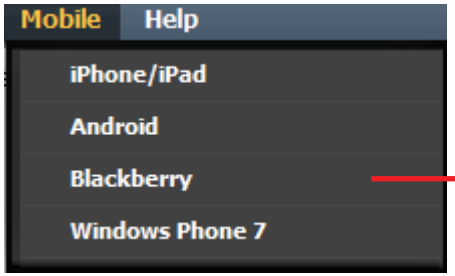


D-Link Android Application

Access and share your docs, photos, music and video from Android Smartphones.

Coming Soon

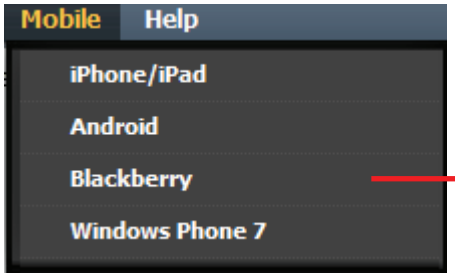
Available on:

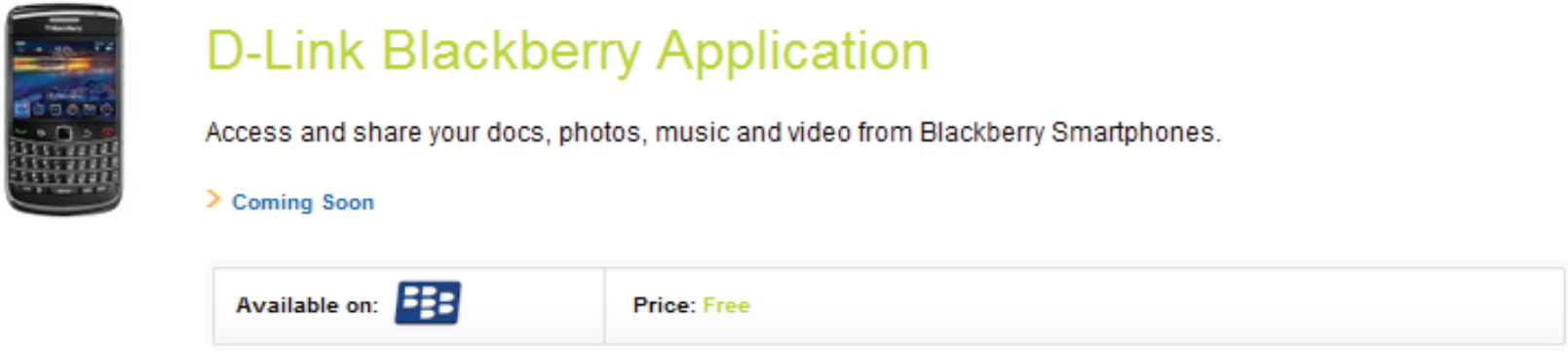
Price: Free

Android is linked to the D-link Android Application and is represented by a mydlink Cloud icon in the Google Play Store

mydlink Cloud - Mobile

The navigation bar at the top of the cloud service have several options.. Mobile has four main sub-menus: iPhone/iPad, Android, Blackberry and Windows Phone 7. These sub-menus are links to pages we have discussed in earlier sections.

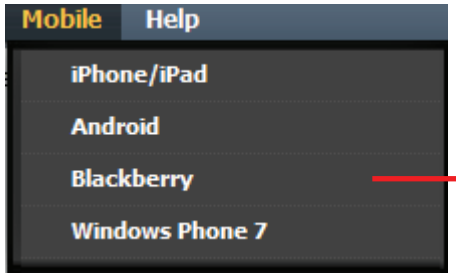




Blackberry is linked to the D-link Blackberry Application.

mydlink Cloud - Mobile

The navigation bar at the top of the cloud service have several options.. Mobile has four main sub-menus: iPhone/iPad, Android, Blackberry and Windows Phone 7. These sub-menus are links to pages we have discussed in earlier sections.



D-Link Windows Phone Application

Access and share your docs, photos, music and video from Windows Phone 7.

Coming Soon

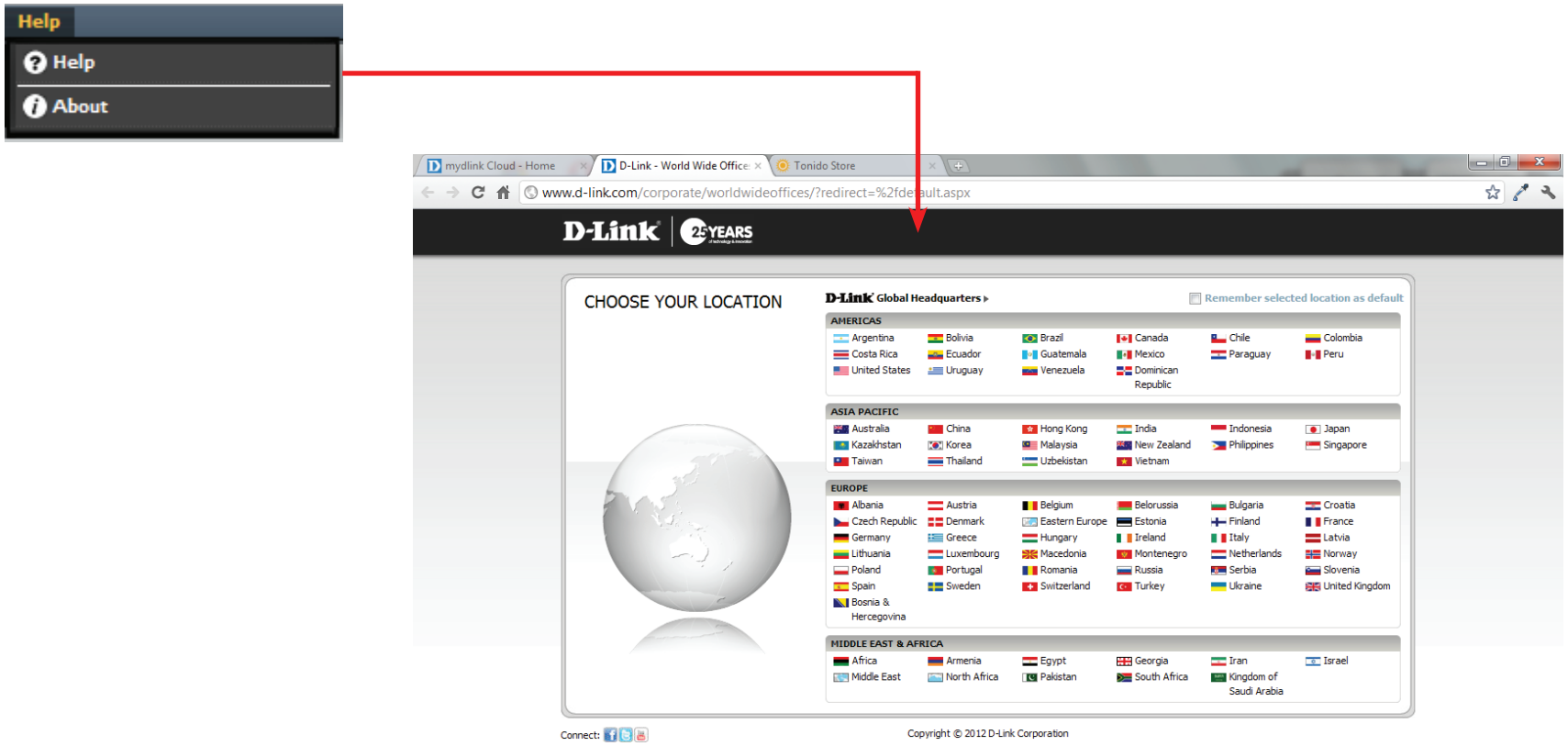
Available on:

Price: Free

Windows Phone 7 is linked to the D-link Windows Phone Application.

mydlink Cloud - Help

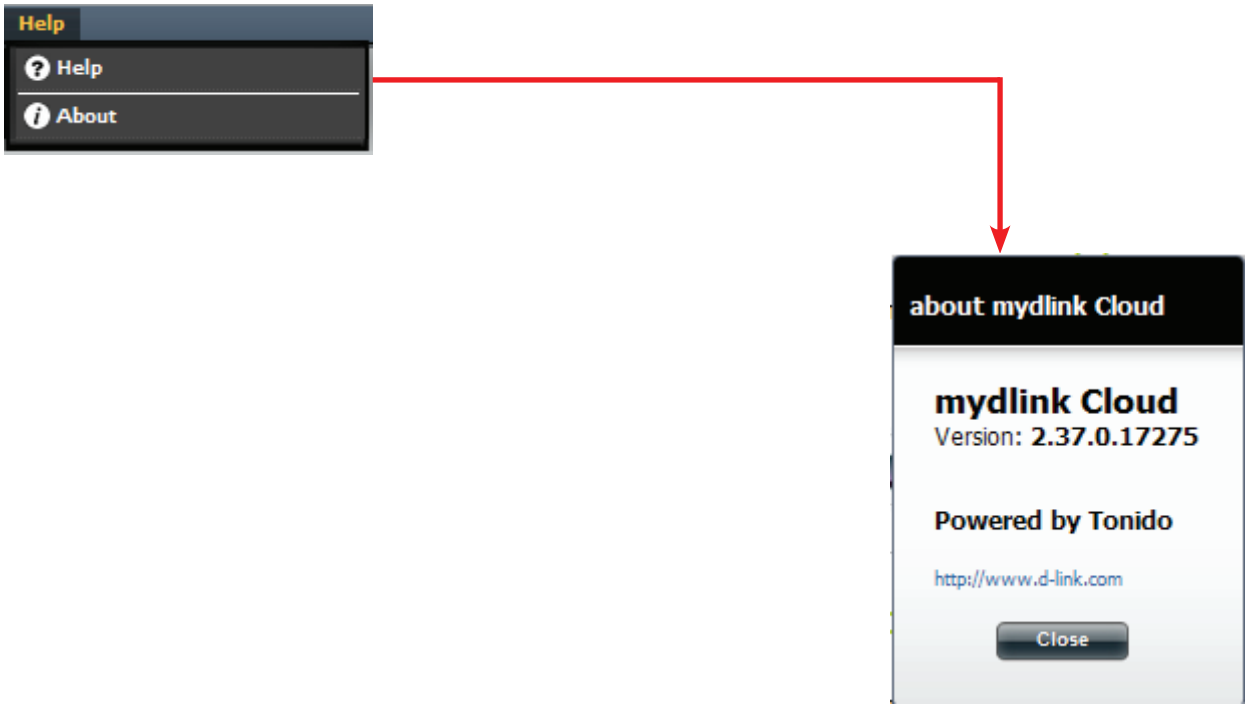
The navigation bar at the top of the cloud service have several options.. Help has two main sub-menus: Help and About. These sub-menus are links to pages we have discussed in earlier sections.



Help is linked to the D-link web site.

mydlink Cloud - Help

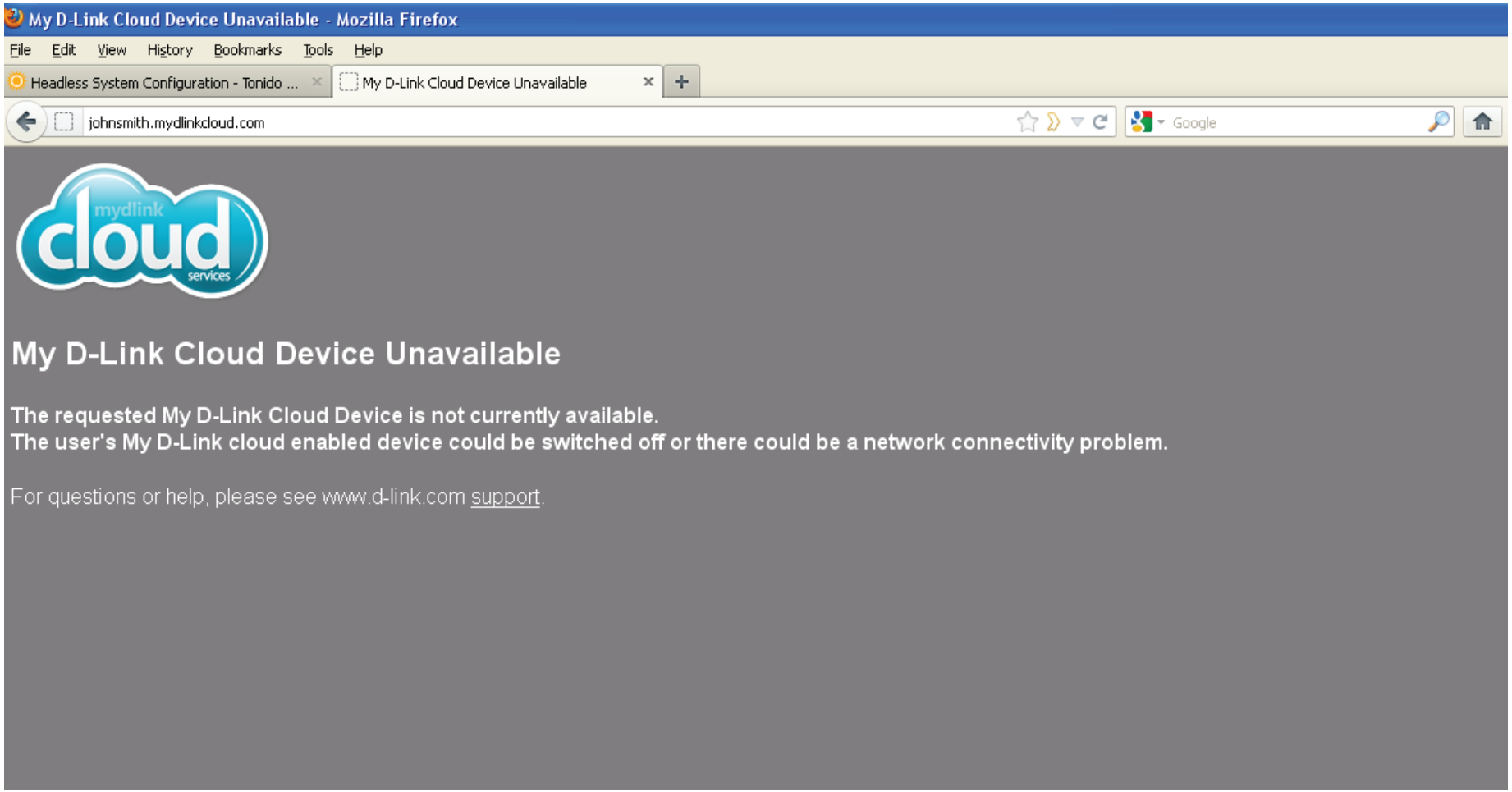
The navigation bar at the top of the cloud service have several options.. Help has two main sub-menus: Help and About. These sub-menus are links to pages we have discussed in earlier sections.



About is linked to the **about mydlink Cloud** pop up window. It shows the **version number, developers** and **web site address.**

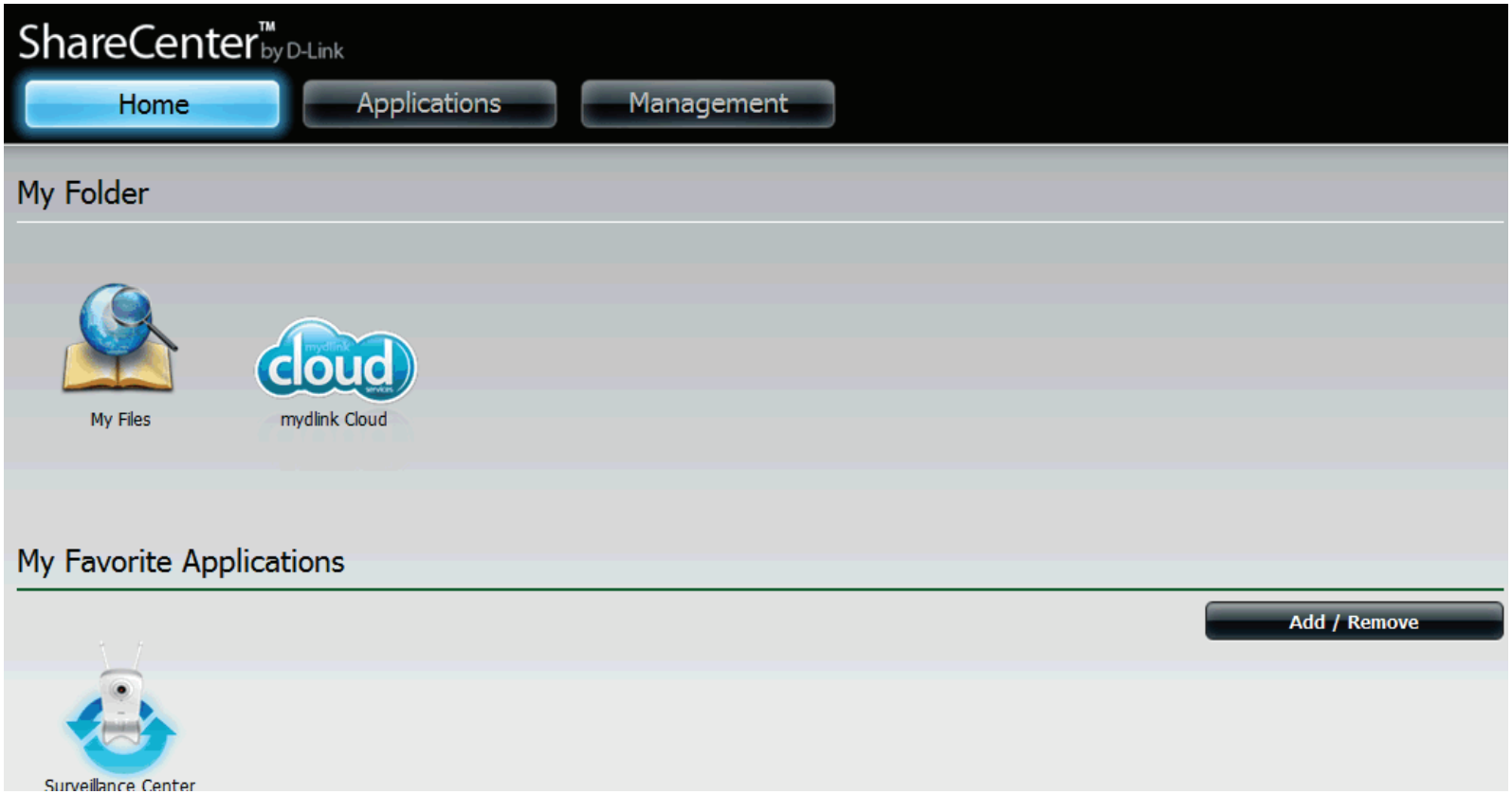
Disconnecting mydlink Cloud

When you disconnect the DNS-325 from the network or the device is shut down, the connection to your mydlink Cloud also ceases. When this happens just reconnect your NAS or contact your network administrator to resolve your network issue.



My Favorite Application - Add/Remove

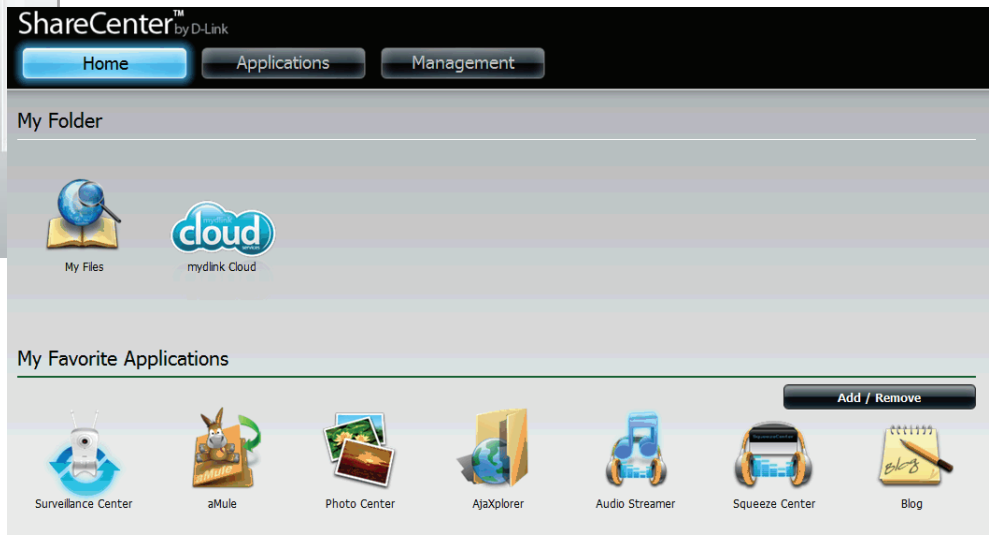
The My Favorites Application section allows users to add applications to the Home section so users can easily access these applications. Follow thsee easy steps to setup Favorite Applications on the Home screen.



My Favorite Application - Adding Applications

Click the **Add/Remove** button to add **Applications**.

Click the **checkbox** under each application you wish to add to the **Home** screen. Click **Apply** to continue.



The shortcut is now created on the Home screen. Click the shortcut to access the application.

Applications

FTP/HTTP Downloads

Schedule file and folder backups from an FTP server, web server, or local network share. Always test the URL before applying changes. This will help to ensure a successful download.

Category: Use the radio buttons to select the type of server that the source files/folders for the Schedule Downloads are located on. Click the **HTTP** radio button to specify that the source files are located on a web server. Click the FTP radio button to specify that the source files/folders are located on an FTP server.

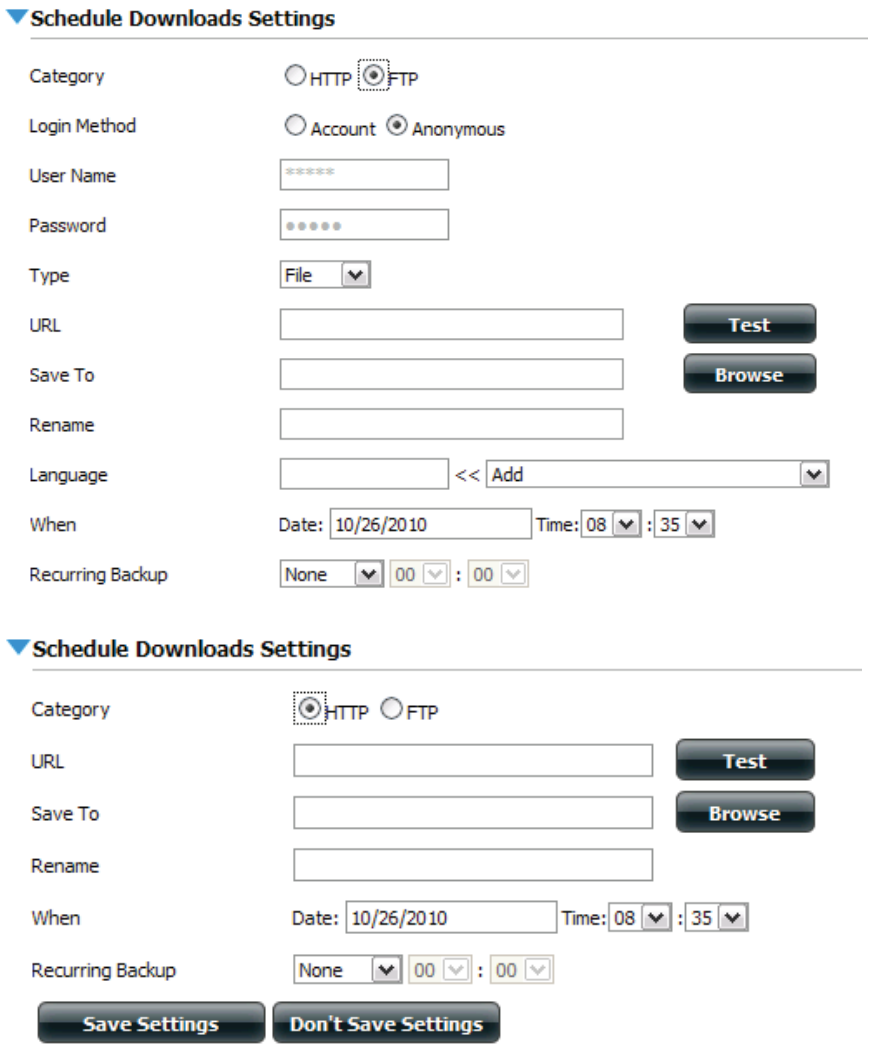
Login Method: Enter the login information for the site that contains the files that you want to schedule for downloading. If no password is required, select **Anonymous**. If a password is required, select **Account** and provide the user name and password.

Username: Enter the user name here.

Password: Enter the password here.

Type: Select either **File** or **Folder** from the drop-down list depending on whether you wish to download a file or a folder. Select **File** if you wish to download a specific file. Select **Folder** if you wish to download all the files in a specific folder.

URL: Enter the FTP/ HTTP site address for the scheduled download. Click on **Test** to verify access to the site address and file/folder. If you have chosen **File** from the above drop-down list, you must specify the exact file in the URL path, including the file extension. (e.g. http://example.com/test/testfile.txt).



Save To: Enter the specific destination on the internal drives for the downloaded files or folders to be saved to. Click **Browse** to browse the internal drives.

Rename: If you would like to rename a file after it has been downloaded from the specified HTTP/FTP server, enter the name you would like the file to be renamed to in this field.

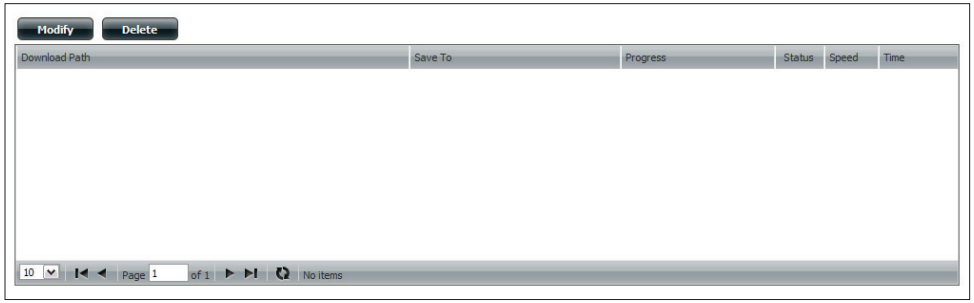
Language: Use the drop-down menu to select the language used in the file or folder that you are trying to download.

When: Select the date and time for the download to occur.

Recurring: If you wish to schedule a recurring backup, select the desired interval (daily, weekly, or monthly) and the time you want the backup to start.

Incremental Backup: This type of backup, if used, will compare files of identical names on both the source and destination folders. If the source file was modified later than the destination file, the source file will overwrite the existing (old) destination file. If the source file is the same as the destination file, no action will be taken.

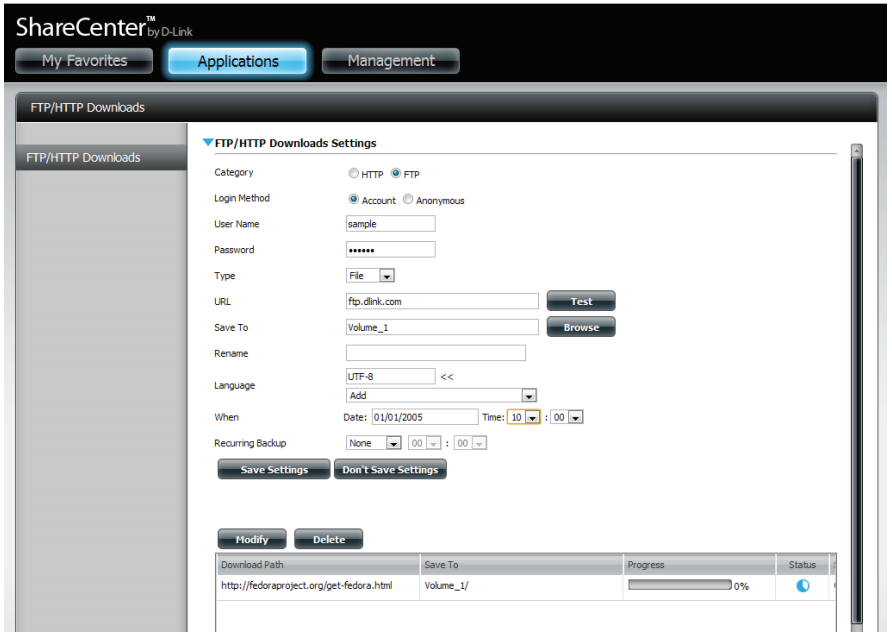
Schedule Download List: Pending and completed download events will be listed here. The current status for each event is displayed here. In addition, there is an option to delete a download event at anytime. Current download statistics, such as % completed and download speed, are displayed for each event. A refresh button is also provided to produce updated listings at any time.



Note: When you use FTP/HTTP on your ShareCenter™, for scheduling files and folder backups make sure you configure your router to forward port 20-21, and port 80 for HTTP to the IP address of your ShareCenter™.

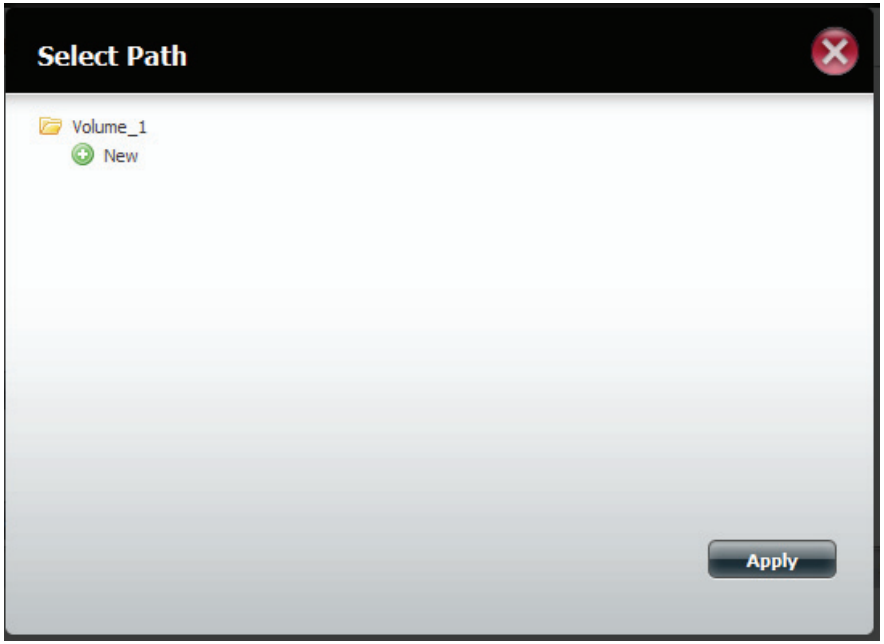
Log in and select **Applications**, then **FTP/HTTP**. Select **HTTP** by clicking on the radio button and enter a URL.

Click **Test** to test the URL.



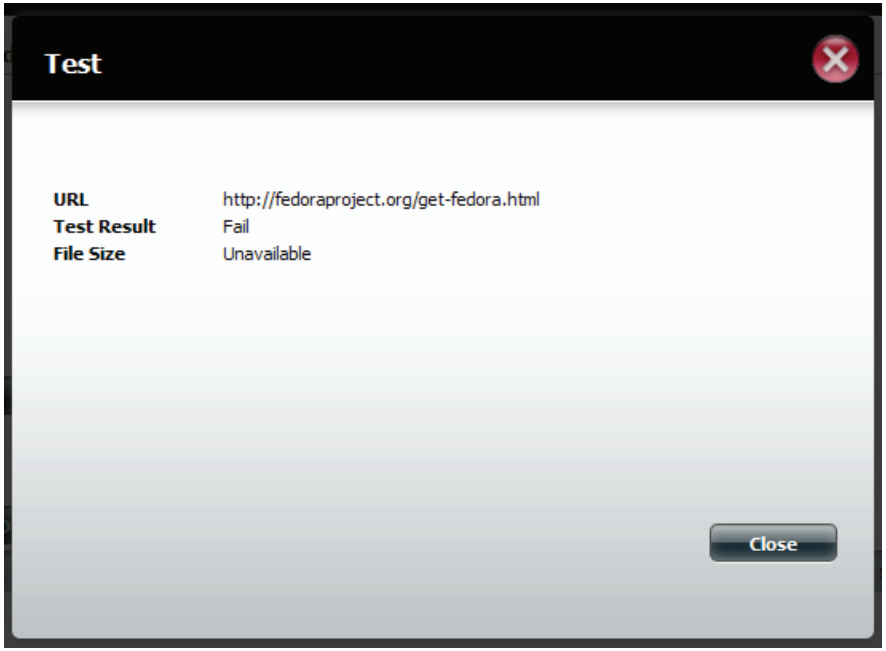
Under **Save To**, click the **Browse** button to save your HTTP files.

Enter (optional) details under Rename.



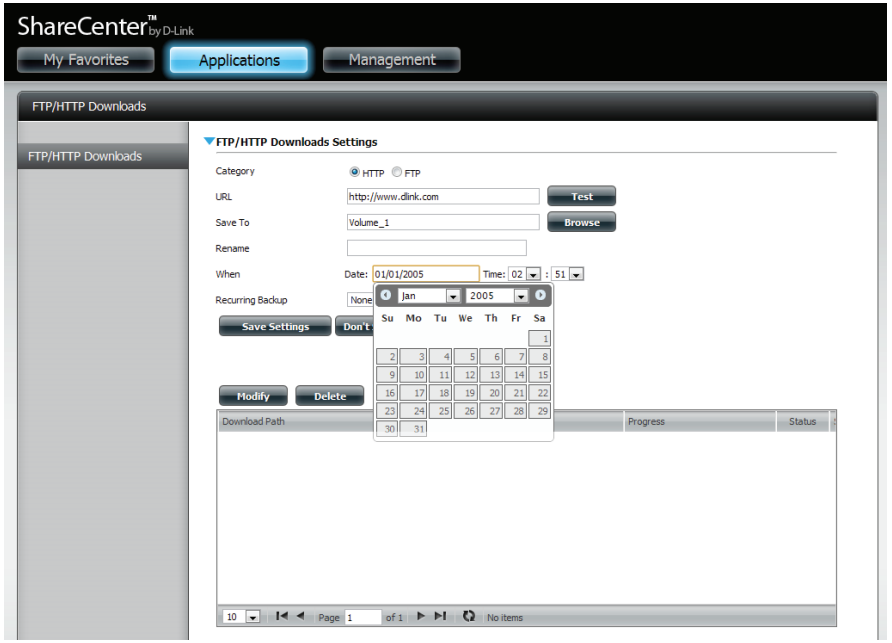
Click **Test** to test the URL. The test results will either show pass or fail.

Click **Close** to proceed.



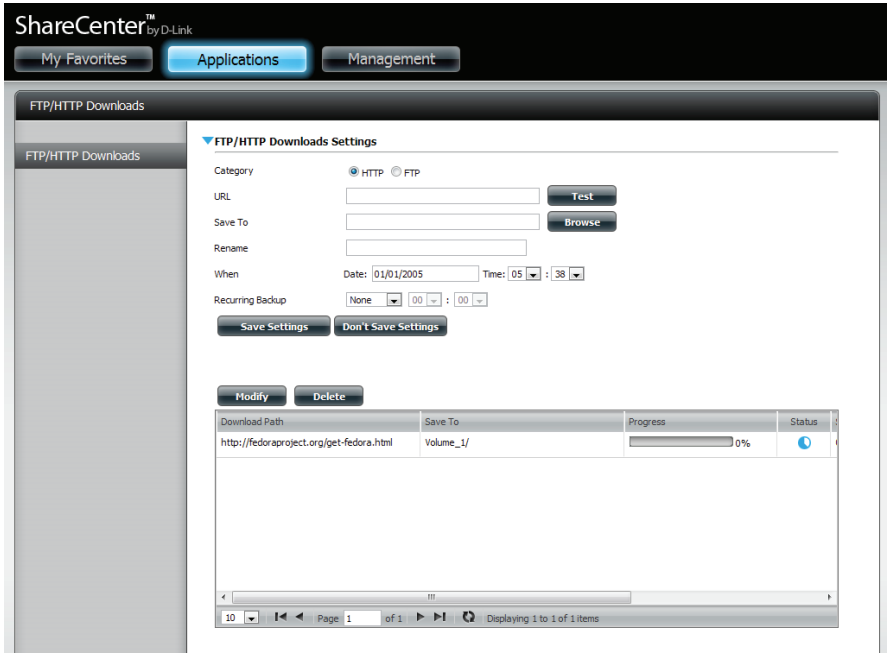
Select a date and time for the download settings.

Select a recurring backup time frame and then click **Save Setting** to continue.

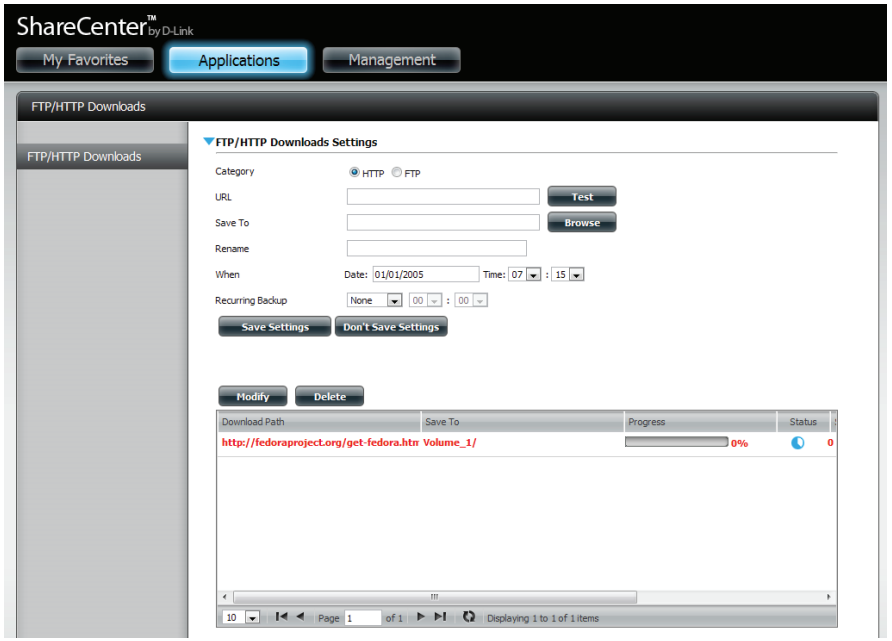


The table below will show the HTTP downloads.

To edit an item, select it and then click **Modify**.



To delete an item, select it and then click on the **Delete** button.

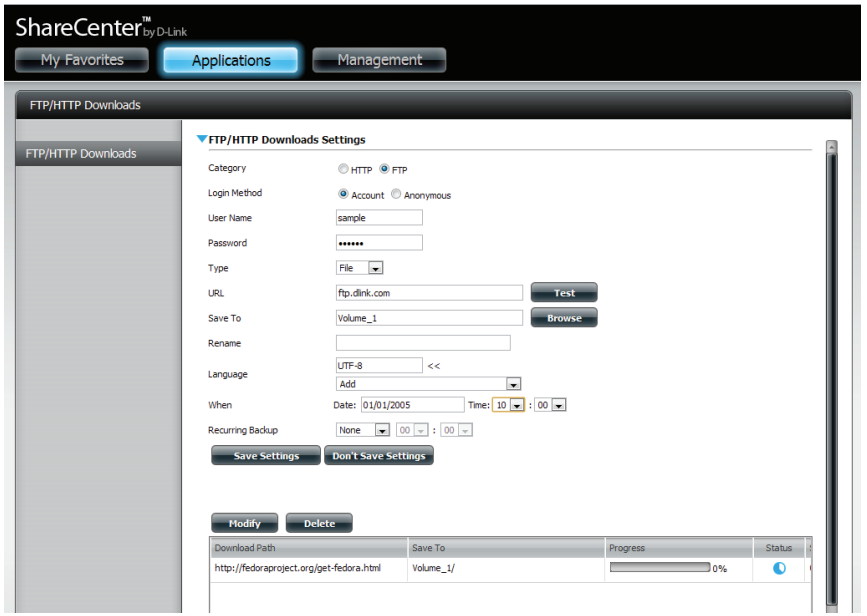


Applications - FTP Downloads

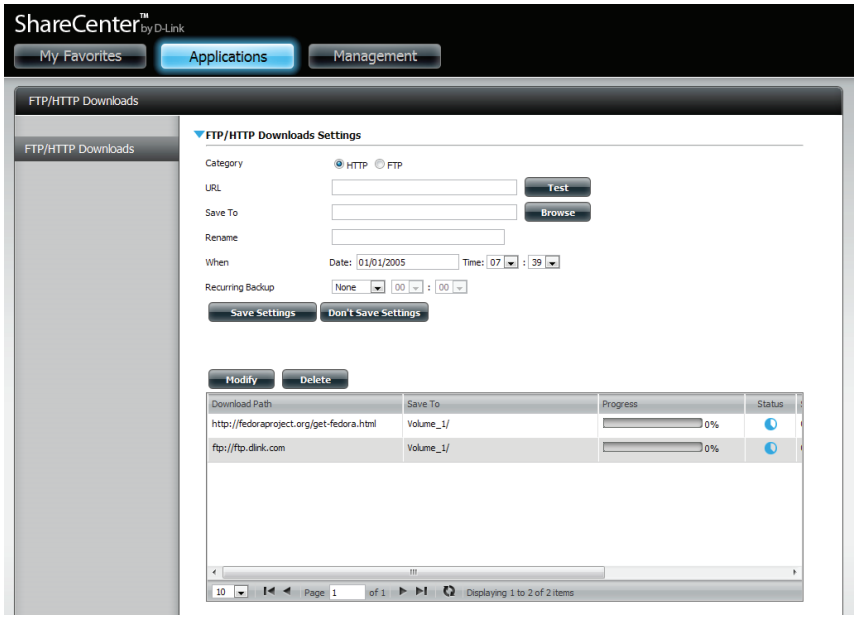
Click **Applications**, then **FTP**.

1. Select **Account** as the Login Method.
2. Enter a **username** and **password**.
3. Select a **type**.
4. Enter a **URL**.
5. Browse to a **location** to save files to.
6. Select the **Language** and **Scheduling**.

Click **Save Settings**.



The table below will now show the **FTP path** and **status**.

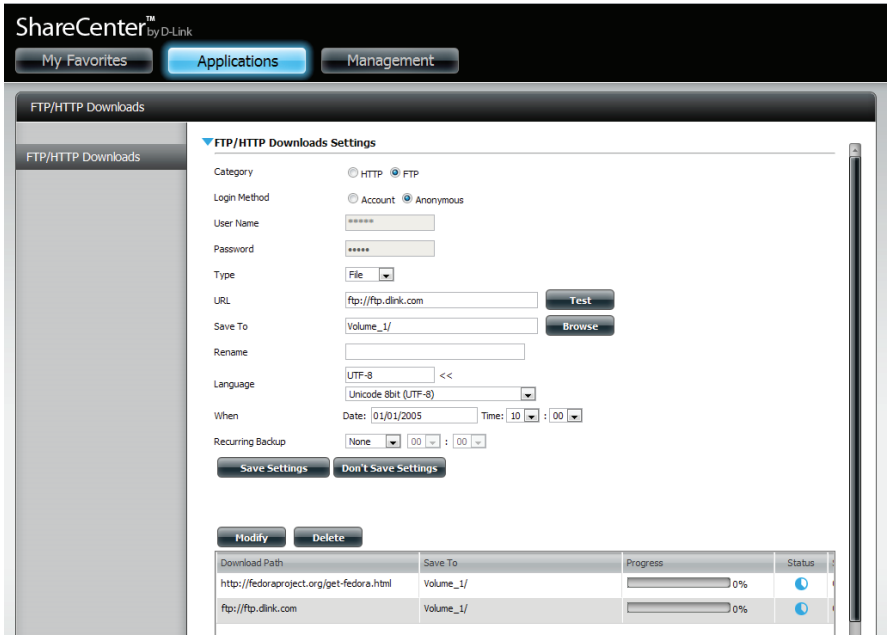


For **Anonymous** settings:

Click the **Anonymous** radio button and follow the rest of step 1.

Since the **Login Method** is **Anonymous**, the username and password sections are greyed out.

Click **Save Settings** once complete.



Remote Backups

Remote Backups allows you to back up your device to another ShareCenter™ or Linux Server or vice versa from a remote ShareCenter™ or Linux Server to your device. Click the **Create** button in the remote backups list to start a wizard where you can configure the Remote Backup functionality.

Enable remote backup service: Check this box to enable the remote backup server functionality to that a remote NAS or Linux.

Note: If you are not using the Remote Backup functionality leave this box unchecked so that your device performance will not be affected by the additional overhead used by this process.

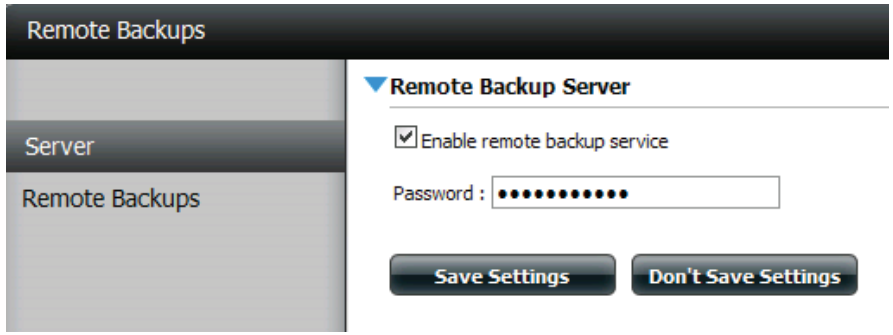
Password: Enter a password that the remote client will use.

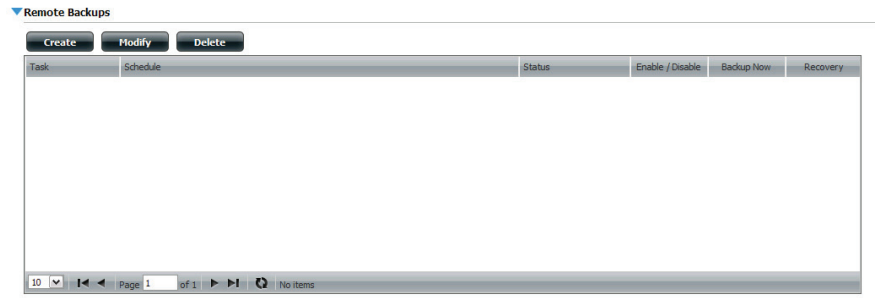
Remote Backups list: This is the list of remote backup jobs built by pressing the **Create** button above the list to configure each job.

Create: Click the **Create** button to build a new remote backup job.

Modify: Click to make changes to your existing Remote Backup jobs in the Remote Backup list. You must select the remote backup job first and then click the **Modify** button.

Delete: To remove a Remote Backup job select the job in the list and then click the **Delete** button.



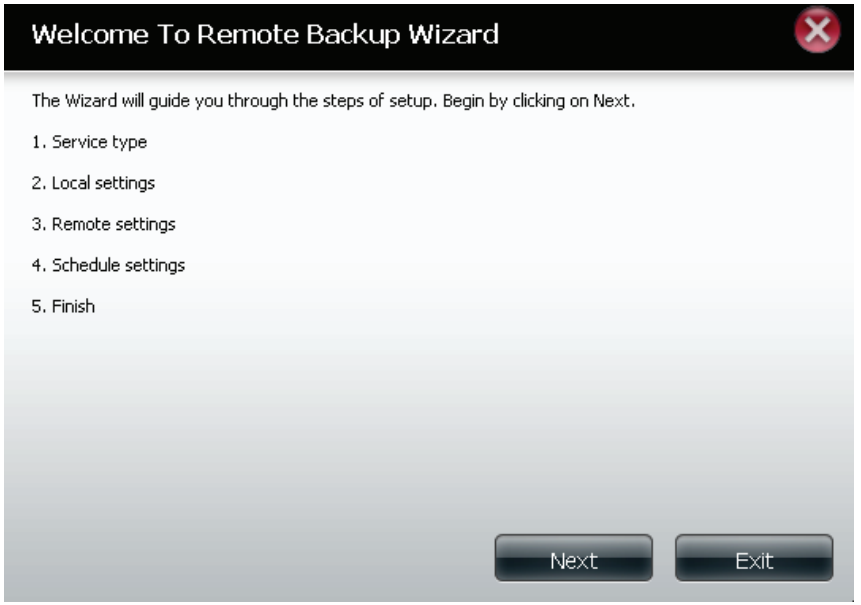


Note: When you use the NAS as the source backup provider of all your content, make sure you enable the Remote Backup Server with a password. You will also need to configure the router to forward data through port 22 or port 873 to the IP address of the ShareCenter™.

Remote Backups - Create wizard

When you click the **Create** Button above the Remote Backup list this wizard will launch allowing you to configure a new Remote Backup job.

Welcome: Displays the steps of the wizard.

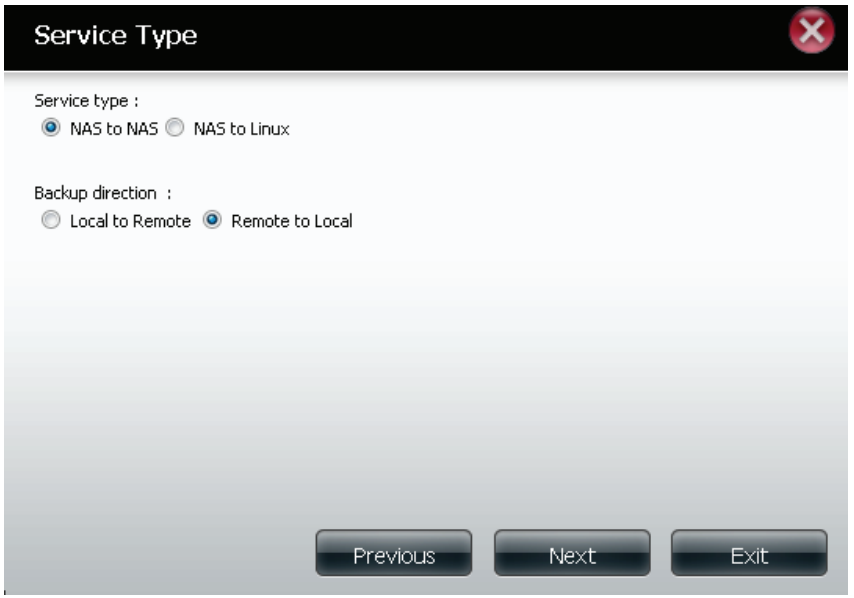


Service Type: **NAS to NAS**: Backup from the local NAS to a remote NAS or vice versa.

NAS to Linux: Backup from the local NAS to a Linux file system or vice versa.

Local to Remote: Sets the backup source as the local NAS and the target destination for the backup files as the remote NAS or Linux file system.

Remote To Local: Sets the backup source as the remote NAS or Linux file system and the target destination for the backup files as the local NAS.



Local Settings: **Task (Name):** The name used to refer to the backup job which will be listed later in the Remote Backup list.

Folder Path: Select a local network share folder or file as the target or source for the backup job.

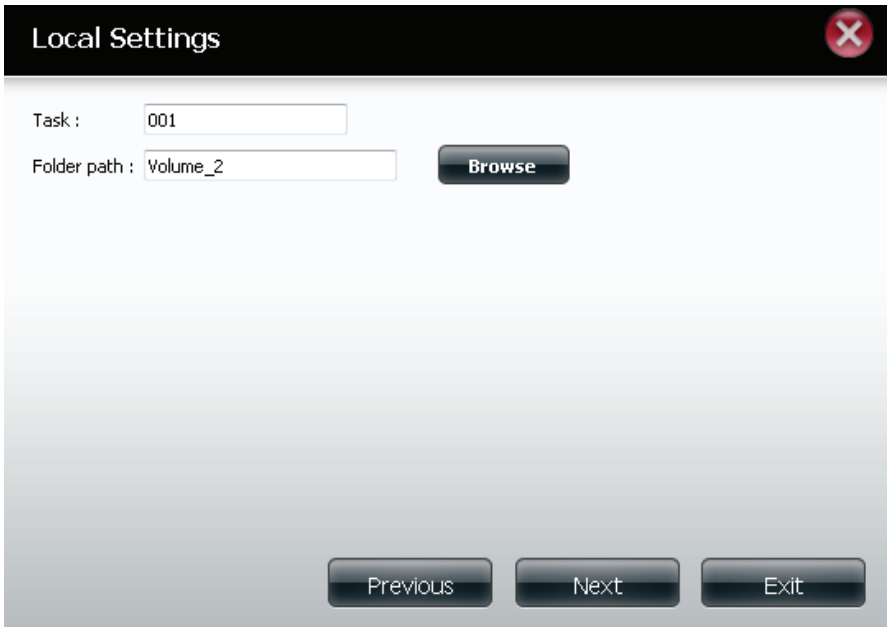
Remote Settings: **Remote IP:** The backup process uses Rsync protocol and needs to know the IP address of the destination source or target device for the backup. Input the IP of the remote NAS or Linux file system.

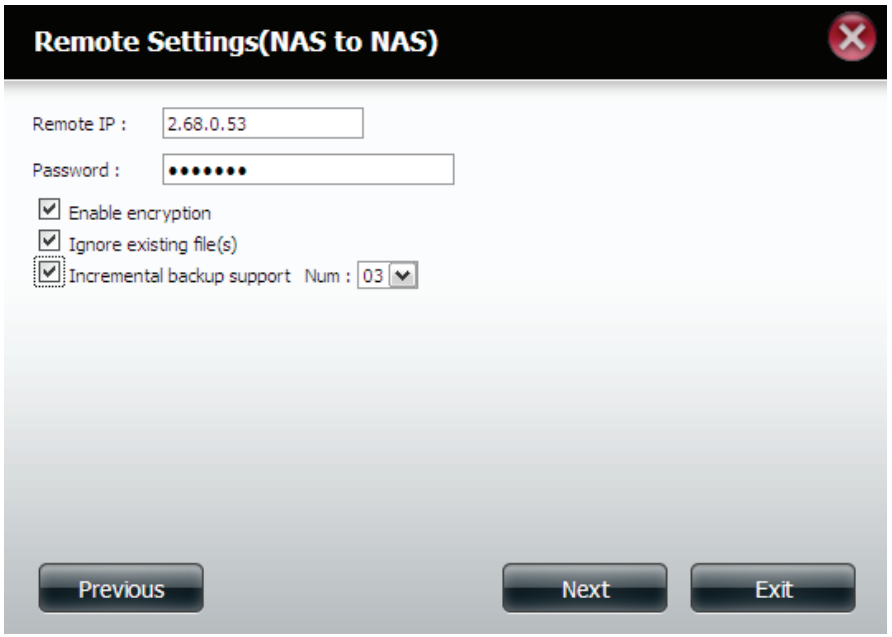
Enable Encryption: Checking this box will enable SSH encryption of the files that are transferred (backed up) over the network between the local and remote devices.

Ignore existing file(s): Checking this box prevents the backup process from writing over any files in the target file system that are not part of the backup files or folders. Therefore any existing files in the target system are preserved.

Incremental backup support Num (#): Checking this box provides multiple backup-capability at scheduled times. The first backup in an incremental series captures all the files for backup. Subsequent backups are incremental in that only the files and the folders that have changed in the backup source since the last incremental backup will need to be backed up. Each incremental backup builds a complete snapshot of the backup source however only the initial backup contains all the original files and folders. The subsequent backups in the incremental series contain new files and folders plus the links to the first incremental backup.

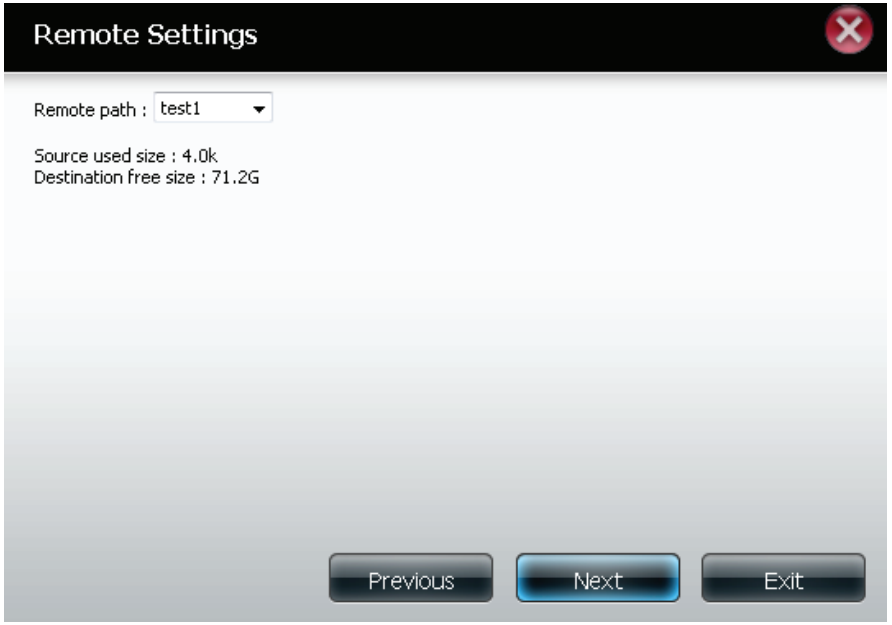
Enable **Remote to Local Backup** to make this function work.





Remote Settings:

Remote Path: Using the drop-down menu, select the file system (folder) path to the remote target or source system for backup.

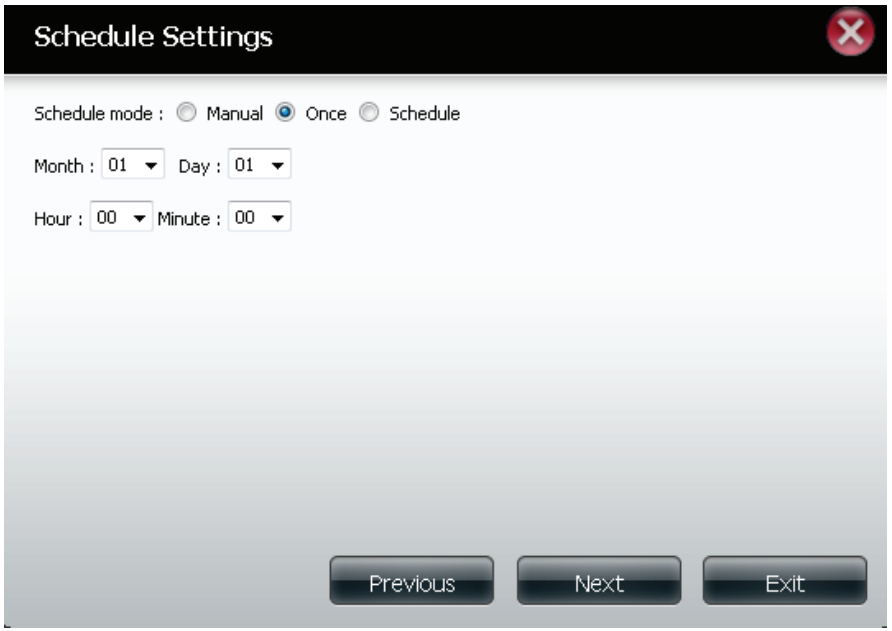


Schedule Settings:

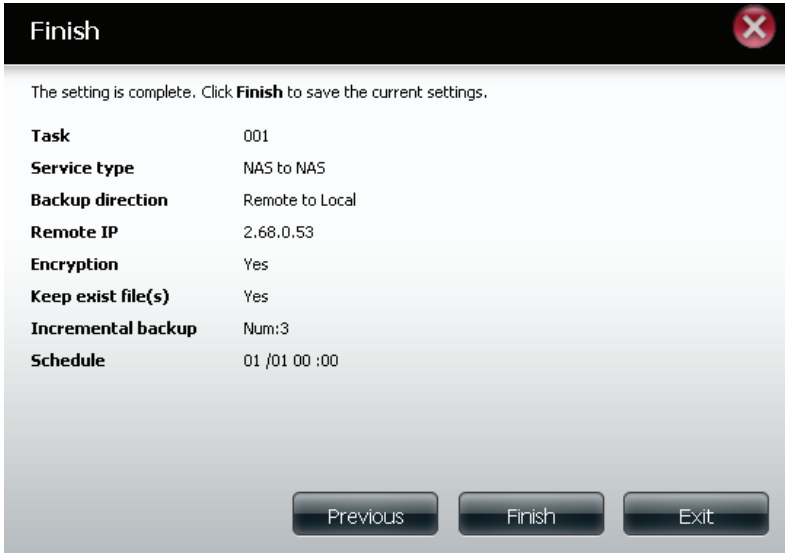
Manual: Check either **Yes** or **No** selection below to start the backup (yes) immediately on completion of the wizard or (no) manually start the backup from the Remote Backup list.

Once - Select this option to run the Remote Backup once at a specific date and time set.

Scheduled: Select this option to set the backup to occur daily, weekly, or monthly per a specific schedule.



Finished: Click on **Finish** if you are satisfied with all the settings of the Backup job created. Otherwise click on the **Previous** button to go back and make changes. Alternatively click on **Exit** to end the configuration without adding a Remote Backup job.



Remote Backups list:

Task: The name of the Remote Backup job.

Schedule: When the Remote Backup job will execute.

Status: Current status which can be

- Ready the remote backup job is ready to be executed.
- Finished the remote backup job has executed completely and successfully.
- Failed the Remote backup job was unsuccessful during execution.

Enable/Disable: If the button shows a red circle the remote backup job is enabled. Click the red button to disable the remote backup job and the button will change to a green triangle. Clicking the green triangle will enable the job again.

Backup now: Click to execute the backup job immediately as long as the job is enabled.

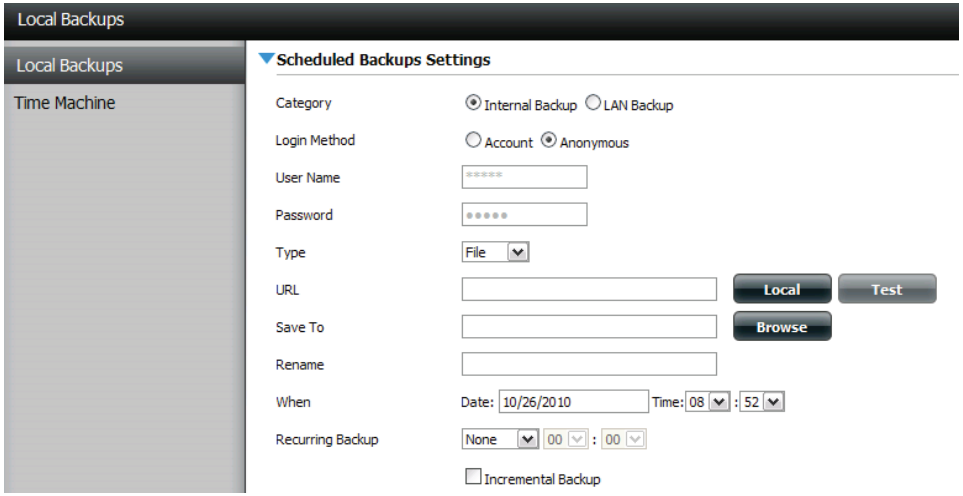
Recovery: Click to write the backup files and folders back into the source file system from the backup target system (reverse the file direction).

Navigation buttons: Use these buttons to move up and down in the list when there are multiple jobs configured.

Refresh Button: Click this button during a backup or recovery process to monitor the progress by updating the progress completed bar.

Local Backups

Schedule local file and folder backups from the local network share of the device or from the local computer. Always test the URL before applying changes. This will help to ensure a successful download.



Category: Use the radio buttons to select the backup method. If your NAS device has two volumes you can click the Internal Backup radio button to backup the data from the first volume to the second volume and vice-versa. The Internal Backup feature also allows you to backup an existing folder on a volume to another folder on the same volume but nested folders in the same volume are not allowed.
If you want to backup the data from your PC or another NAS device to your NAS device, click the LAN Backup radio button.

Login Method: Enter the login information for the site that contains the files that you want to schedule downloads from. If no password is required, select **Anonymous**. If a password is required select **Account** and provide the user name and password. This option is only available for LAN Backups.

Username: Enter the user name.

Password: Enter the password.

Type: Select **File** or **Folder**, depending on what you want to download or backup.

URL: Enter the URL of the site or server you are initiating a transfer from. E.g. ftp://123.456.789/Test or ftp://123.456.789/test.txt

Save To: Enter a valid destination drive on the device, or click **Browse** to select the destination.

Rename: Enter the renamed file name here.

When: Enter the date and time you want the scheduled backup or download to initiate.

Recurring Backup: Designate the interval and time you want the backup or download to run unattended.

Incremental Backup: By default all local backups and file/folder downloads are in Overwrite mode, meaning that identical files in the destination folder will be overwritten by the source files. Checking Incremental Backup will have the device compare identical file names at the source and destination. Files will only be overwritten if the source file is more recent.

Local Backups - Time Machine

This section allows the user to configure the device so that it becomes a backup destination in the Mac OS X Time Machine. In order to use this function, the AFP service is required. The AFP service will start automatically as soon as this function is enabled.

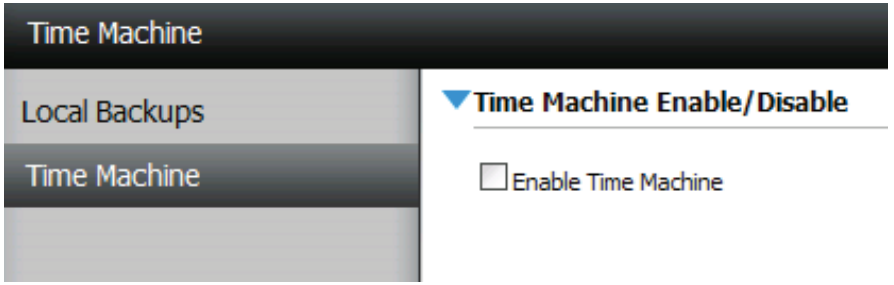
Enable Time Machine: Click this to enable the Time Machine function to work with a MAC OS X Time Machine. The Time Machine Settings list will appear when this checkbox is ticked.

Time Machine Settings list: A list of destination folders on the Network Shares associated with the Time Machine backup.

New: Click to add a NAS folder as a Time Machine destination.

Delete: Click to delete a NAS folder setup.

Remove all Network Shares: Deletes all of the NAS folders in the list.



P2P Downloads - Settings

Within this menu you can configure the P2P download management settings.

P2P: Select **Enable** or **Disable**.

Disable: In the block provided the user can configure the running schedule for P2P downloads. Simply select the Start and Stop block for the appropriate day and time.

Auto Download: Select **Enable** or **Disable**.

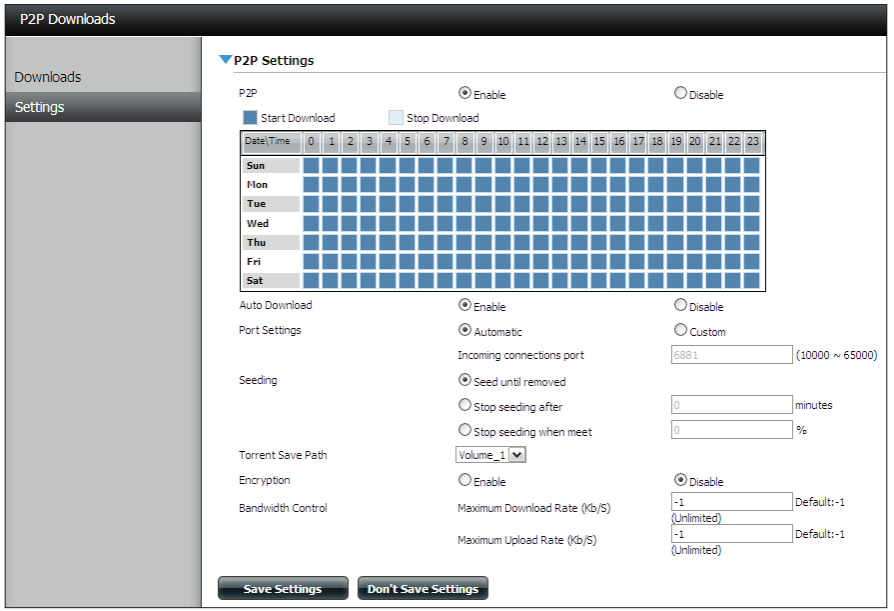
Port Settings: Click Enable to allow the device to automatically choose incoming connection port or click **Custom** and configure the incoming connection port manually.

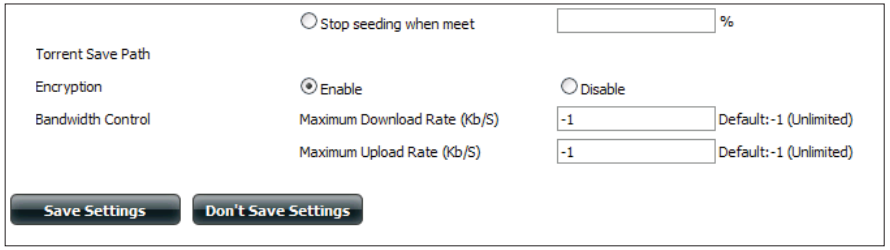
Seeding: Select one of the three seeding options.

Torrent Save Path: Displays the volume where the Torrent will be saved.

Encryption: Select **Enable** or **Disable**.

Bandwidth Control: Configure the maximum download rate and maximum upload rate. Enter **-1** to set the respective field to *unlimited*.





P2P Downloads - Downloads

Configure the Peer-to-Peer download manager settings.

Add Torrent from URL: In the field provided you can copy and paste a link to a torrent file hosted on the Internet. The P2P download manager will add the torrent file to the download manager and download your files.

Add Torrent from File: Browse for a torrent file you have downloaded onto your PC.

P2P Downloads list: This window will display all the running tasks.

Remove Completed: The user can click on the **Remove Completed** button to remove completed downloads.

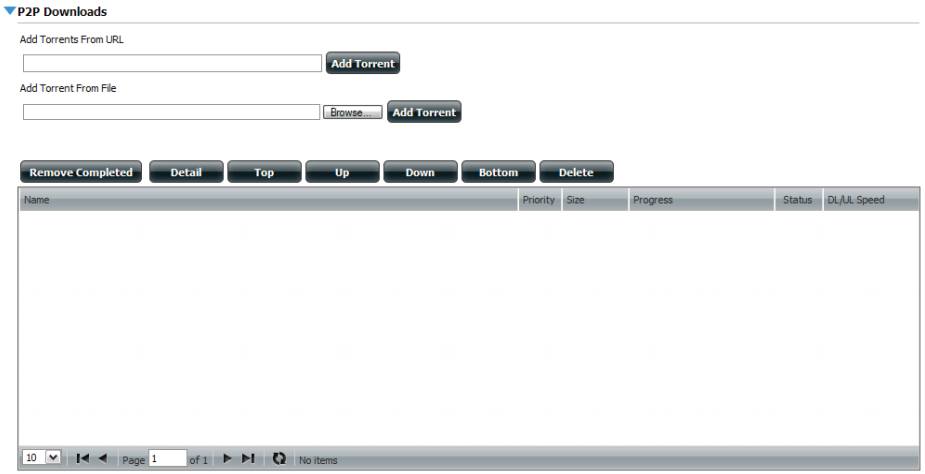
Detail: Click **Detail** to view the files that are being downloaded for each torrent.

Top, Up, Down, Bottom: Click **Top**, **Up**, **Down** and **Bottom** buttons allows the user to move the selected P2P download in the task list. The downloads at the top of the list have a higher priority than the ones listed below them.

Delete: Click **Delete** to remove a selected download. This will remove not only the torrent file, but also the partially downloaded files too.

Start / Stop: The start and stop button allows the user to start and stop selected P2P downloads in the task list.

Torrent Scheduling: Click the **Torrent Scheduling** button to configure a scheduling rule for the select P2P downloading task. The Torrent Scheduling button only appears once Auto Download is disabled.



Navigation: At the bottom of the P2P Task window there are a couple of navigation controls. When multiple tasks exist, the user can select how many tasks will be displayed by using the drop-down menu. The user can also navigate to next pages when more than one page exist.

Refresh: Click **Refresh** to refresh the P2P task list to display the most updated statistics.

Note: When you use P2P on your NAS, configure your router to forward port 6881-6890 to the IP address of your ShareCenter™.

Web File Server

Whenever you cannot mount the network shares of your NAS, use the Web File Server to access the files using a browser over the Internet. If the network that your device is connected to is using NAT, you will need to forward HTTP port 80 across your router for access over the Internet.

Up: Click the **Up** button to go up (or back) one directory in the folder structure of the network share selected.

Upload: Select a destination folder in a network share by navigating in the folder view on the left. Click the **Upload** button to open a dialogue window where you can browse to select a file on your computer for uploading to the selected destination folder.

Download: Select a file for download to your computer by navigating in the folder view on the left. Click on the file. Once the text turns red, click on the **Download** button and save or open the file as needed. You may select multiple files at the same time by holding the CTRL key and clicking on the files you want to download.

Refresh: Click the **Refresh** button to update the folder and file view of the Web File Server.

Download: Downloads the selected file to your computer.

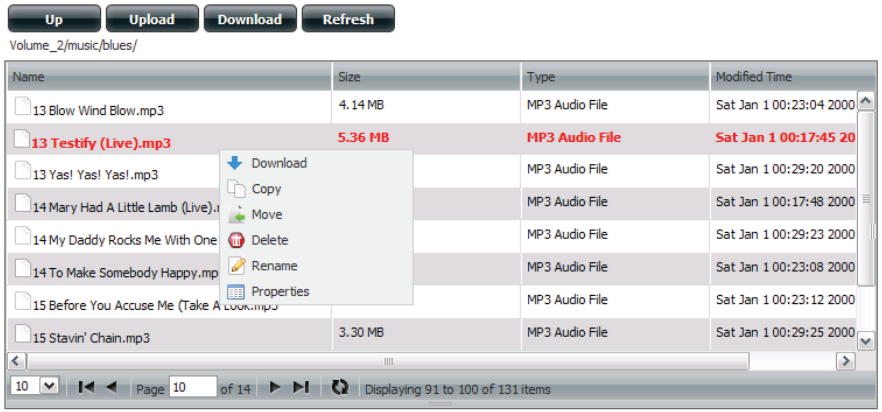
Copy: Click to copy the file to the clipboard. A wizard will launch and allow you to select the folder to paste the copy of the file to. Once you have selected the folder, click **OK** to paste the file in that folder.

Move: Moves the file to a new folder.

Delete: Removes the selected file.

Rename: Allows you to configure a new file name for the selected file.

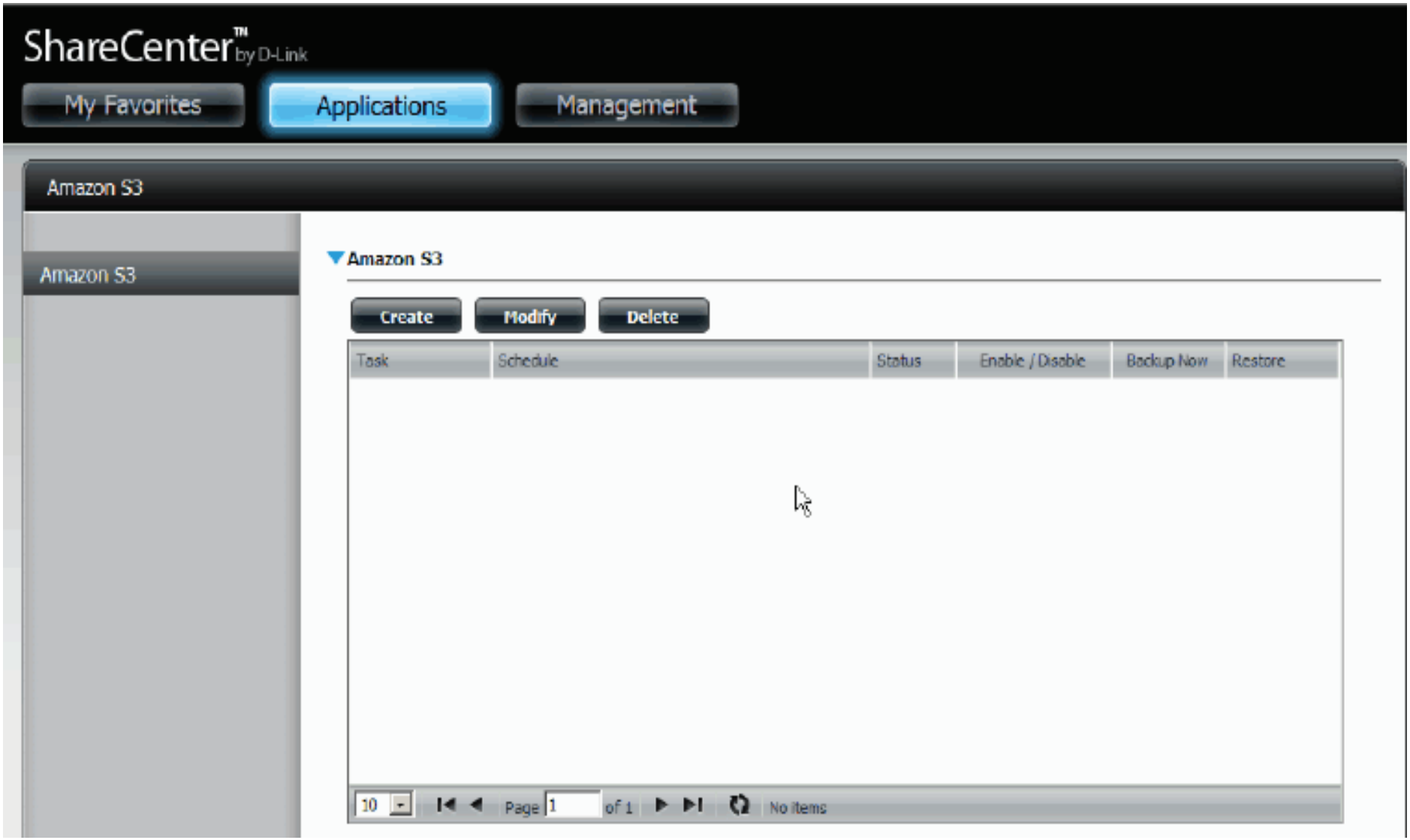
Properties: Displays the file properties such as ownership, access rights and modify time.



Note: When you use Web File Server on your NAS, configure your router to forward port 80 to the IP address of your ShareCenter™.

AMAZON S3

Amazon S3 (Simple Storage Service) is an online storage web service offered by AWS (Amazon Web Services), it provides a simple web services interface that can be used to store and retrieve any amount of data, at any time, from anywhere on the web. With Amazon S3 support, it is possible to upload the data from your the DNS-325 to Amazon S3 or download the data from Amazon S3 to your DNS-325.



Creating an AWS Account

In a suitable web browser open the following link to Amazon Web Services: http://www.aws.amazon.com/s3 Then click on the link at the top named "Create an Amazon Web Services Account" Follow the instructions to create your AWS account.

Click the "Sign Up for Amazon S3" button and follow the instructions to select the amount of desired storage and create your Amazon S3 account.

You will be issued the following keys as credentials to give you access to the account:

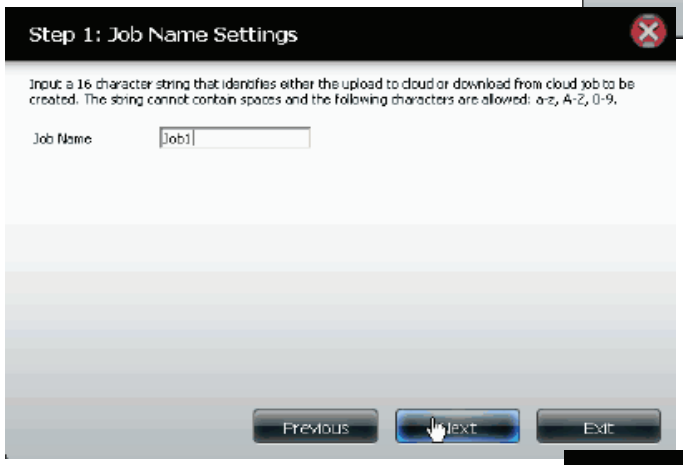
1. Access Key ID

2. Secret Access Key

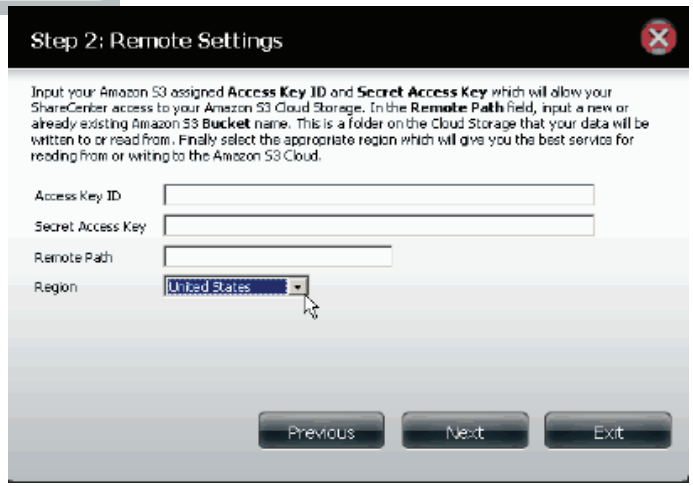
Save these keys in a secure location as your ShareCenter™ will need them to create the backup and recovery jobs to and from the Amazon S3 Cloud Storage.

Create Button
Clicking this button starts a wizard that allows you to create either a ShareCenter™ backup or restore job to and from the Amazon S3 Cloud Storage. You can schedule the job to run immediately, once, scheduled or manually. You will need the following configuration data to create a backup/restore job:

1. A Job Name - A 16 character name identifying the backup/restore job.



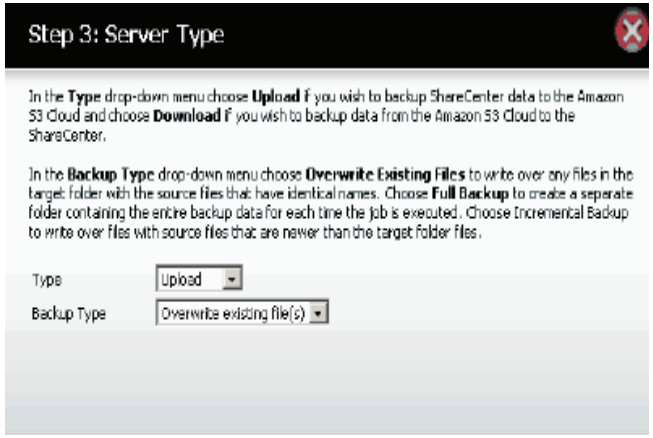
2. Remote Settings - the access key id and secret access key, the remote bucket name (remote path) and the Amazon Cloud Server region to use.



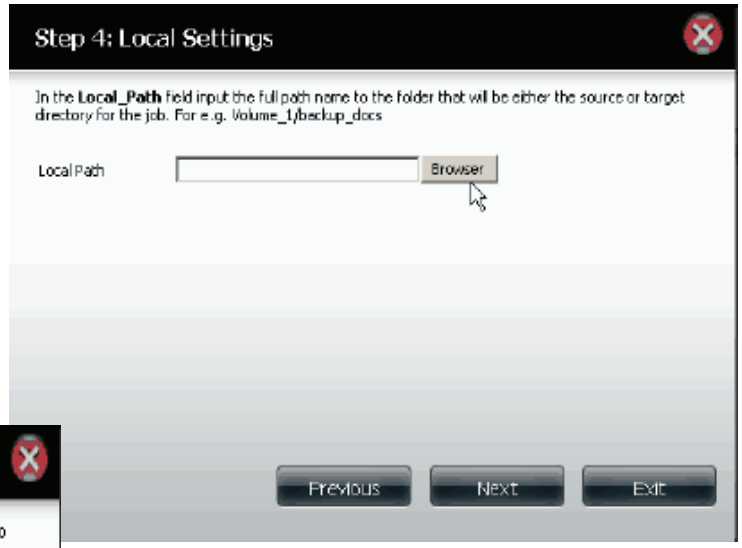
3. Server Type - Specifies whether the job is upload or download and then how to write the files either:

Overwrite existing files, full backu or

incremental backup.



4. Local Settings - This is the path to the ShareCenter™ file location to be either backed up or restored to/from the Amazon S3 Cloud.



5. Schedule Settings - -Select when the backup or restore job will execute from either: manually (now or later from the job list), once (at a predetermined time and day), or scheduled (a predetermined time on a daily basis).

Modify Button

Once a job is created, the Modify button is used to change any of the settings described in the Create Button help text above. Click on a created job in the Amazon S3 table so that its text turns red. Then click the Modify button to edit the job settings in a wizard that appears.

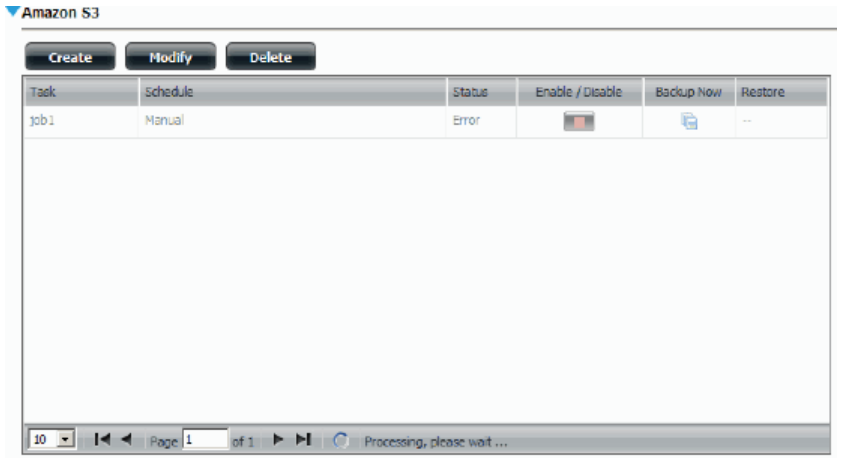
Note: The Job Name cannot be modified.

Delete Button

The Delete button is used to delete any backup or restore job listed in the Amazon S3 table. Click on a created job in the Amazon S3 table so that its text turns red. Then click the Delete button to remove the job from your ShareCenter™ configuration.

Enable/Disable Colume

This field of the jobs created administratively controls whether the job will execute or not. If the button shows a green triangle, clicking it enables the job to function. If the button shows the red square, clicking it disables the job from executing.



Knowledge Base

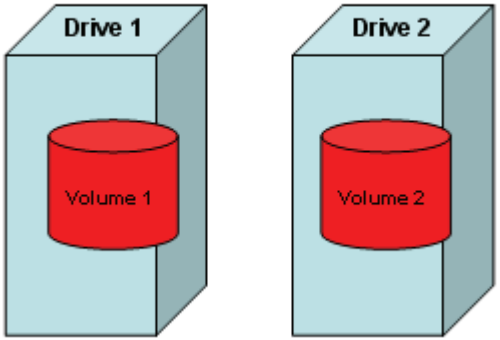
What is RAID?

RAID, short for Redundant Array of Independent Disks, is a combination of two or more disks with the aim of providing fault tolerance and improving performance. There are several different levels of RAID, with each one providing a different method of sharing or distributing data among the drives. The device supports Standalone, JBOD, RAID 0, and RAID 1.

Standard

Standard provides a single volume for each drive.

Although performance is improved, the lack of any RAID or mirroring means that if one drive fails, all data on the volume will be lost.



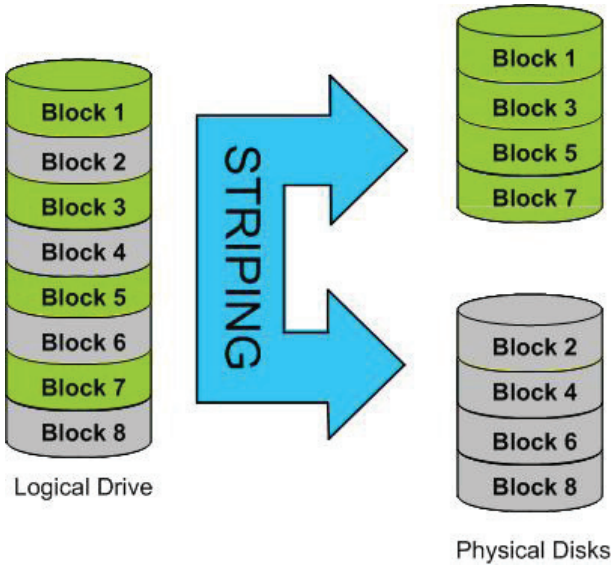
JBOD

JBOD allows you to create a large virtual disk drive by concatenating two or more smaller drives together.

It offers no redundancy and limited data protection..

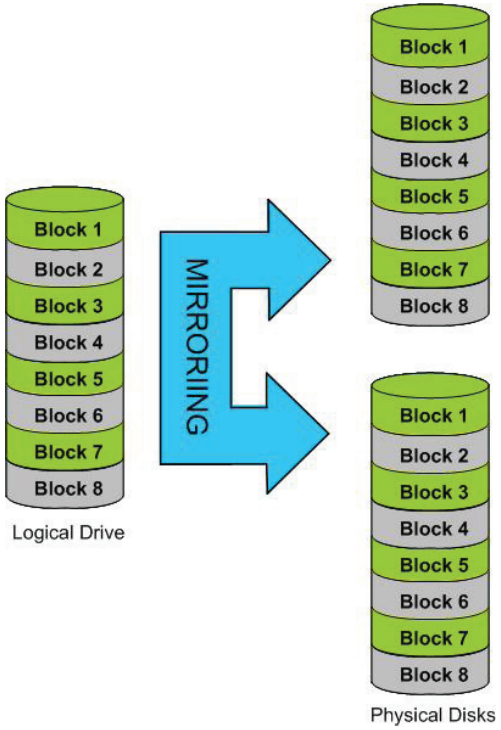
RAID 0 RAID 0 provides data striping, which spreads out blocks of data over all drives, but does not provide data redundancy.

Although performance is improved, the lack of fault tolerance means that if one drive fails, all data in the array will be lost.



RAID 1 RAID 1 provides mirroring over multiple disks, with the same read/write speed of a single disk. A RAID 1 array can only be as large as it's smallest member disk.

Because the data is stored on multiple disks, RAID 1 provides fault tolerance and protection, in addition to performance advantages.



USB Print Server

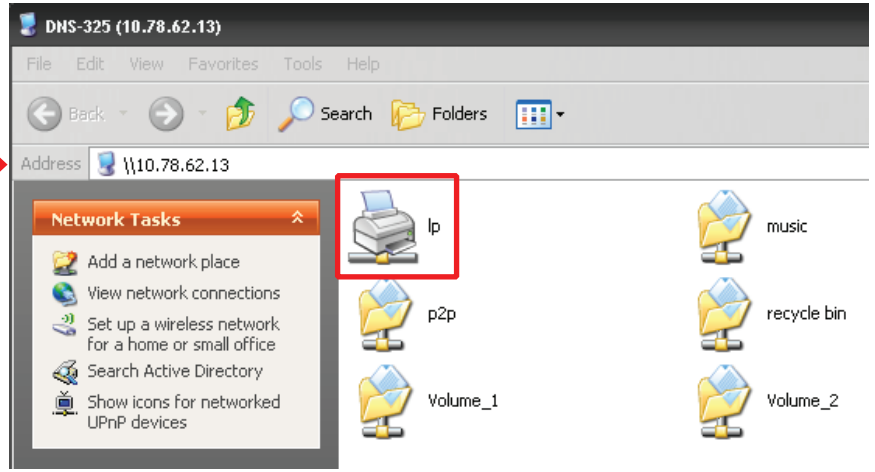
The device features a built-in USB print server, giving users the ability to share a printer on their local network. Connect a USB printer to the USB port on the back of the device. It is important to ensure that any of the printer manufacturer's drivers are already installed or available on any computer you want to print from.

Note: The print function is supported in Microsoft Windows® Operating Systems only. The device does not support the copy and scan functions of Multi-Function Printers either.

To add a printer, connect your printer via USB cable to the USB port of your device:

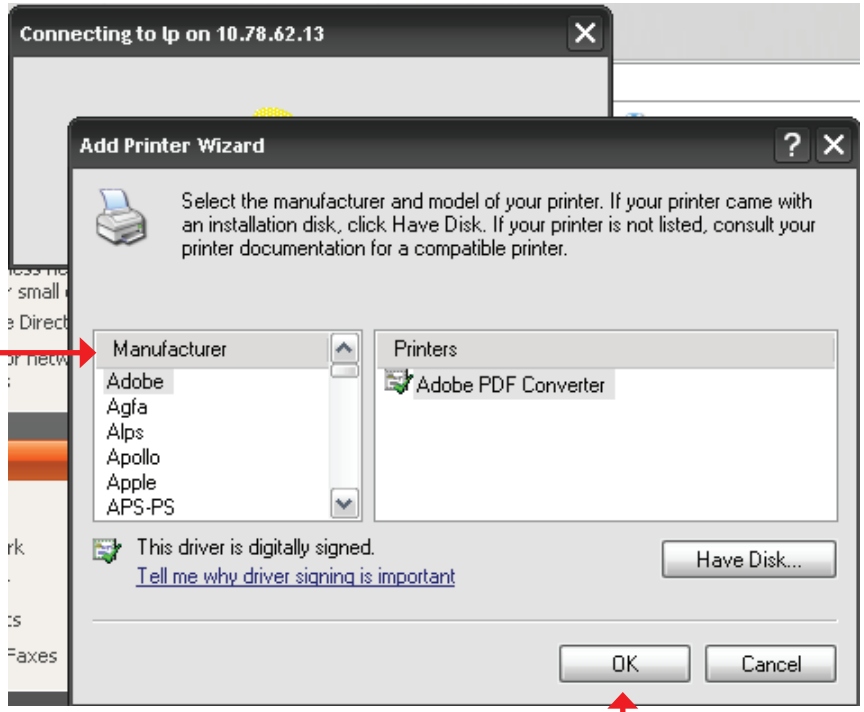
The printer should appear in your in the System Info menu of the Status icon.

Connect to your device with Samba and then double-click the lp icon.

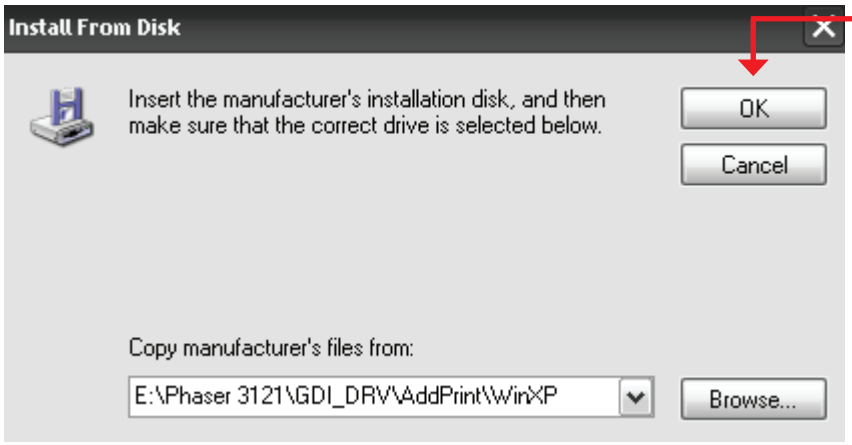


The Windows® Add Printer Wizard will launch:

Select the printer driver from the installed Manufacturer list or use the **Have Disk** button to browse for the printer driver file.

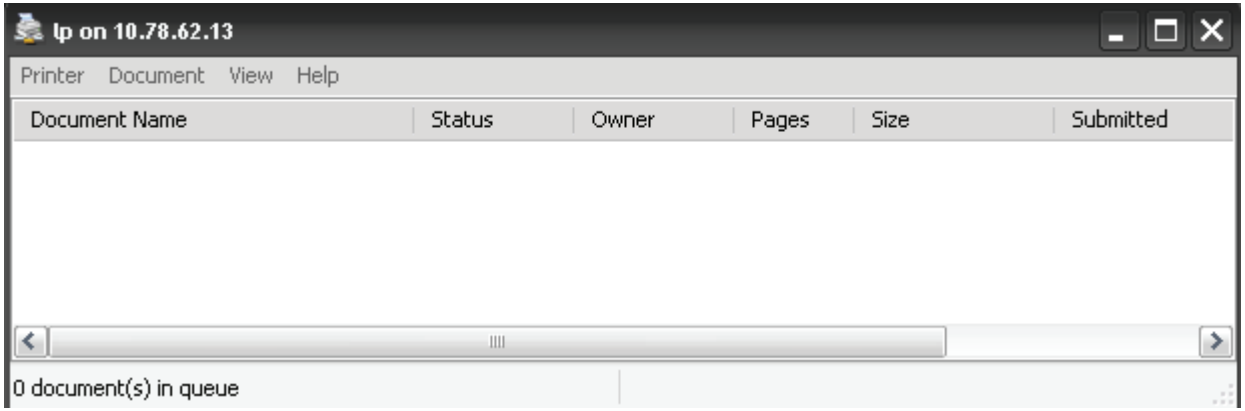


Click **OK** to continue.



Once you have selected the proper driver as shown in the browse list then click **OK** to install the printer.

The printer is now installed and the printer queue will appear.



USB Copy Function

The DNS-325 supports on option where the user can enter a USB storage medium in to the USB port and with a click of a button automatically copy the contents of the USB storage medium into a folder on the device

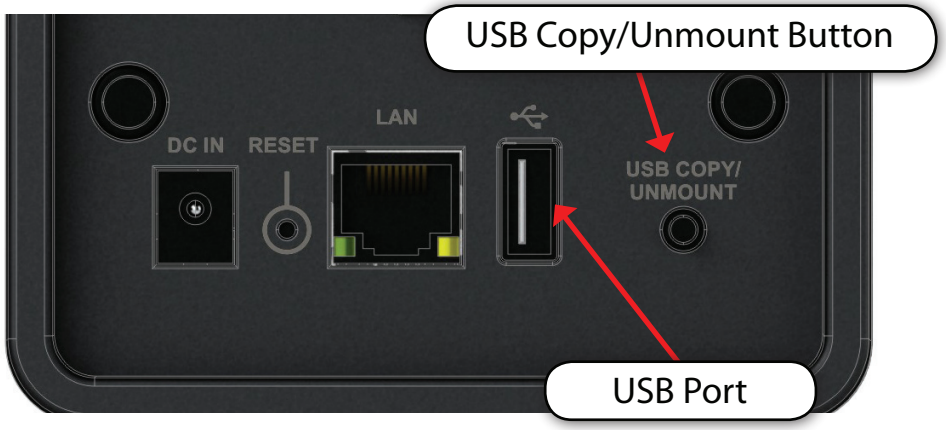
Step 1: Insert a USB storage device into the USB port, located on the front panel of the device. The USB Light on the front panel will start to flicker. Once the light is on solid, then the USB storage is ready for use.

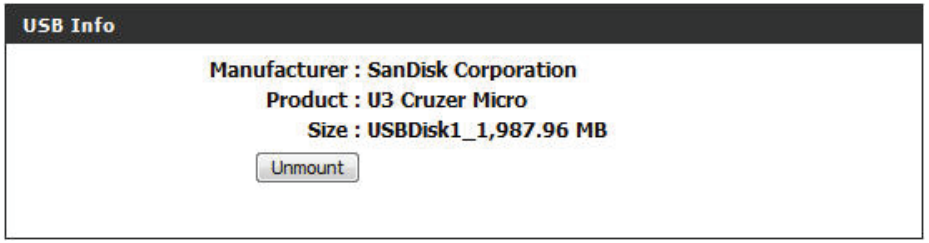
Step 2: To copy the contents of the USB storage to a folder on the device, press and hold the **USB Copy/Unmount Button** button for 1-3 seconds. The device will create a new folder in the Volume 1 folder and will copy all the files from the USB storage to this folder.

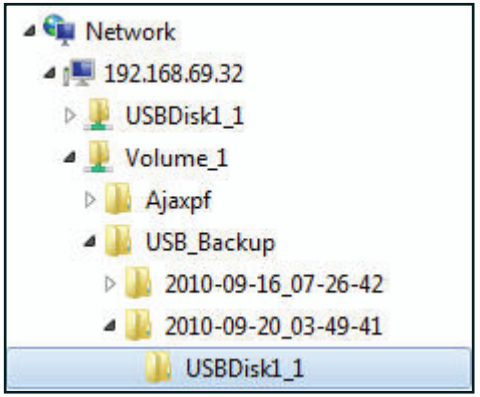
Step 3: To **unmount** the USB storage device after the copy is complete, press and hold the **USB Copy/Unmount Button** button for 5 seconds. When the USB light has switched off, then the USB storage un-mounted successfully and is ready to be removed.

To check whether the USB storage device is connected successfully, the user can navigate to the **System Info** menu of the **System Status** icon in the Management Tab of the Web GUI of the device and view the **USB Information** section.

Note: It is a very good practice to un-mount an USB storage device before removing it from a USB port.



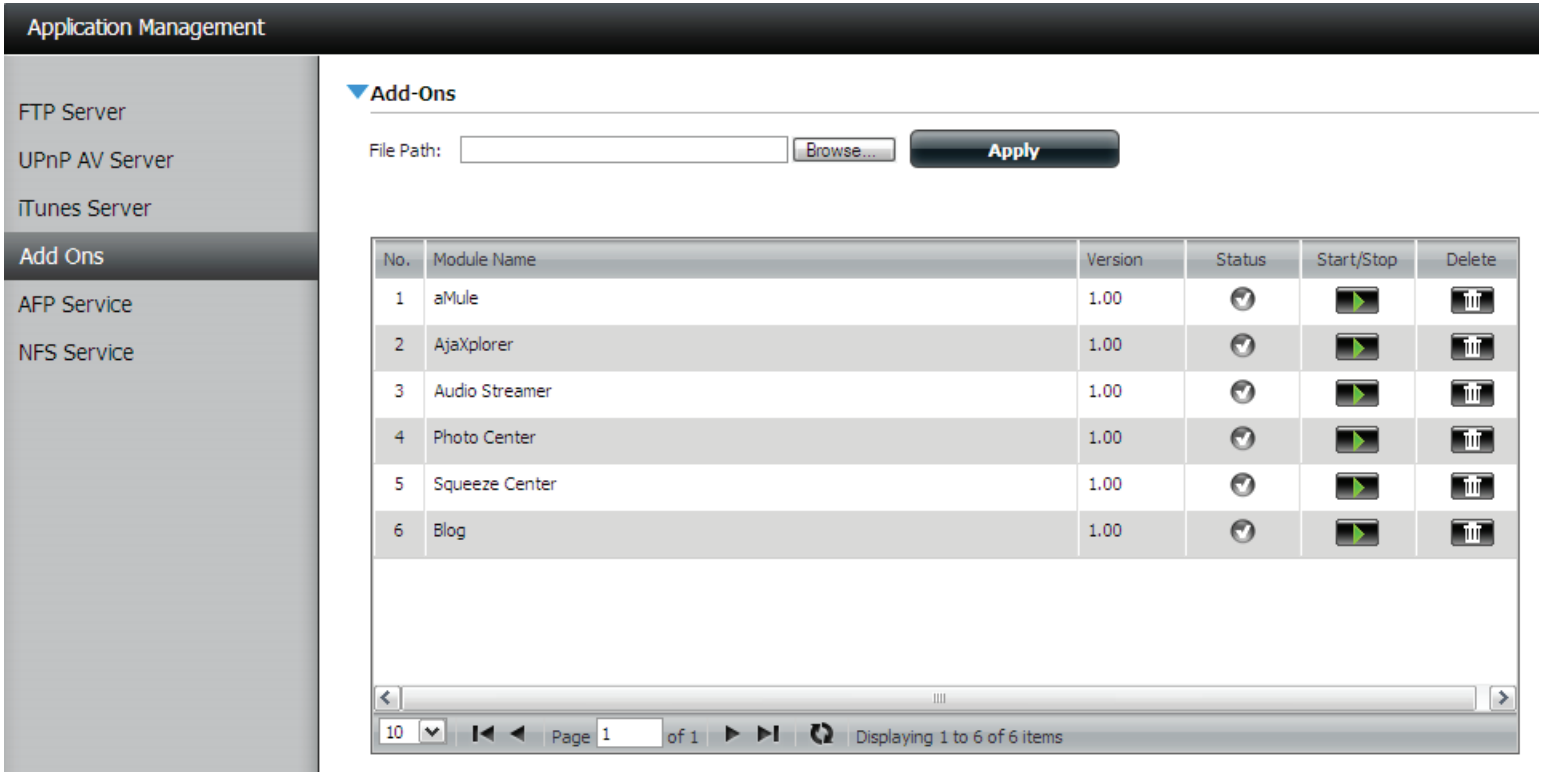




Add-Ons

Add-ons are Software Applications that extend the capability of your ShareCenter™. Several add-on packages come with your ShareCenter™ and some can be installed with the CD-ROM ShareCenter™ Setup Wizard. To install add-ons within the Web UI go to the Management Tab - Icon: Application Management. You will find an Add-ons menu item that you can click. The Add-ons menu provides the following:

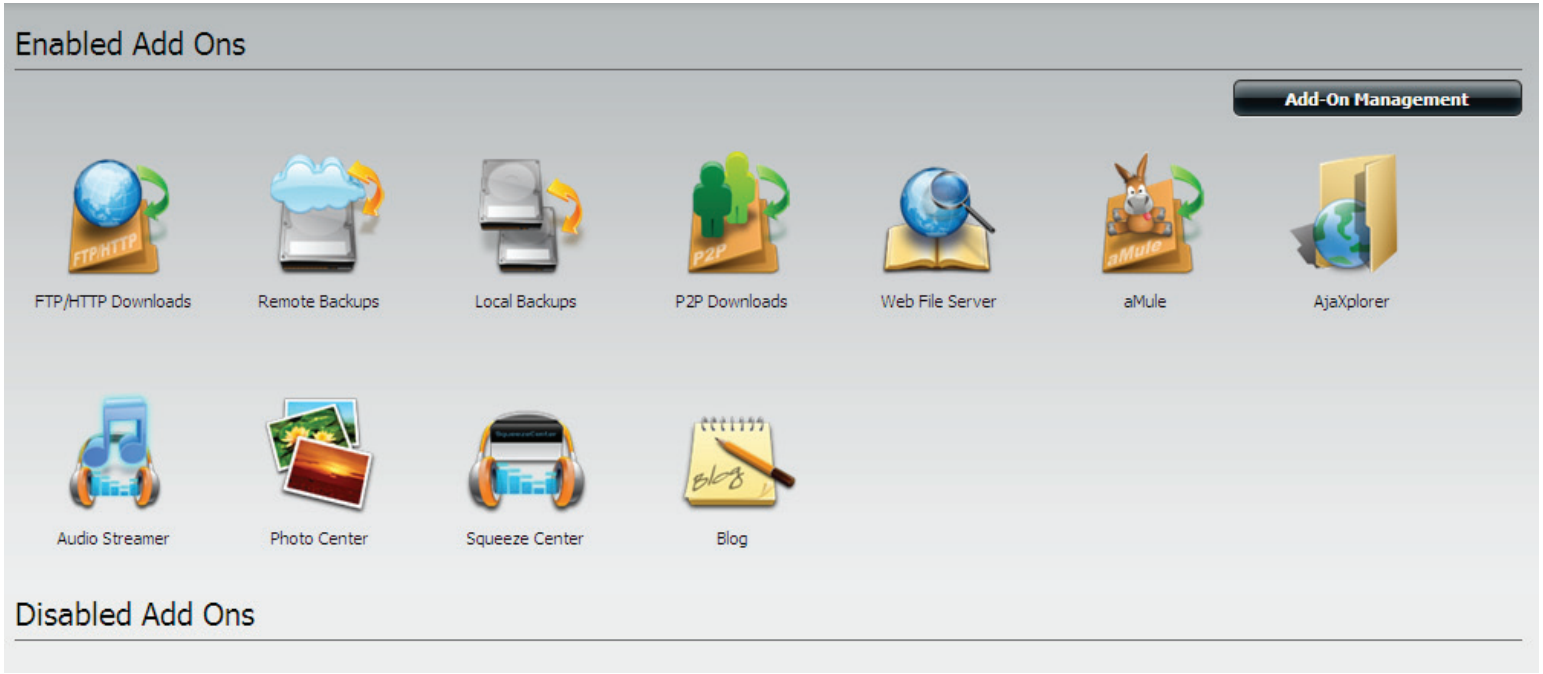
- Installs (Apply button) add-on software onto your ShareCenter™.
- Displays a list of installed add-ons and shows their version and status.
- Enables and Disables (Start/Stop button) add-ons so that you do not over utilize your ShareCenter™ CPU resources.
- Removes (Delete button) the add-on software from your ShareCenter™.



Application Menu with Add-Ons

When the add-ons are installed you will see their icon under the Application Tab. If the add-ons are enabled you will see them under the Enabled Add Ons area otherwise if they are disabled they will be under the Disabled Add Ons area.

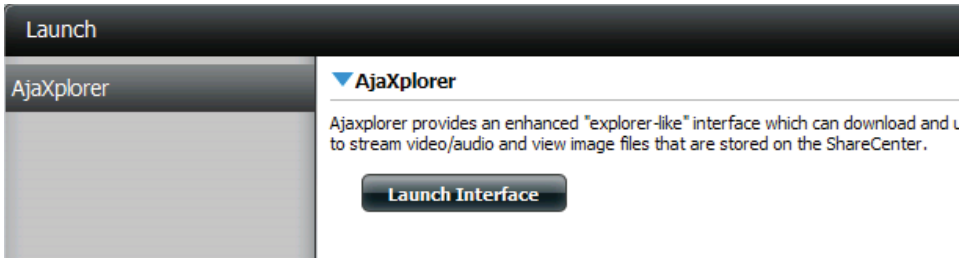
Note: You can add add-ons to the My Favorites as shown in the User Manual by right-clicking the add-on icon and selecting "Add to My Favorites".



AjaXplorer

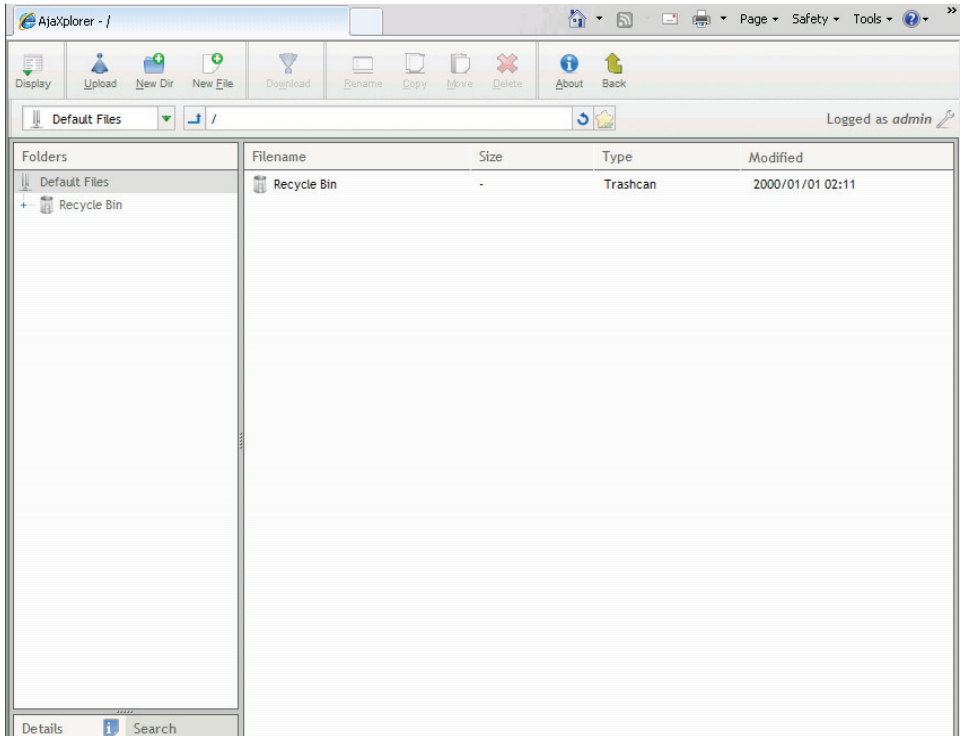
This section allows you to configure the AjaXplorer function. AjaXplorer is a file explorer that allows you to remotely manage the files stored under the AjaXplorer folder by using a web browser.

Launch Interface: This launches your browser with the Ajaxplorer file system interface to the ShareCenter™.



Documentation: Information regarding using the Ajaxplorer application can be found here:

http://www.ajaxplorer.info/



Administrator: If you launched the interface as the admin user in your ShareCenter™ then you will have administrator rights within the AjaXplorer interface. As the admin user you will have read write access to all areas of the files systems as well.

User: If you launched the interface as a configured user in your ShareCenter™ then you will have the users rights within the AjaXplorer interface. That users read/write access privileges to the shares of the ShareCenter™ will be applicable within the AjaXplorer interface as well.

Note: When you use AjaXplorer on your NAS, configure your router to forward port 80 to the IP address of your ShareCenter™.

Audio Streamer

The Audio Streamer add-on can turn your ShareCenter™ into an internet 'Audio Streamer' with continuously streaming music or any other audio files. Any user, with an internet connection and a web browser, can then connect to your ShareCenter's™ Audio Streamer and listen to the audio files being played and streamed from your ShareCenter™.
Once you have stored the audio files that you wish to play on the ShareCenter™, use the Add button in the Playlists menu item to create the "IceStation" audio stream channel. The new audio stream channel (playlist) which will then stream the audio collection continuously from your ShareCenter™.

Add: Click this button to add a new playlist. An add wizard will appear to guide you through adding the playlist. After entering the description click and expand the volume folders and check the folder that contains the audio files to be streamed.

Modify: After selecting a Playlist in the Audio Streamer Playlist click the Modify button to edit the Playlist description.

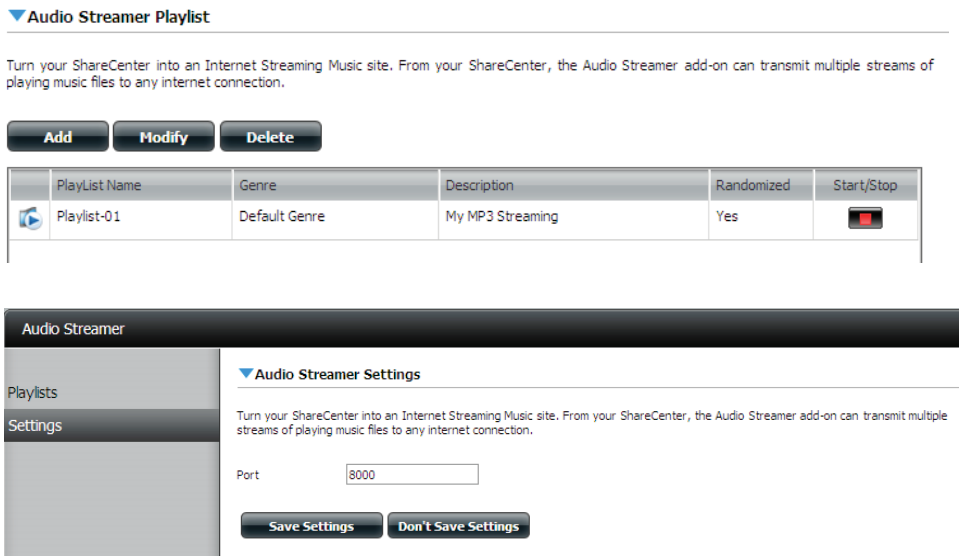
Delete: To remove a Playlist from the Audio Streamer Playlist select the Playlist and click on the delete button.

Port: This is the port the Audio Streamer audio stream will use. The default is 8000. The Audio Streamer web URL becomes the IPv4 address of the ShareCenter™ combined with this port. For example:

http://192.168.1.1/8000

Would be the URL for the Audio Streamer streaming broadcast if the ShareCenter's™ Network address is 192.168.1.1.

Password: Set this password as desired. It is the administrative access password on the Audio Streamer webpage UI.



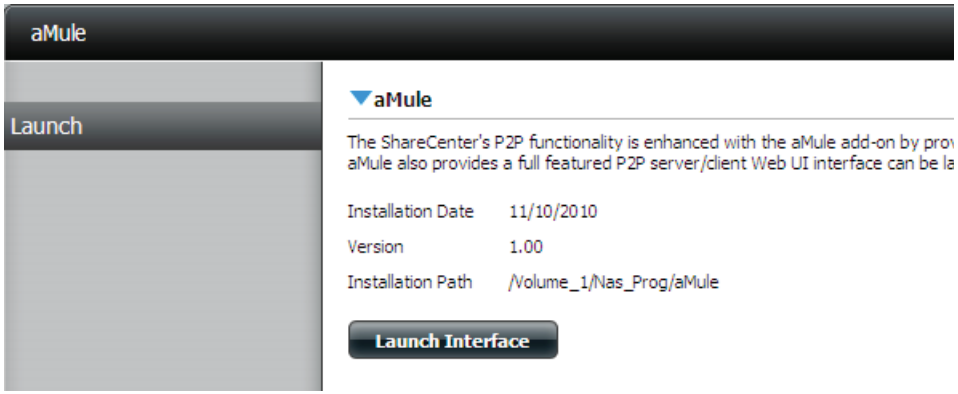
aMule

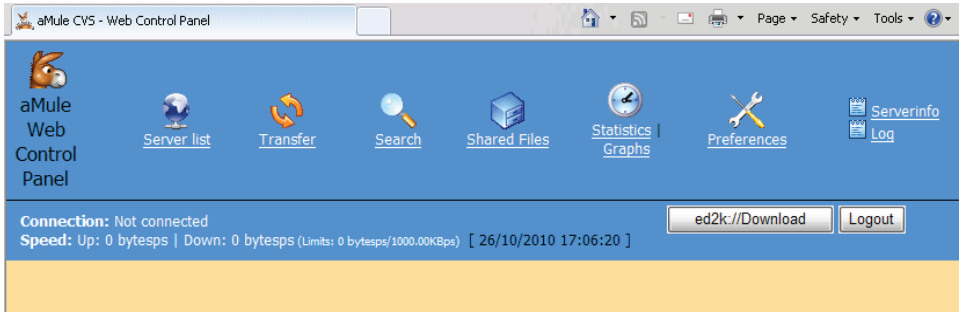
The ShareCenter's™ P2P functionality is enhanced with the aMule add-on by providing search capability for finding desired P2P files. aMule also provides a full featured P2P server/client Web UI interface can be launched to work with your ShareCenter™ P2P functionality.

Launch Interface: Click this button to cause the aMule Web UI interface to execute and appear.

The aMule application details and usage guide can be found on the support web page:

http://www.amule.org/





Blog

Create your own ShareCenter™-based customized Blog. Using the ShareCenter's™ internet connection the Blog add-on (Wordpress) can be accessed and commented on from any internet connection.

Launch Interface: Click on the Launch Interface button here to cause the Wordpress Web UI to appear where you can then write your own personal blog from your ShareCenter™.

Blog Web UI: Once you have launched the Blog interface you can begin using the Web UI that appears.

Admin Password: The Admin password for the Blog Web UI is: admin

Help: For more information regarding using Wordpress and creating a blog with it refer to:

http://en.wikipedia.org/wiki/WordPress

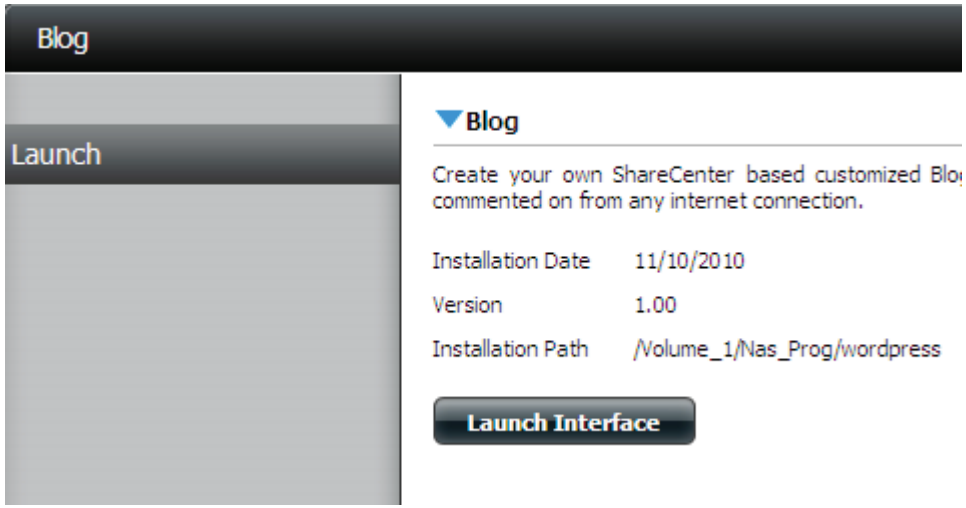


Photo Center

The Photo Center add-on sets up your ShareCenter™ to share your photos over the web using Gallery 2 software. It provides a convenient interface from which you can create albums of photos with descriptions. The albums are then accessible over the web using HTTP so that your family and friends can then view your ShareCenter™ stored photos from any internet connection.

Launch Interface: Click this button to launch the Photo Center (Gallery 2) Web UI where you can then manage photo galleries through a web interface.

Web URL: The Launch button will automatically launch the Web UI in fhe format of the ShareCenter™ IPv4 address slash Gallery 2 for example:

http://192.168.1.1/gallery2/

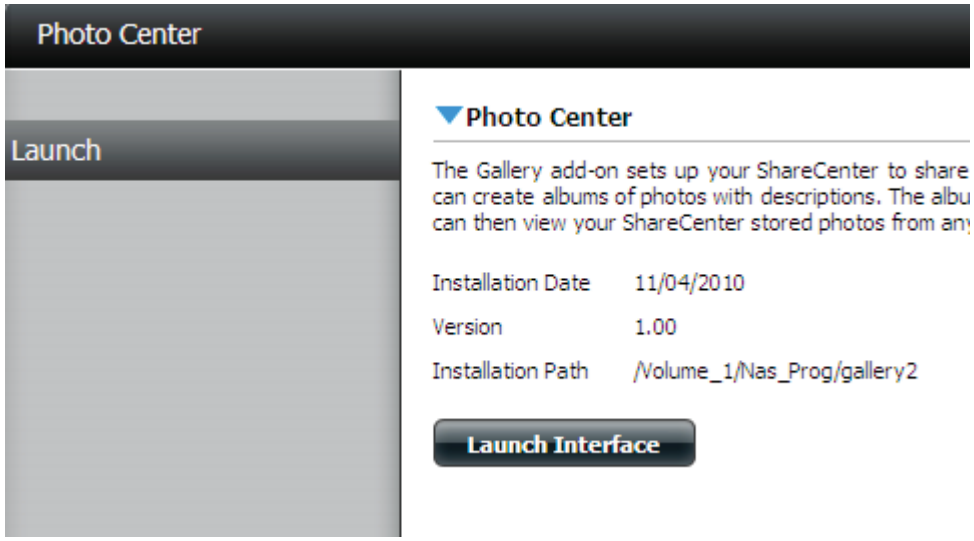
Where 192.168.1.1 is the ShareCenter's™ network IP address setting.

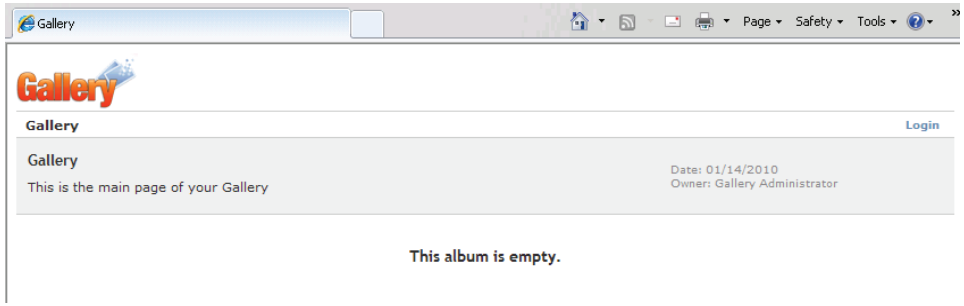
Administrator login In the Photo Center Web UI use the user name: admin password: "the ShareCenter's™ admin password"

Adding Gallery Users: You can add users through the account management settings of your ShareCenter™. The same users will b e reflected in the Gallery 2 administrative settings and can then be given access to the photos and albums.

If you do not see the user in the user list of the Gallery admin settings then disable the Photo Center add-on and re-enable it.

Gallery 2 Help: You can find more help regarding the Gallery 2 application at:
http://gallery.menalto.com/about





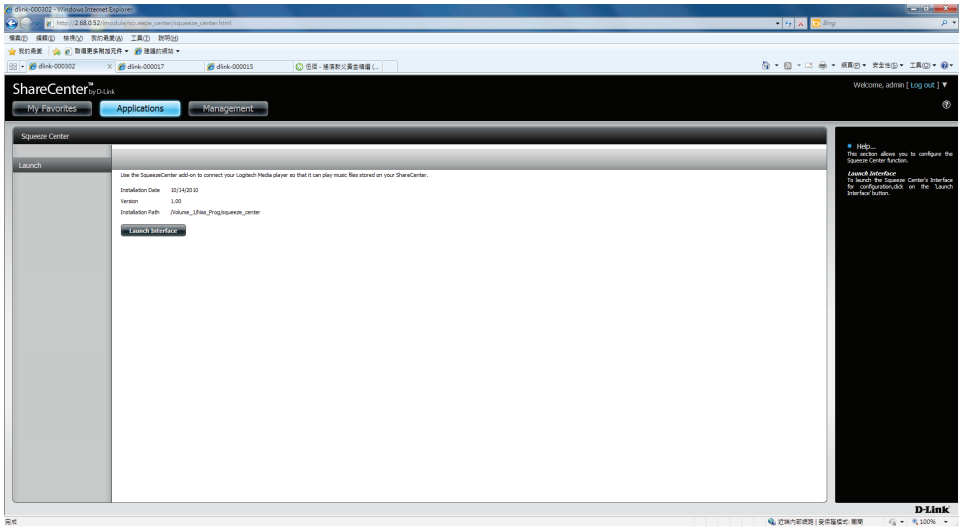
Squeeze Center

Squeeze Center connects your Logitech Media player to your ShareCenter™ music files for playback.

Launch Interface: Click this button to launch the Web UI interface to the Logitech™ SqueezeCenter.

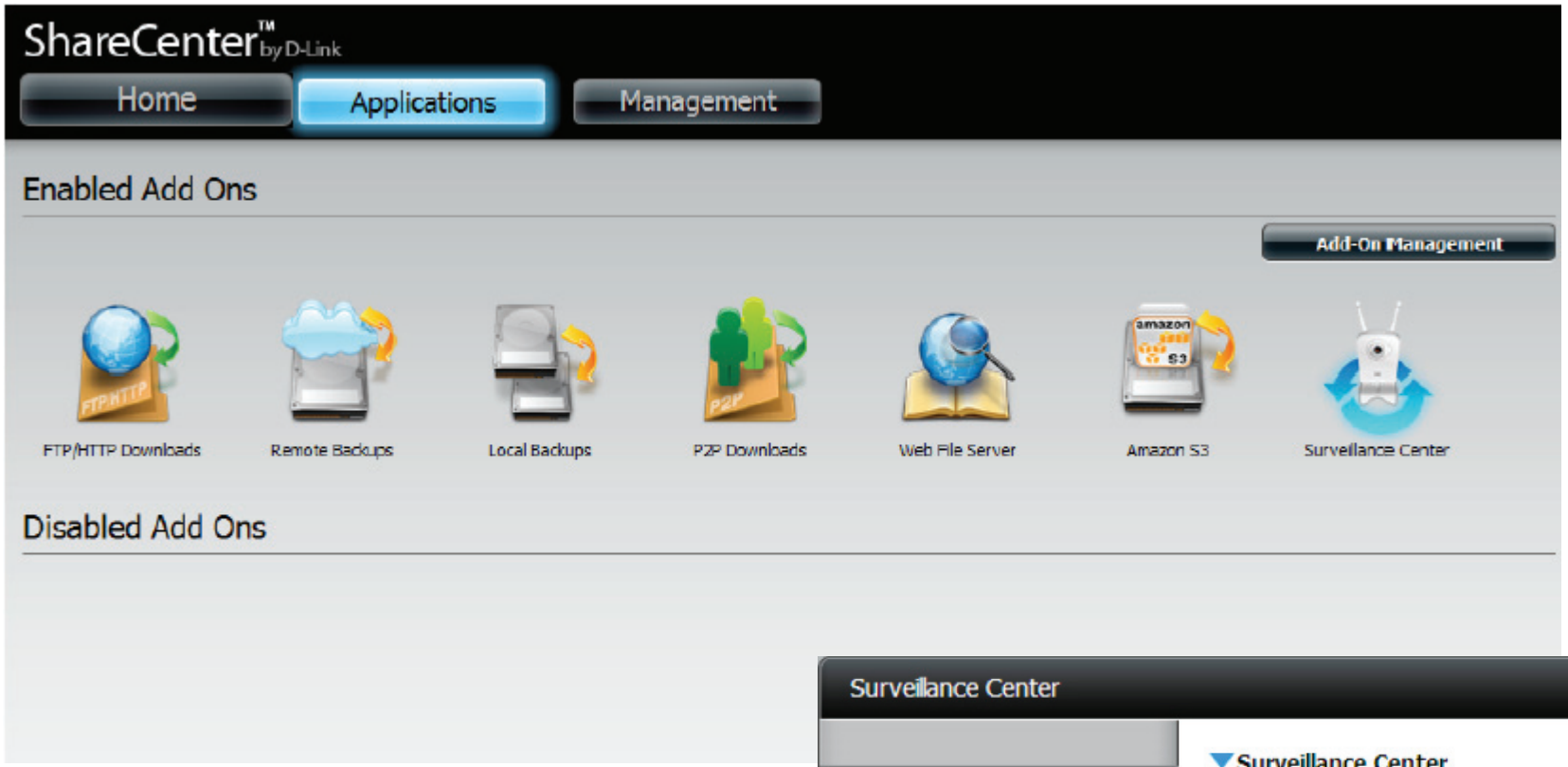
Help: For more information regarding using Squeeze Center to play music on your Logitech media player from your ShareCenter™ refer to the following link:

http://en.wikipedia.org/wiki/Squeezebox_Server



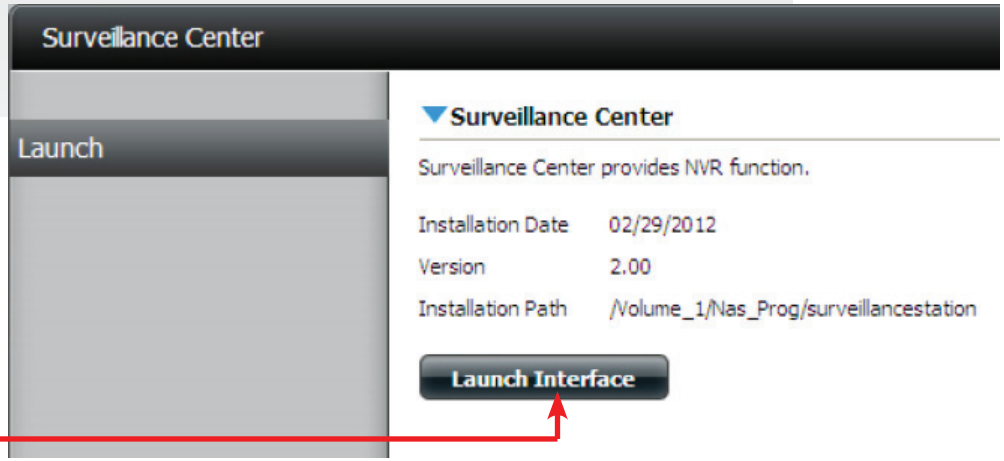
Surveilllance Center

Surveillance Center connects all your surveillance cameras (eg. DCS-930/930L) to your ShareCenter™ to record live video feed, store motion activated recorded video and to playback any surveillance material recorded and stored. The Application only runs in Internet Explorer so make sure you have it installed.



Click the **Surveillance Center** icon. This leads to the Surveillance Center details panel. Here you can view the Installation Date, the software version number, and the Installation path.

Click **Launch Interface** to access the Surveillance Center interface.

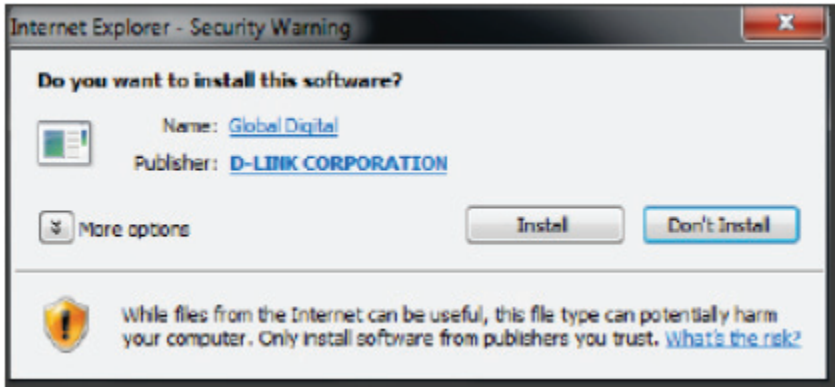


You are prompted to install an **Addon** for **Internet Explorer** at the botom of your screen.

Click **Install** to install the necessary plugin for Internet Explorer.

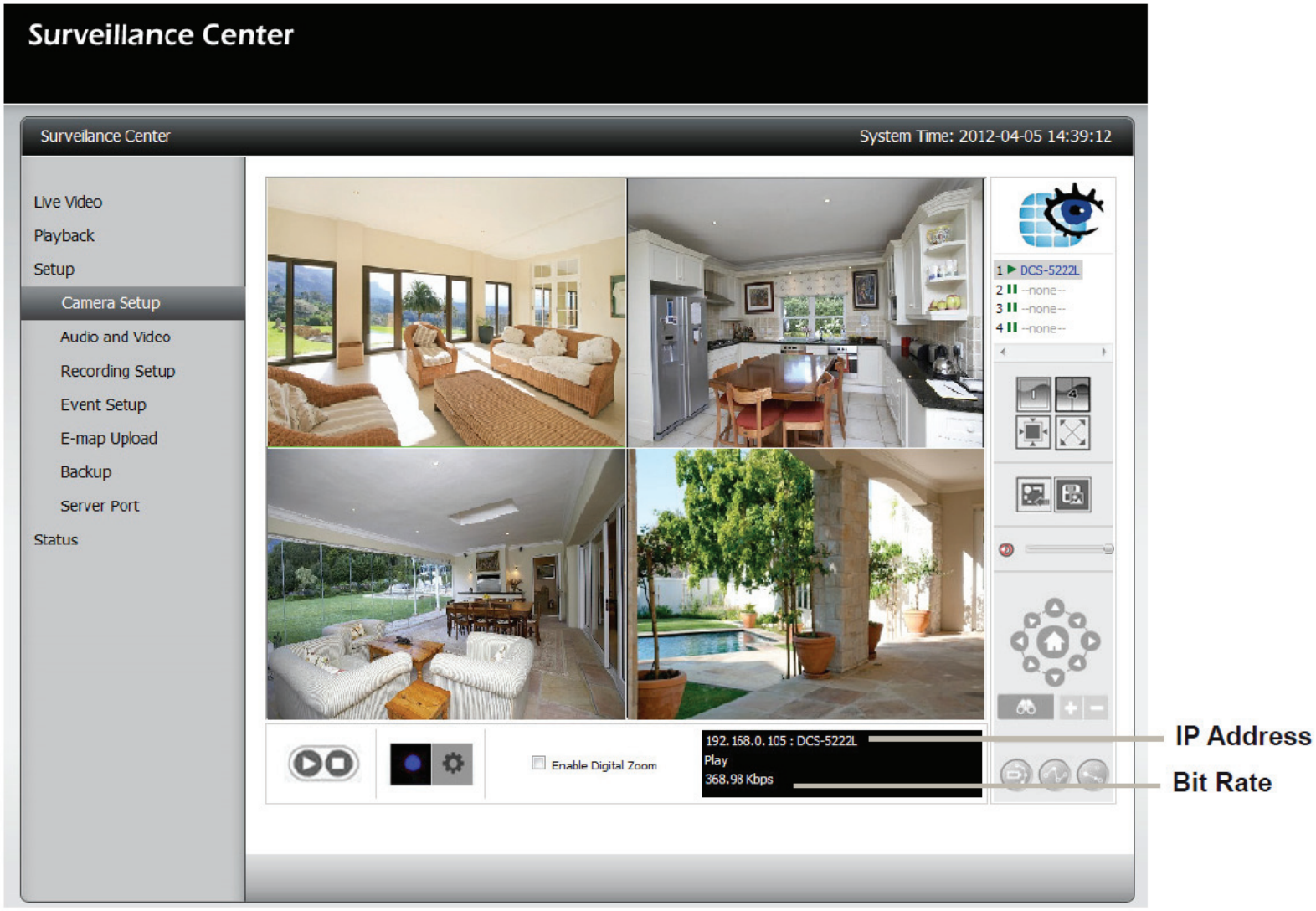
Internet Explorer is required to run this application.

Click **Install** to install the add-on used for the browser.



Connecting your Camera(s) to the ShareCenter™

When you connect one of the above mentioned cameras to the network, the Surveillance Center software detects the camera(s) automatically. The software is able to recognize the IP address, model number and bit rate speed.



Please refer to the **Surveillance Center How-To Guide** for more details.