

DNS-1100-04 Version 1.1

ShareCenter® Pro 1100 4-Bay Network Attached Storage

User Manual

Business Class Networking

Table of Contents

Introduction	1
Product Overview	2
Package Contents	2
System Requirements	2
Features	3
Hardware Overview	5
Front Panel	5
Hardware Overview	6
Front Panel	6
Rear Panel (Connections)	7
Using the OLED	8
Chapter 1 - Hardware	9
Hardware Setup - Installing Hard Drives	
Hardware Setup - Removing Brackets	
Hardware Setup - Attaching the Hard Drive to the H	
Drive Tray	
Hardware Setup - Installing Hard Drives	13
Network Setup - Plugging in the Network Cables	14
Network Setup - Plugging in the Cables	15
Power Cable Setup - Plugging in the Cables	
Powering on the Device	17
Powering on the Device - Software	18
Chapter 2 - Software Installation	19
Software Setup - Default IP Address Location	20
Software Setup - EZ Search Utility	21

Getting Started22
Getting Started - Browser Setup24
Using the Web UI26
Using the Web UI Part II27
Understanding the Web UI28
Understanding the WEB UI Part II
Chapter 3 - Setup Wizard
Using the Setup Wizard for the First Time
Using the Setup Wizard for the First Time
Using the Setup Wizard for the First Time
Using the Setup Wizard for the First Time
Using the Setup Wizard for Static IP Addresses
Using the Setup Wizard for Static IP Addresses
Using the Setup Wizard for Host Names
Using the Setup Wizard for File Sharing
Using the Setup Wizard for RAID Levels
Encrypting your Drive40
Setup Wizard Summary41
Setup Wizard Summary Part II42
Creating a Clean Volume43
Formatting a Volume44
Accessing the Drive for the First Time45
Chapter 4 - Hardware - Installing more Drives
Hardware - Installing more Drives
Hardware - Installing more Drives
Hardware - Installing more Drives

i

Chapter 5 - Software - Creating Volumes & Formatting.	. 50
Software - Installing more Drives	51
Software - Configuring more than one drive	52
Software - Configuring more than one drive	53
Software - Creating RAID	54
Software - Encryption Settings	55
Software - Creating the Volume	56
Software - Creating the RAID & Formatting	57
Software - Volume & RAID Created	58
Chapter 6 - Software - Creating Users	. 59
Software - Creating Users	60
Software - Creating Users	61
Software - User Information	62
Software - Creating Groups	63
Software - Creating Share Folder Lists	64
Software - User Summary	65
Software - User Information	66
Software - Creating more than One User	67
Software - Creating more than One User	68
Software - Creating more than One User	69
Software - Creating more than One User	70
Software - User Summary	71
Software - User Information	72
Software - Deleting a User	73
Software - Deleting a User	74
Software - Importing Users	
Software - Importing Users	76
Software - Importing Users - Creating a User List	77

Software - Importing Users - Checking the User List78
Software - Creating a Batch User List
Software - Creating a Batch User List
Software - Creating a Batch User List
Software - Creating a Batch User List
Software - Creating a Batch User List
Software - Creating a Batch User List
Chapter 7 - Software - Creating a Shared Folder
Software - Creating a Shared Folder
Create Share Folder87
Create Share Folder - Volumes & Quotas
Create Share Folder - Volumes & Quotas
Create Share Folder - Volumes & Quotas
Create Share Folder - Volumes & Quotas
Create Share Folder - Volumes & Quotas
Create Share Folder - Volumes & Quotas
Create Share Folder - Select Service
Create Share Folder - Access Rights
Create Share Folder - Access Rights
Shared Folders
Create Share Folder - Summary
Chapter 8 - Software - Creating a Group
Software - Creating a Group
Software - Creating a Group
Software - Creating a Group
Software - Adding Users to a Group
Software - Adding Users to a Group
My Favorites105

Chapter 9 - Software - Admin Password
Software - Admin Password107
Software - Admin Password
Software - Admin Password
Chapter 10 - Software - System & Hard Drive Status 110
Software - Status Management111
Software - System Status112
Software - System Status113
System Status114
Software - Hard Drive Status
Software - Resource Monitor
Chapter 11 - Software - Disk Management
Software - Disk Management125
Software - Disk Management126
Software - Disk Management - Volume
Software - Disk Management - Creat a Volume
Software - Disk Management - Create a Volume 129
Software - Disk Management - Create a Volume 130
Software - Disk Management - Extend/Spare a Volume131
Software - Disk Management - Migrate a Volume 132
Software - Disk Management - Expand a Volume 133

Disk Management - Change the Encryption Settings 134
Disk Management - Change the Encryption Settings 135
Disk Management - Change the Encryption Settings 136
iSCSI Target
iSCSI Target - iSCSI Manager139
iSCSI Target - iSCSI Targets
iSCSI Target - Editing iSCSI Targets
iSCSI Target - Deleting iSCSI Targets
iSCSI Target - Details of an iSCSI Targets
iSCSI Target - iSCSI LUN154
Edit an iSCSI LUN158
View details of an iSCSI LUN159
iSCSI Target - LUN ACL160
Editing the LUN ACL163
Virtual Volume166
Virtual Volume
Disk Diagnostic
Disk Diagnostic
Disk Diagnostic168
Disk Diagnostic
Disk Diagnostic168Disk Management - Scheduling a Disk Diagnostics172Disk Management - Scan a Volume173Disk Management - Format a Volume174Account Management175Admin Password176Users177Groups191Shared Folders194
Disk Diagnostic

ISO Mounts - Editing an ISO Mount	
ISO Mounts - Deleting an ISO Mount	
Chapter 12 - Software - System Management	
Software - System Management - Network Settings . 246	
Software - System Management - Network Settings . 247	
System Management - Network Settings - LAN 1 248	
System Management - Network Settings - LAN 2 249	
System Management - Network Settings - Global Settings	Chap
250	Chup
System Management - Network Settings - Route 251	
System Management - Network Settings - Route 252	
System Management - Time and Date Settings	
System Management - Time and Date Settings	
System Management - System Settings	
System Management - System Settings	
System Management - Power Management	
System Management - Power Management	
System Management - Schedule Settings	
System Management - Power Management - UPS 260	
System Management - Email Alerts	
System Management - Email Alerts	
System Management - Firmware Upgrade	
System Management - Firmware Upgrade	
System Management - Logs	Chap
System Management - Logs	
System Management - Logs	
System Management - Syslog Server	
System Management - Syslog Server Rule	

	System Management - Edit a Syslog Server Rule. 285	
	System Management - Delete a Syslog Server	
	Rule	
	System Management - Enable/Disable a Syslog	
	Server Rule	
	System Management - Clearing a Syslog Server	
	Log	
oti	er 13 - Software - Network Services	
50		
	Software - Network Services	
	Software - Network Services - File Sharing	
	Software - Network Services - File Sharing - FTP 298	
	Software - Network Services - File Sharing - CIFS 299	
	Software - Network Services - File Sharing - DFS. 300	
	Software - Network Services - File Sharing - DFS.301	
	Software - Network Services - Dynamic DNS 302	
	Software - Network Services - Dynamic DNS 303	
	Software - Network Services - SNMP	
	Software - Network Services - SNMP	
	Software - Network Services - Network Discovery	
	Services	
	Software - Network Services - Network Discovery	
	Services	

Software - Applications - Download Manager 313
Software - Applications - Download Manager 314
Chapter 15 - Software - Backup
Software - Backup
Software - Backup - Volume Snapshot
Software - Backup - Local Backup
Software - Backup - Remote Backup Server
Software - Backup - Remote Backup Job
Software - Backup - Remote Backup Job
Software - Backup - Remote Backup Job
Software - Backup - Remote Backup Job
Software - Backup - Remote Backup Job
Software - Backup - Remote Backup Job
Software - Backup - External Backup
Software - Backup - External Backup
Software - Backup - External Backup
Amazon S3
Amazon S3
Chapter 18 - Software - Extension Pack
Extension Pack
Extension Pack

Chapter 19 - Appendix	
Knowledge Base	
What is RAID?	
Mapping a Drive	
USB Print Server	
iSCSI Drive Mapping	
Hot-swap	
Storing non-English Character Files	
Warranty	
Registration	

D-Link ShareCenter Pro 1100-04 User Manual

Introduction

The D-Link ShareCenter Pro 1100 (DNS-1100-04) 4-Bay Network Attached Storage handles the ever-growing data storage requirements for households/SOHO and SMB users. The need for data consolidation and data sharing makes the DNS-1100-04 an ideal storage solution. Its iSCSI capability delivers blistering transfer rates and provides an extra layer of stability.

The DNS-1100-04 CD contains the D-Link's EZ Search Utility. This utility allows you to locate the ShareCenter Pro 1100 automatically and map drives to your computer on the fly. The D-Link EZ Storage Utility allows you to configure the device and set IP addresses.

Once setup and configured on your network, the DNS-1100-04, acts as a FTP, Web, Music, and Multimedia server. Windows[™], MAC, and Linux computers on the network can access any data off the server without adding new software locally and becaue of its stable and powerful feature set sensitive data can be securely managed.

Product Overview Package Contents

- D-Link ShareCenter Pro 1100-04
- CD-ROM with Manual and Software
- Quick Installation Guide
- Power Cord
- Cat5E Ethernet Cable
- Front Panel Lock Key



Note: Use the power supply that came with your device. Failure to do so might damage the unit and void the warranty.
 Note: The ShareCenter Pro 1100-04 should only be maintained by authorized staff or an IT administrator. The front panel key locks the device and keeps intruders from tampering with the device.

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 access the ShareCenter Pro:

- Computer with: 1Ghz processor / 512 MB RAM / 200 MB available space / CD-ROM drive
- Internet Explorer version 7.0, Mozilla Firefox 3.0, Apple Safari, Google Chrome 3, Opera 10
- Windows[®] XP (with Service Pack 2), Windows[®] Vista[™] Windows[®] 7
- 3.5" SATA Hard Drive(s)

Features

The D-Link ShareCenter Pro 1100 is packed with a wide variety of features geared toward the small and medium business environment. Some of these features are listed below:

- Four 3.5-inch SATA Hard Drives with support for 3TB and above
- 2 Gigabit Ethernet ports
- 2 USB 2.0 ports
 - UPS, printer, and external storage support
- Concurrent NAS/iSCSI: Supports file sharing and iSCSI block devices
- Data Protection: Supports RAID 0/1/5/6/5+Spare/ JBOD and S.M.A.R.T. disk diagnostic.
- Ease of Use: iSCSI targets appear as a local drive on your client PC. Access NAS files via the easy-to-use web file manager.
- Accessibility: Share files across the network or over the Internet via FTP or the web file manager.
- Security: Create users, groups, and iSCSI targets with password authentication.
- Account management: Manage users/groups and Read/Write permission
- iSNS
- Virtual Disks
- Thin-provisioning
- DDNS
- Volume Snapshot
- Up to 64 iSCSI Targets
- SNMP (D-View 6.0 compatible)
- CHAP

- Link Aggregation
- Fail-over/Fail-back
- VLAN tag Support
- DFS Support
- AES Support
- FTP w/ TLS/SSL
- NFS
- ADS support
- Backup
 - Remote backup
 - Local backup
 - External backup
 - PC client to NAS backup
- Web File Manager
- Print server
- Power management to conserve energy and extend hard drive life.
- Schedule power on/off
- Hard disk hibernation
 - SMART for hard disk health scan
- D-Link Green Ethernet
- Resource Monitor
- Multi-LUNs per Target
- Supports LUN Mapping & LUN Masking
- Supports MPIO
- Supports MC/S

- Supports Windows Server 2008 Hyper-V
- Network access by service
- AFP support
- Syslog server
- Network UPS
- ISO mount
- WebDAV
- Amazon S3

Hardware Overview Front Panel



COMPONENT	DESCRIPTION
Front Panel Lock	Turn the key to the up position to unlock. Turn key to left position to lock.
OLED Button	This button switches the OLED screen to display System, HD Volume Information and Error Messages.
Drive Trays	Unclip the bays to remove the cage and install the hard drives
Power Button	Use this button to switch the device on or off.
	To switch on the device press the button once.
	To switch off the device hold the button down for 5 seconds.
OLED Screen	This screen displays detailed information about the following:
	System Information, HD Volume Information and Error Messages

Hardware Overview Front Panel



Component	Color	Status	Description
		Static	Disk Ready
4 Disk LED's	Green	Blinking	Disk being accessed
		Off	No internal disk
	Red	Static	Disk error. Cannot Read/ Write

Component	Color	Status	Description
		Static	A network connection is available
2 LAN LED's	Blue	Blinking	The network is active
		Off	The network is inactive

D-Link ShareCenter Pro 1100-04 User Manual

Rear Panel (Connections)



COMPONENT	DESCRIPTION	
Gigabit Ethernet Port	Two Gigabit Ethernet Ports to connect the ShareCenter Pro 1100-04 to the local network.	
Power Receptacle	Connect the supplied power cord to the receptacle.	
USB Connector	Two USB 2.0 (Type A) connectors. The USB Host ports are for Print Servers, USB memory disks or USB UPS monitoring.	
Reset Button	Press this button for more than 5 seconds to reset the unit to factory defaults.	
Cooling Fan	The cooling fan is used to cool the hard drives and feature speed control.	

Using the OLED

The ShareCenter Pro 1100-04 features an OLED that enables the administrator to easily view information about the ShareCenter Pro. The OLED screen displays the system information, hard drive volume information and error messages. The OLED has three different screens:

- **System Information** This screen shows the following information:
 - The hostname of the ShareCenter Pro
 - The IP address of the ShareCenter Pro
 - The hard drive slots information
- Hard Drive Volume information- This screen shows the following information:
 - The percentage of used space on the hard drives.
- Error Messages- This screen shows error messages during system failures

Press the following button once to alternate between the different **Status** screens.

Chapter 1 - Hardware

The D-Link ShareCenter Pro 1100-04 is a solid NAS. It can hold four hot-swappable drives, provides auto encryption and has dual Ethernet ports. Let's take a closer look.

Hardware Setup - Installing Hard Drives

The D-Link ShareCenter Pro 1100 takes four 3.5" hard disk drives. The hard drives do not have to be the same size. However, to create a RAID, it would be preferable to have all hard drives the same size. In this guide we show how to take the hard drive cases apart, install the drives and turn on the device.

To install the Hard Drives, refer to the steps below:

Step 1: Remove the hard drive cages from the enclosure.



Hardware Setup - Removing Brackets

Step 2: Remove the plastic bracket inside the hard drive cage.



Hardware Setup - Attaching the Hard Drive to the Hard Drive Tray

Step 3: Place a 3.5" SATA hard drive into the drive tray, and screw it into place. There are four holes on either side of the drive tray.



Step 4: Slide the drive trays into the enclosure.



Hardware Setup - Installing Hard Drives

Step 5: Depress the blue clip in place to shut the drive tray in the enclosure.



Network Setup - Plugging in the Network Cables

Step 1: Plug in one end of the CAT5E cable (provided in the box) into one of the Gigabyte ports at the back of the ShareCenter Pro.



Network Setup - Plugging in the Cables

Step 2: Plug the other end of the CAT5E cable into a router or switch.



Power Cable Setup - Plugging in the Cables

Step 1: Plug the power cord into the back of the ShareCenter Pro 1100-04.

Step 2: Plug the other end into the wall socket and power up the device.



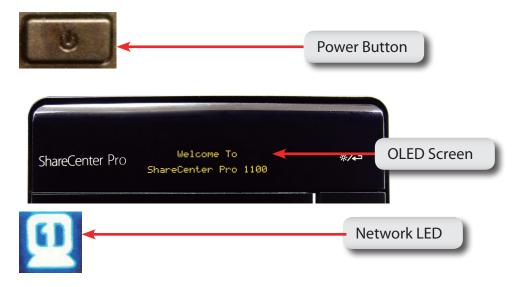
Powering on the Device

Before connecting to the ShareCenter Pro 1100-04, test to see if the device is powered on correctly.

Step 1: Do not slot any of the hard drive bays into the ShareCenter Pro.



Step 2: Press the "On" button in front of the ShareCenter Pro and wait for the OLED screen to display "Welcome to ShareCenter Pro "1100". There will also be a blinking blue network LED that indicates the device is connected to the network.



Powering on the Device - Software

Step 3: Place the accompanied CD-ROM into your CD-ROM drive and browse to D-Link's DNS-1100-04 EZSearch. Double-click the icon to activate the program.

D-LinK's DNS-1100-04 EZSearch D-Link

Step 4: This starts the EZSearch utility. The EZSearch utility locates the ShareCenter Pro 1100-04 and it's IP address.

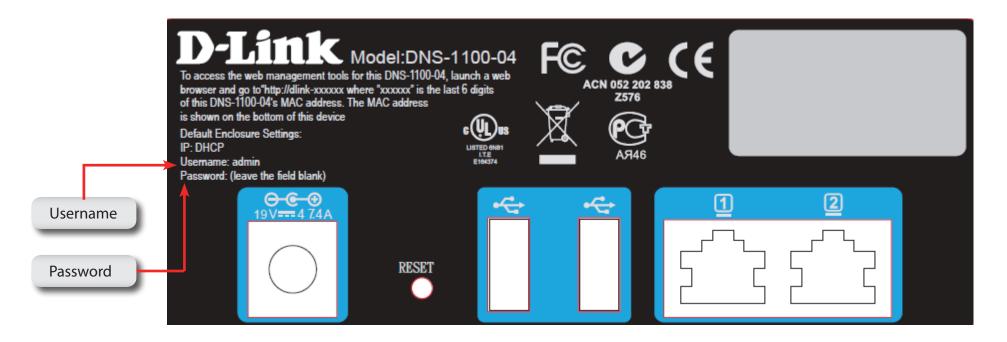
D D-Link's DN	S-1100-04 EZSearch		
- Network Storag	e Device ———		
Name DNS-1200-Yih: dlink-aabbc0 DNS-323TLD3 dlink-022100 NAS-346-MAY	in 10.73.11.30 25 10.73.40.81 25 10.73.40.17 25 10.80.85.111 25	etmask Gate ▲ 5.0.0.0 10.2 5.0.0.0 10.7 5.0.0.0 10.7 5.0.0.0 10.8 5.0.0.0 10.1 ₩	Refresh Configuration
IP: Netmask:	10 . 80 . 85 . 11 255 . 0 . 0 . 0	1 Receive DHCP : Dis	able
Gateway:	10 . 80 . 80 . 1 oping	Active	
			Connect Management
Page: 1 🗸			
Orive Mapping Volume Name	Location	Available Drive Z: Connect	e Letters :
Page: 1			Exit

Chapter 2 - Software Installation

The D-Link ShareCenter Pro 1100-04 is a solid NAS. Installing, configuring, and creating shares on the fly is the ShareCenter Pro's strengths. Let's take a closer look.

Software Setup - Default IP Address Location

During the initial boot sequence, the ShareCenter Pro 1100-04 awaits to be assigned a DHCP IP address. If it does not receive a DHCP assigned IP address, the ShareCenter Pro 1100 reverts to its Auto-IP address. The Auto-IP address will look similar to (eg. 169.254.x.x). The Username and Password information is just below the IP address information.



It is recommended to use the D-Link EZ Search Utility when accessing and configuring the ShareCenter Pro for the first time. If you want to change the IP address before logging in or are unable to connect to the ShareCenter Pro's IP address, you can use the EZ Search Utility provided on the product CD to locate the device on your network and make any changes.

Software Setup - EZ Search Utility

Here is a closer look at the EZ Search Utility

Network Storage Device	The EZ Search Utility displays any D-Link NAS or ShareCenter Pro device on the network here.
Refresh	Click Refresh to refresh the device list.
Configuration	Click Configuration to access the Web based configuration of the ShareCenter Pro.
LAN	Configure the LAN Settings for the ShareCenter Pro here.
Apply	Click Apply to save changes to the LAN Settings.
iSCSI Drive Mapping	Displays the available iSCSI targets on the ShareCenter Pro.
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.

D-Link's D	NS-1100-04 EZS	iearch	
Network Stora	age Device ———		
Name DNS-1200-Yil dlink-aabbc0 DNS-323TLD3 dlink-022100 NAS-346-MA'	10.73.40.81 3 10.73.40.17 10.80.85.111	Netmask 255.0.0.0 255.0.0.0 255.0.0.0 255.0.0.0 255.0.0.0	Gate Configurat
- LAN			
IP:	10 . 80 . 85	5 . 111 _{Rece}	ive DHCP : Disable
Netmask:	255 . 0 . 0		DODDO
Netmask:			Apply
Gateway:	10 . 80 . 80),1	
iSCSI Drive Ma	apping		
Name		Active	
			Connect
			Manageme
Page: 1 🔹	<u> </u>		
-Drive Mapping	9		
Volume Name	e Locatio	on I	Available Drive Letters :
			Z: 🔹
			Connect Disconnect
Page: 1	~		

Getting Started

To run the EZ Search Utility, insert the ShareCenter Pro CD into your CD-ROM drive:

Step 1: Click the **EZ Search Utility** link.



Step 2: Click **Configuration** to the right of the Network Storage Device.

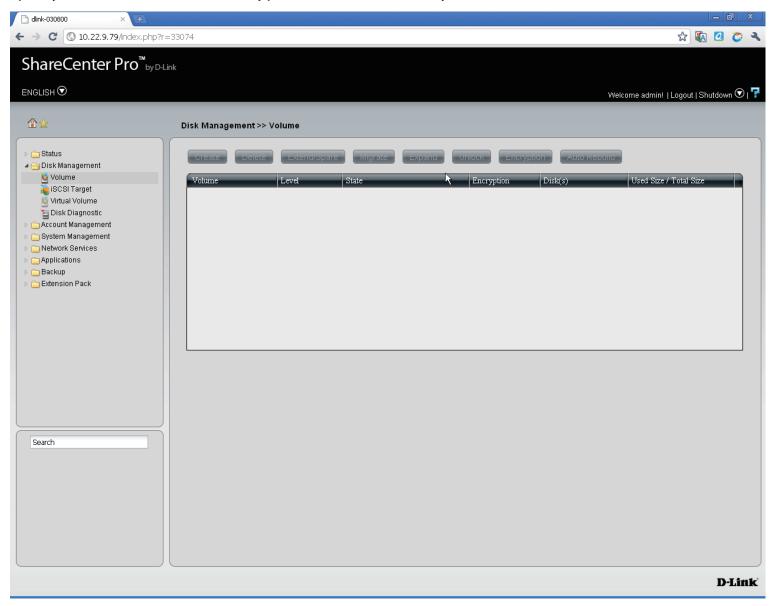
The **Configuration** button launches your computer's default web browser and directs it to the IP address listed for the device. Make sure your browser is not configured to use a proxy server.

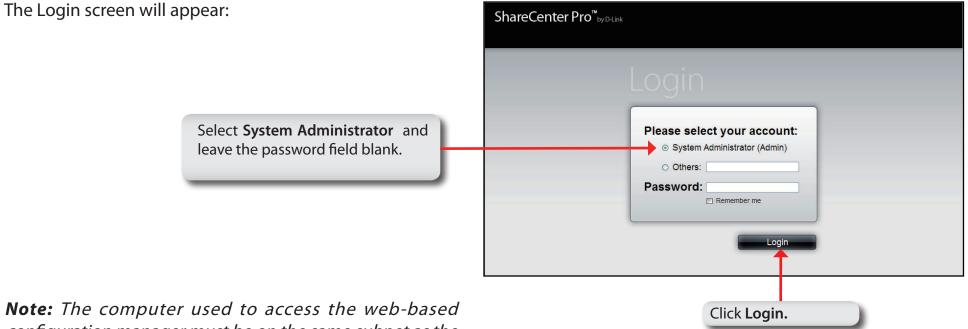
Note: The computer used to access the web-based configuration manager must be on the same subnet as the ShareCenter Pro. If your network is using a DHCP server and the computer receives IP settings from the DHCP server, the ShareCenter Pro will automatically be in the same subnet.



Getting Started - Browser Setup

Alternatively, open your default browser and type in the IP address of your ShareCenter Pro 1100-04.



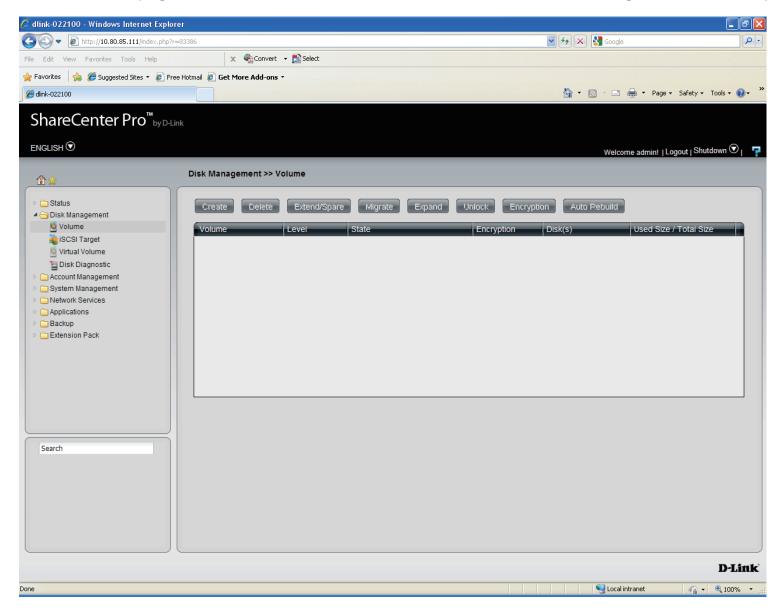


Note: The computer used to access the web-based configuration manager must be on the same subnet as the ShareCenter Pro. If your network is using a DHCP server and the computer receives IP settings from the DHCP server, the ShareCenter Pro will automatically be in the same subnet.

Step 3: Click the button next to System Administrator, leave the Password field blank and click Login.

Using the Web UI

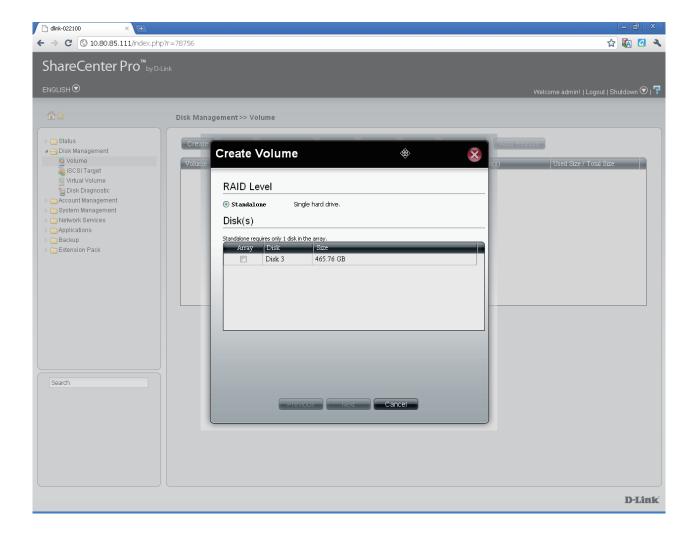
The screen loads to the default page. If there are no drives, the browser loads to the Disk Management, Volumes page.



Using the Web UI Part II

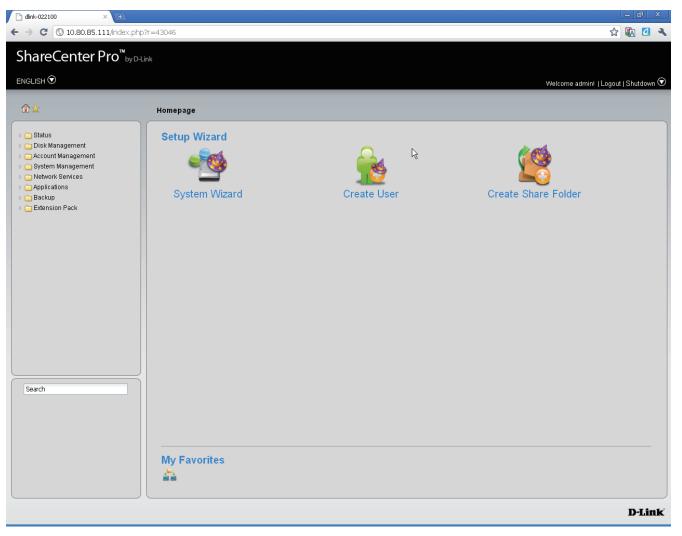
Load the hard drives into the bays. Once the bays are installed, the **Create Volume** window appears but this only occurs if no RAID has been created. The ShareCenter Pro 1100-04 immediately recognizes the capacity of the drive(s) and prompts you to select a RAID level. See **Creating Your First Volume** in the next section. You can also close this window and use the Setup Wizard to configure the ShareCenter Pro 1100-04.

Note: If there is only one drive installed into the system, the device will act as a standalone drive as no RAID can be created.



Understanding the Web UI

Once a volume has been created, the Web UI defaults to the Homepage (11). The main categories for configuring the ShareCenter Pro 1100-04 are located in the folders at the left of the page. Click the icon to see the categories of each folder. The categories available for configuration include: Homepage, Status, Disk Management, Account Management, System Management, Network Services, Applications, Backup and Extension Pack.



Understanding the WEB UI Part II

The following is a short explanation of the Web UI:

- Homepage- Contains the System Wizard, Create User, Create Share Folder and My Favorites.
- Status- Contains the System Status, Hard Drive Status, and Resource Monitor.
- **Disk Management-** Allows the ShareCenter Pro administrator to create/configure a Volume, iSCSI Target, Virtual Volume, and perform Disk Diagnostic.
- Account Management- Allows the ShareCenter Pro administrator to configure Admin Password, Users, Groups and Share Folders
- System Management- Contains Network, Time and Date, System Settings, Power Management, Email Alerts, Firmware Upgrade and Logs.
- Network Services- Contains File Sharing, Dynamic DNS, SNMP and Network Discovery Services.
- Applications- Contains Web File Manager and Download Management.
- Backup- Contains Volume Snapshot, Local Backup, Remote Backup and External Backup.
- Extension Pack- Allows the ShareCenter Pro administrator to add more applications to the device and supports several Multi-language packs.

These pages and their configuration options will be discussed in detail in the following pages of this manual.

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

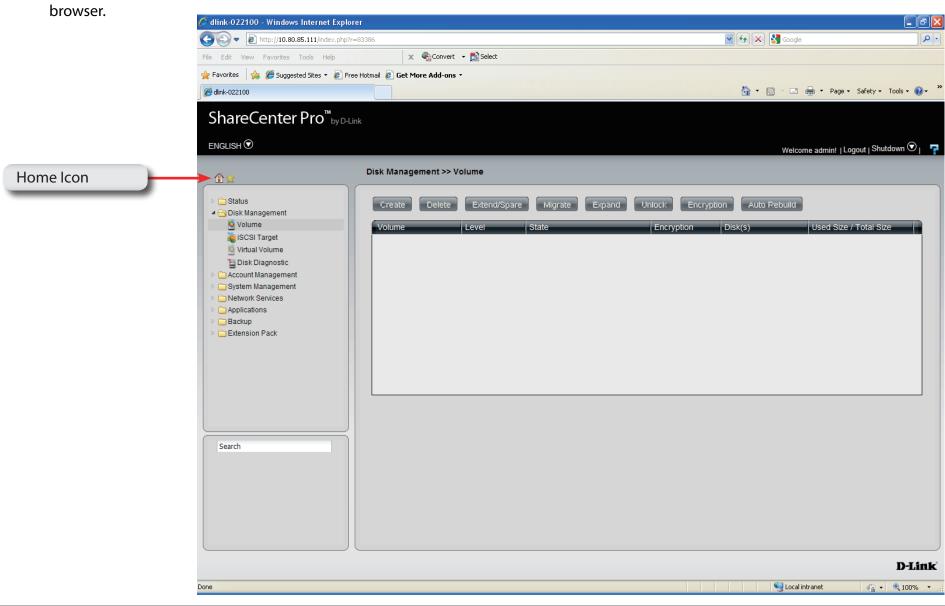
Chapter 3 - Setup Wizard

The ShareCenter Pro 1100-04 provides a Setup Wizard to easily configure the DNS-1100-04. This chapter shows you how to create volumes and format drives.

The Setup Wizard is the easiest and fastest way to setup your ShareCenter Pro 1100-04. Once you have entered your IP address into the browser, follow these few steps to get started:

Create Volume (close)	Create Volume
Step 1: Close the Create Volume window.	Standalone Single hard drive.
	Disk(s) Standalone requires only 1 disk in the array. Array Disk Size
	Disk 3 465.76 GB
	Previous Next Cancel

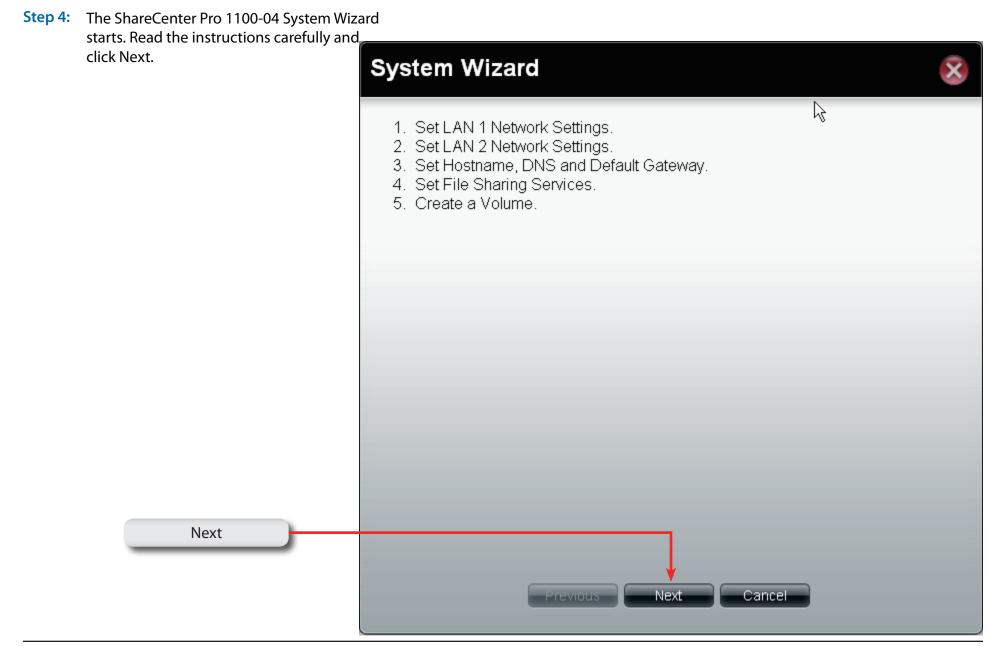
Step 2: Click the Home icon at the top right of the



Step 3: Click the Setup Wizard icon on the main

Homepage

	🗋 dlink-022100 🛛 🗙 🕩			
	← → C (S 10.80.85.111/index.php	?r=43046		슓] 🐼 🙋 🔦
	ShareCenter Pro [™] _{by D-L}	ink		
				Welcome admin! Logout Shutdown 👁
	\$\$	Homepage		
System Wizard Icon		Setup Wizard System Wizard	Create User	Create Share Folder
		My Favorites		
				D-Link



Using the Setup Wizard for Static IP Addresses

Step 5: The ShareCenter Pro 1100-04 System Wizard provides information on setting up your local LAN, VLAN, and Port Bonding.

> Enter the **Static IP address**, **Subnet Mask**, **Jumbo Frame**, and **Gateway** details provided by your systems administrator. Leave **Jumbo Frame** Disabled if your Service Provider does not support it.

> Setup the **VLAN** settings according to your virtual LAN.

Enable **Port Bonding** according to your specified needs.

Click Next to continue.

Note: If your network environment is setup with DHCP, select DHCP. If, however, you are setting up your network environment using your own set of IP addresses, select Static IP.

System Wiza	rd	×
LAN 1	R	
 ○ DHCP Client ⊙ Static IP 		
IP Address:	10.80.85.111	
Subnet Mask:	255.0.0.0	
Jumbo Frame:	Disabled	
Gateway:	10.80.80.1	
VLAN		
VLAN:	O Enable O Disable	
VLAN ID:		
Port Bonding		
Port Bonding:	🔿 Enable 💿 Disable	
Option:		
	Previous Next Cancel	

Using the Setup Wizard for Static IP Addresses

Step 6: The ShareCenter Pro 1100-04 System Wizard provides information on setting up your second local LAN, VLAN, and Port Bonding too.

> Enter the **Static IP address**, **Subnet Mask**, **Jumbo Frame**, and **Gateway** details provided by your systems administrator. Leave **Jumbo Frame** Disabled if your Service Provider does not support it.

Setup the VLAN settings according to your virtual LAN.

Click Next to continue.

Note: If you are not configuring the ShareCenter Pro to use the second LAN port, click DHCP Client.

System Wiza	rd	×
LAN 2		
⊙ DHCP Client ○ Static IP		2
IP Address:	192.168.1.32	2
Subnet Mask:	255.255.0.0	
Jumbo Frame:	Disabled	
Gateway:	192.168.1.1	
VLAN VLAN:	◯ Enable	
VLAN ID:		
	Previous Next Cancel	

Using the Setup Wizard for Host Names

Step 7: The ShareCenter Pro 1100-04 System Wizard allows you to change the hostname. Enter the Host Name, Primary DNS and Secondary DNS, and the Default Gateway for either LAN card.

Click Next to continue.

System Wi	zard	\	×
Host Name			
Host Name:	dlink-022100		
DNS Server			
Primary DNS:	192.168.0.1		
Secondary DNS:			
Gateway:	LAN 1		
	Previous	Next Cancel	

Using the Setup Wizard for File Sharing

Step 8: The ShareCenter Pro 1100-04 System Wizard allows you to select the file sharing protocols. Click Enable or Disable to activate or deactivate these share options.

> CIFS: Common Internet File System, provides shared access to files, printers, and serial ports. FTP: File Transfer Protocol, provides is used to copy a file from one host to another. NFS: Network File System, allows a client computer to access files over the network as if the device is part of local storage. DFS: Distributed File System, is a remote file access protocol that provides faster performance over slower networks. Quota: Provides disk and network quotas based on user's setting. AFP: Apple Filing Protocol, is a network

protocol that offers file services for Mac OS X and previous Mac OS's.

WebDAV: Web-based Distributed Authoring and Versioning, is a set of methods based on the Hypertext Transfer Protocol (HTTP).

Click **Next** to continue.

File Shar	Enable	Disable	
TP:	Enable	O Disable	
IFS:	Enable	Oisable	
FS:	Enable	O Disable	
uota:	Enable	O Disable	
FP:	Enable	O Disable	
VebDAV:	Enable	Disable	
Notice: Apply	ing any share to N	S or AFP service will disable oplocks.)	

Using the Setup Wizard for RAID Levels

Step 9: The ShareCenter Pro 1100-04 System Wizard automatically detects the amount of hard drives present and creates a table to select which drives you want.

In our example, we inserted one drive.

The **RAID** level is automatically selected (standalone).

Select the Disk Array and click Next.

System Wizard		÷	×
RAID Level			
💽 Standalone Sir	ngle hard drive.		
Disk(s)			
Standalone requires only 1 disk i			
Array Disk	Size 465.76 GB		
	405.70 GB		
ſ	Previous Next	Cancel	

Encrypting your Drive

Step 10:	Under Create Volume, Settings choose to encrypt your hard drive. Enter a Password and re-enter to confirm your Password.	Create Volume -	Settings	; ∲	×
	Select Auto Unlock to unlock the hard drive on powering the NAS or select USB Key to	Settings			Password Field
save the password on ar Click Apply .	save the password on an external USB drive. Click Apply .	Auto-rebuild:	🔿 Enable	 Disable Disable 	
	Note: Select either Auto Unlock or USB Key.	Encryption: Password:	 Enable 	 Disable 	-↓
	You cannot select both.	Confirm Password:	•••••	•	
	Auto Unlock Checkbox	Auto Unlock			
	USB Key Checkbox	 Auto Unlock: Encrypted v USB Key: Store the pass volumes in the future. Whe password on it and unlock: use this feature, you must of 	word on a USB (n USB drives are s the correspond	drive. This can be used e connected to the NAS ding encrypted volume	d to unlock encrypted 6, the system checks the with that password. To
		Previou	ıs Appl	y Cancel	

Setup Wizard Summary

Step 11: The ShareCenter Pro 1100-04 now provides a summary of all the stages you completed.

LAN 1

LAN 2

LAN 1		_
Network Type:	Static IP	
IP Address:	10.80.85.111	
Subnet Mask:	255.0.0.0	
Jumbo Frame:	1500	E
Gateway:	10.80.80.1	
VLAN:	Disable	
VLAN: Port Bonding: LAN 2	Disable Disable	
Port Bonding: LAN 2	Disable	
Port Bonding: LAN 2 Network Type:		
Port Bonding: LAN 2	Disable DHCP Client	
Port Bonding: LAN 2 Network Type: IP Address:	Disable DHCP Client 192.168.1.32	
Port Bonding: LAN 2 Network Type: IP Address: Subnet Mask:	Disable DHCP Client 192.168.1.32 255.0.00	
Port Bonding: LAN 2 Network Type: IP Address: Subnet Mask: Jumbo Frame:	Disable DHCP Client 192.168.1.32 255.0.0.0 1500	

Setup Wizard Summary Part II

Step 12: The ShareCenter Pro 1100-04 now provides a summary of all the stages you completed.

Global Settings

File Sharing

Create Volume

Click Apply to continue.

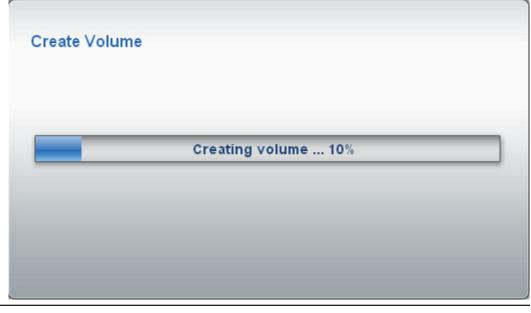
System Wizard			×
			^
Global Settings			
Host Name:	dlink-022100		
DNS Server:	192.168.0.1		
Default Gateway:	LAN 1		
File Sharing			
Enable Services.:	CIFS, FTP, NFS, DF	S, Quota	
Disable Services.:			
Create Volume			
Level:	Standalone None)	Single hard drive. (Disk(s) : Disk 3, Spare:	
Auto-rebuild:	Enable		
Encryption:	Enable		
Auto-unlock:	Enable		
Store password to USB drive.:	Disable		
			~
P	revious Apj	oly Cancel	

Creating a Clean Volume

Step 13: Click Yes to create a new Volume on the drive. All data on the selected disk will be erased.

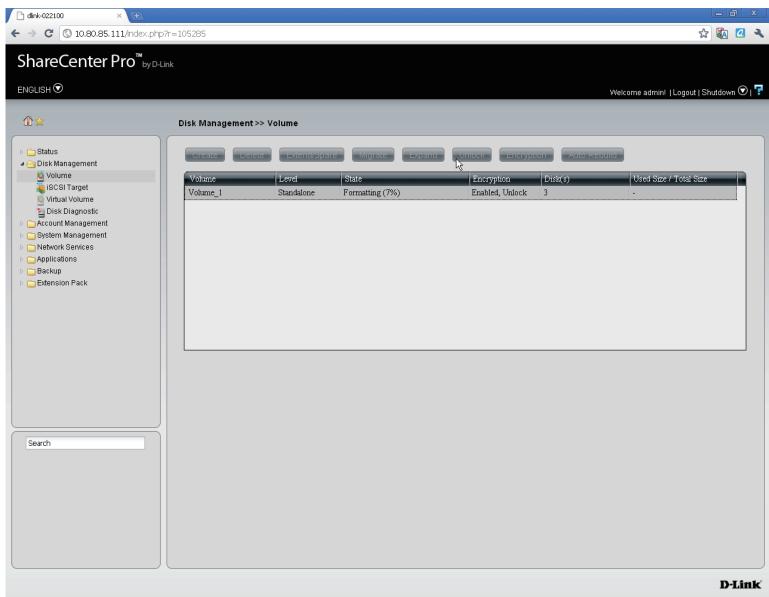


Step 14: The ShareCenter Pro 1100-04 now creates a volume for the hard drive.



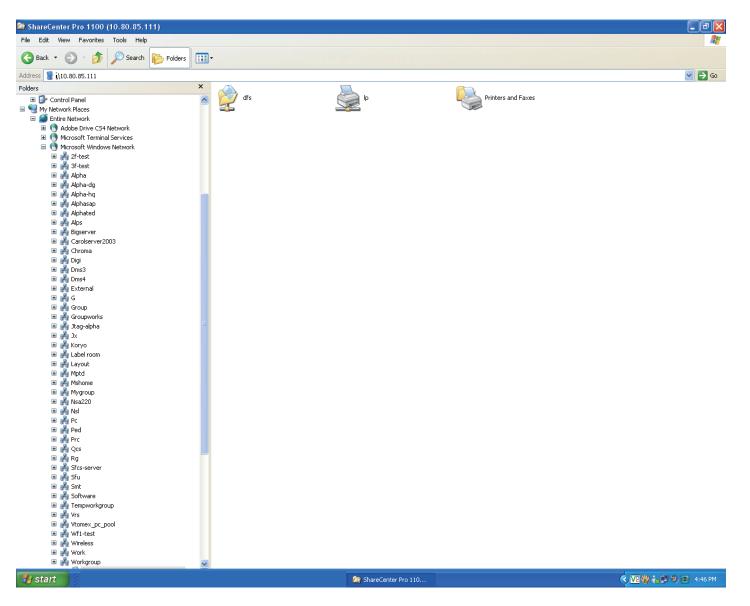
Formatting a Volume

Step15: Once the Volume is created, the ShareCenter Pro 1100-04 will format the drive. (As shown below)



Accessing the Drive for the First Time

When the Setup Wizard is complete, use your Windows Explorer to access the drives on the ShareCenter Pro 1100-04.



Chapter 4 - Hardware - Installing more Drives

The D-Link ShareCenter Pro 1100-04 can take up to four hard drives. All these hard drives can be individually configured and grouped in an array for RAID. Let's take a look further.

Hardware - Installing more Drives

Installing new hard drives in the ShareCenter Pro 1100 is convenient and funtional. Let's take a look at this in more detail.

Step1: When you first purchase the ShareCenter Pro 1100, there are no drives in it. The Setup Wizard will prompt you to install drives (as seen below).

Click **OK** and install the drives.



Hardware - Installing more Drives

Step 2: Install the first drive



Step 3: The top OLED indicates the position of the drive on the ShareCenter Pro, while the bottom OLED displays the active drive number in green.

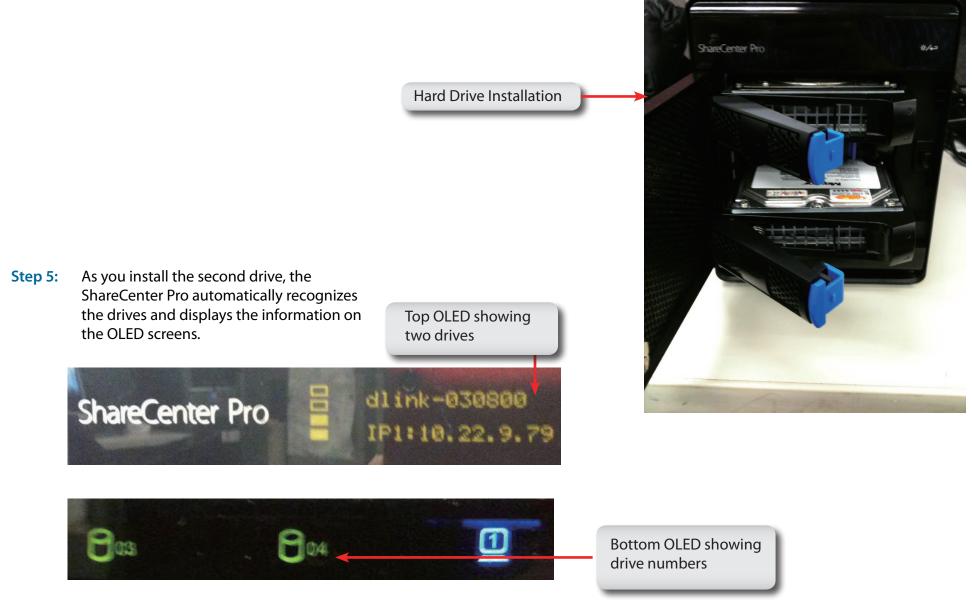
Top OLED

ShareCenter Pro IP1:10.22.9.79



Hardware - Installing more Drives

Step 4: Install the second drive



Chapter 5 - Software - Creating Volumes & Formatting

The D-Link ShareCenter Pro 1100-04 handles each drive differently. Once a new drive is installed the WEB UI creates a volume and formats the drive according to the user's requirements. Let's take a closer look.

Software - Installing more Drives

Once the hard drives are installed in the ShareCenter Pro 1100-04, the drives can be formatted and configured.

Step1:	Open your default browser and type in the IP Address displayed on the OLED screen.	[↑] dlnk-022100 × ● ← → C [●] () 10.80.85.111/index.php?r=71724	් ක
		ShareCenter Pro [™] _{byD4.ink} Browser window	
		IP1:10.22.9 LED IP Address	. 79
	If you cannot see the top OLED screen click the icon on the right side of the ShareCenter Pro.	Touch Display	

Software - Configuring more than one drive

Step 2: The Login screen will appear:

Select **System Administrator** and leave the password field blank.

ShareCenter Pro [™] by D-Link	
	Login
	Please select your account: System Administrator (Admin) Others: Password: Remember me
	Click Login.

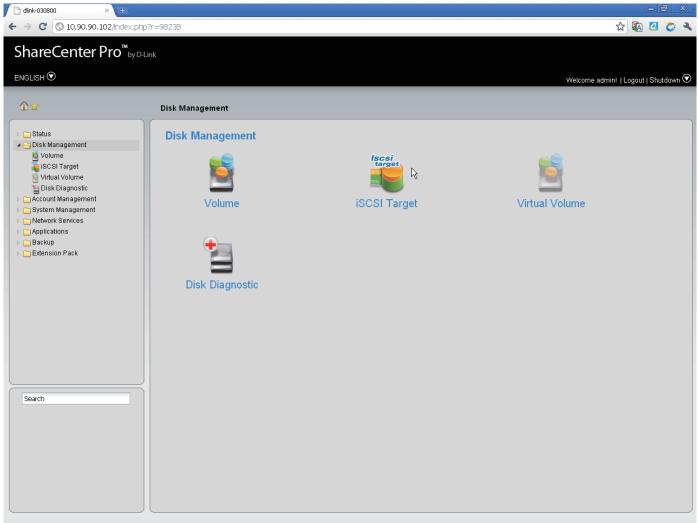
Note: The computer used to access the web-based configuration manager must be on the same subnet as the ShareCenter Pro. If your network is using a DHCP server and the computer receives IP settings from the DHCP server, the ShareCenter Pro will automatically be in the same subnet.

Step 3: Click the button next to System Administrator, leave the Password field blank and click Login.

Software - Configuring more than one drive

Step 4: Click Disk Management, Disk Diagnostics

Disk Diagnostics shows all the drives placed in the NAS (formatted or unformatted)



Software - Creating RAID

Step 5: Under Disk Management click Volume. The Create Volume window appears.

Step 6: Under Create Volume, select the RAID Level best suited for your purpose. (See More About RAID in other chapters)

Step 7: Select the Array you wish to use and click Next.

Create Vo	olume			×
RAID Leve	el			
Standalone	Single I	hard drive.		
JBOD	Concat	enate hard drives		
◎ RAID 0	Disk arr	ay with best perf	ormance.	
RAID 1	Mirror o	lisk array.		
Disk(s)				
	minimum of 2 disks in			
Array	Spare	Disk Disk 1	Size 298.09 GB	
		Disk 3	465.76 GB	
		DISK J	405.70 GB	
	Previous	s Next	Cancel	

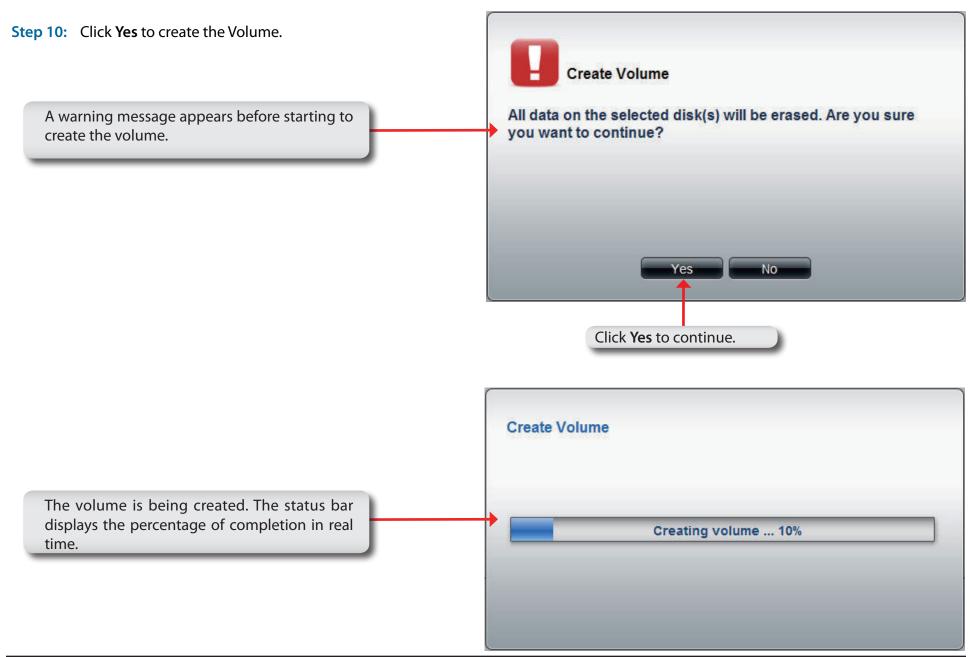
Software - Encryption Settings

The ShareCenter Pro 1100-04 offers bootup encryption and remote encryption via a USB stick drive. Select the method that best suits your needs. Select to enable or disable the auto-rebuild

function of RAID 1 RAID 5 or RAID 6

Step 8: Select Auto-rebuild to automatically unlock the volume on startup.	
Select Encryption to encrypt the device	Create Volume - Settings
Type a Password for encryption.	Settings
Step 9: Click Apply to continue.	Auto-rebuild: O Enable O Disable Encryption: O Enable O Disable Password: Confirm
Click the Enable radio button to encrypt the volumes. Enter a password in the Password and Confirm Password fields.	 Password: Auto Unlock USB Key Auto Unlock: Encrypted volumes are automatically unlocked during system start-up. USB Key: Store the password on a USB drive. This can be used to unlock encrypted volumes in the future. When USB drives are connected to the NAS, the system checks the password on it and unlocks the corresponding encrypted volume with that password. To use this feature, you must connect the USB drive before creating the volume.
Tick the Auto Unlock check box to automatically unlock the volume when the system starts. Tick the USB Key check box to save the password to a USB drive.	Previous Apply Cancel
	Click Apply to continue.

Software - Creating the Volume

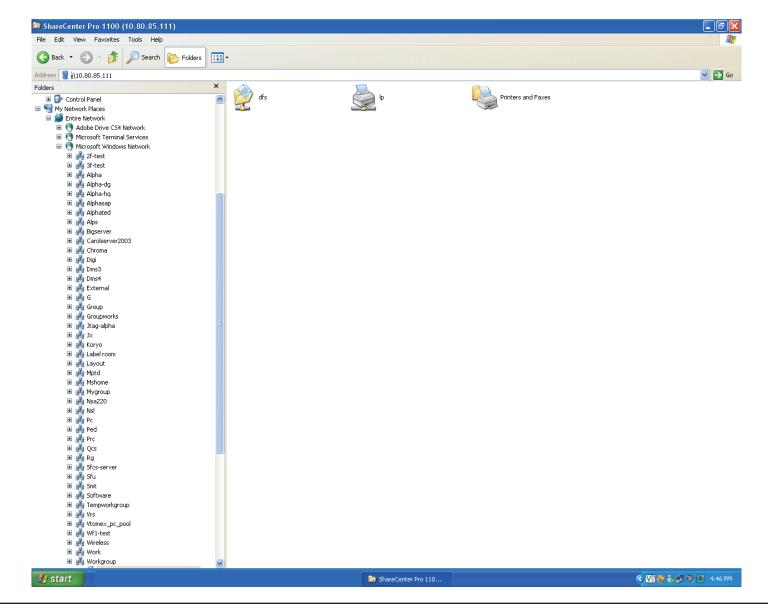


Software - Creating the RAID & Formatting

Step 11: Once the Volume is created, the ShareCenter Pro 1100-04 formats the drives and creates the RAID. / 📄 dlink-030800 ← → C (③ 10.90.90.102/index.php?r=102644 ☆ 🕼 🙋 🏷 🔧 Note: The ShareCenter Pro ShareCenter Pro[™]by D-Link 1100-04 will automatically ENGLISH 🛇 create the Volume, a Welcome admin! | Logout | Shutdown 오 | 루 Standalone Volume, if the 🏦 📩 Disk Management >> Volume size of the hard drives are 🖻 🗀 Status different. 🖉 😋 Disk Management 🗯 Volume Used Size / Total Size 🧯 iSCSI Target Volume 1 Standalone Crashed 🦉 Virtual Volume Volume_2 RAID 1 2, 3, 4 Formatting (0%) Enabled, Unlock 놜 Disk Diagnostic Volume 50 Standalone Formatting (0%) Disabled 2 🗀 Account Management 🚞 System Management Volume_51 Standalone Formatting (0%) Disabled 4 C Network Services Applications 🗀 Backup 🗀 Extension Pack Once the volume is created, the Volume page opens to show the information. Search D-Link

Software - Volume & RAID Created

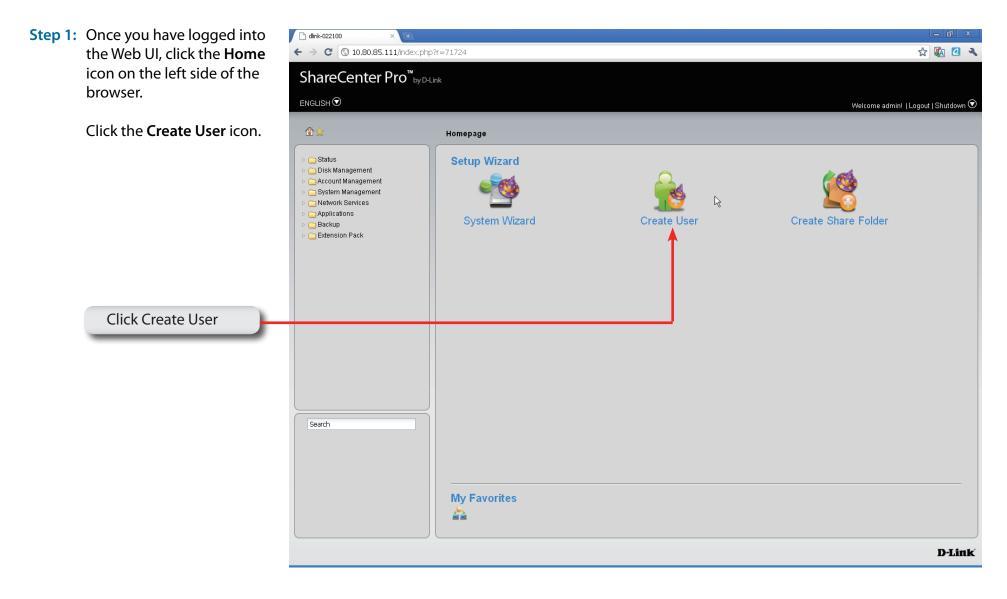
The ShareCenter Pro 1100-04 creates a Volume and configures the RAID. Windows Explorer can see the share but users on the network cannot access it unless a shared folder is created.



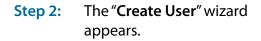
Chapter 6 - Software - Creating Users

The D-Link ShareCenter Pro 1100-04 allows you to create individual accounts or group accounts accordingly. Let's take a look.

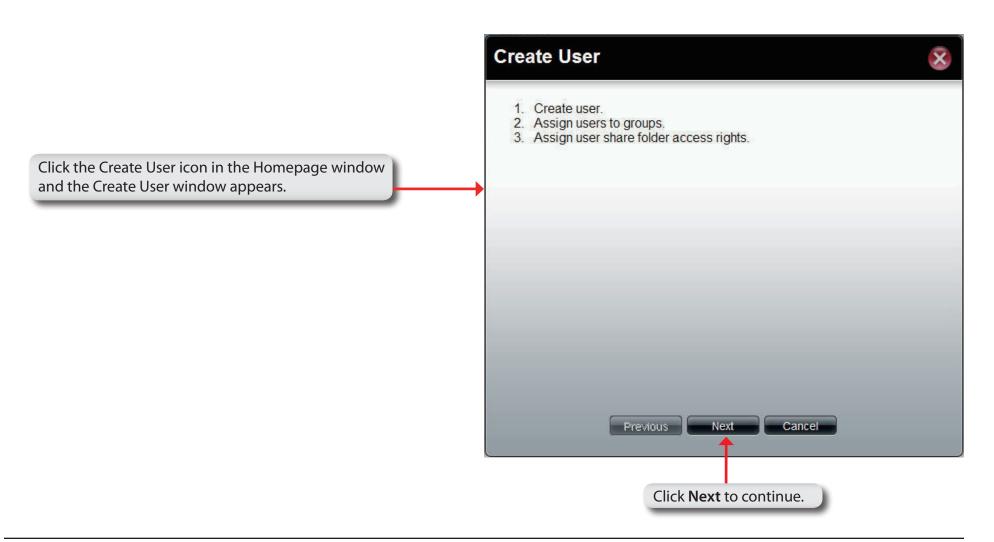
Software - Creating Users



Software - Creating Users



Click Next to proceed.



Software - User Information

Step 3:	Enter the User Name and Password in the fields provided.			
	Confirm the Password entered.	Create User		۰
Step 4:	Enter a storage size in megabytes if you wish to limit a user's storage quota. Click Next to continue	User Information User Name: Password: Confirm Password:	John	
	Enter a name in User Name, and a password in Password and Confirm Password.	Quotas		
tic sto	setting a specific storage quota for the user, ik the Set Quota check box and enter the brage quota in megabytes (MB). you use 0 in the Quota it represents	Quotas: 100	MB	
	limited disk space.		Previous Next Cancel Click Next to continue.	

Software - Creating Groups

Step 5: Under **Group List**, view the groups you wish the user to belong to.

Click Next to continue.

If there is no **Group List** just click **Next** and you can add **Groups** at a later stage

	C	Create Use	r				×
		Group List					
		Group Name			Search	Add	××
Select a group from the list. If there is no entry in the list, you can go to Account Management >> User to update the information after a group has been created.	•			5 B 25			
		Page	1 of 1	> DI 🔇	Cancel	No data to	display
				Click Next to co	ontinue.		

Software - Creating Share Folder Lists

Step 6: Under **Share Folder List**, view the **shared folder** you wish the user to belong to.

Click Next to continue.

If there is no **Share Folder List** just click **Next** and you can add the Folder at a later stage.

	Create User				2
	Share Folder	List		-	
	Share Name	Path	Read Only	Search Read/Write	Deny
in the list, you can go to Account Management > User to update the information after a share folder is created.	Page	1 of 1 🕞 🕅	õ		No data to display
		Previous	Next	Cancel	
			ext to contin	ue.	

Software - User Summary

Step 7: Under **Summary**, view details about the user you have just created.

Click **Apply** to save the settings.

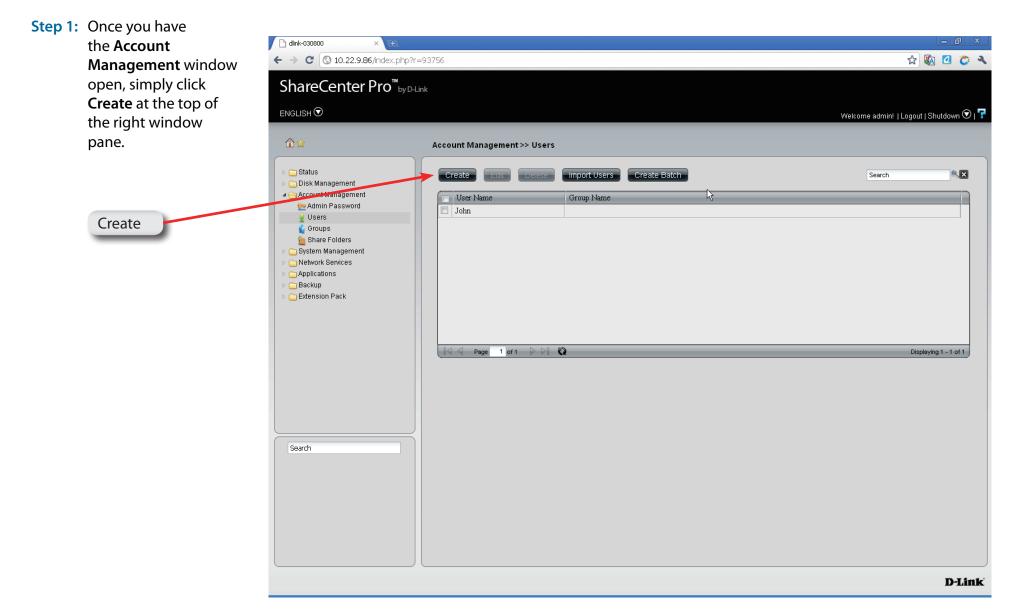
This window displays the information that has been configured.

Summary	
Options	Settings
User Name	John
Group Name	
Quotas	100 MB
Share Folder (RO)	
Share Folder (RW)	
Share Folder (Deny)	

Step 8: Click Account

Software - User Information

Management, Users. There you will find the dink-030800 New User that you have ← → C 🔇 10.22.9.86/index.php?r=93756 ☆ 🚯 🙋 🏷 🔧 created. ShareCenter Pro[™]_{byD-Link} ENGLISH 🛇 Welcome admin! | Logout | Shutdown 🛇 | 👎 1 Account Management >> Users 🗀 Status Create Batch Create Import Users Search Account Manager 🗀 Disk Management Account Management Group Name User Name 👷 Admin Password John Users Users Groups 🙍 Share Folders 🔁 System Management C Network Services New User C Applications 🚞 Backup 🗀 Extension Pack Page 1 of 1 D DI 3 Displaying 1 - 1 of 1 44 Search D-Link



Step 2: Enter the details of the new user and click Next.

	Create User	ţ. S
7	User Information User Name: Password: Confirm Password:) Karl ••••••
New User details	Quotas Set Quota Quotas: 200	MB

Step 3: Under **Group List**, view the groups you wish the user to belong to.

Click Next to continue.

If there is no **Group List** just click **Next** and you can add Groups at a later stage

Select a group from the list. If there is no entry in the list, you can go to **Account Management** >> **User** to update the information after a group has been created.

	Search	N
roup Name		Add
🗐 🍯 Page 1 of 1 🕞 🕅 🖏		

Step 4: Under **Share Folder List**, view the **shared folder** you wish the user to belong to.

Click Next to continue.

If there is no **Share Folder List** just click Next and you can add the Folder at a later stage

Select a share folder from the list. If there is no entry in the list, you can go to **Account Management** > **User** to update the information after a share folder is created.



Software - User Summary

Step 5: Under **Summary**, view details about the user you have just created.

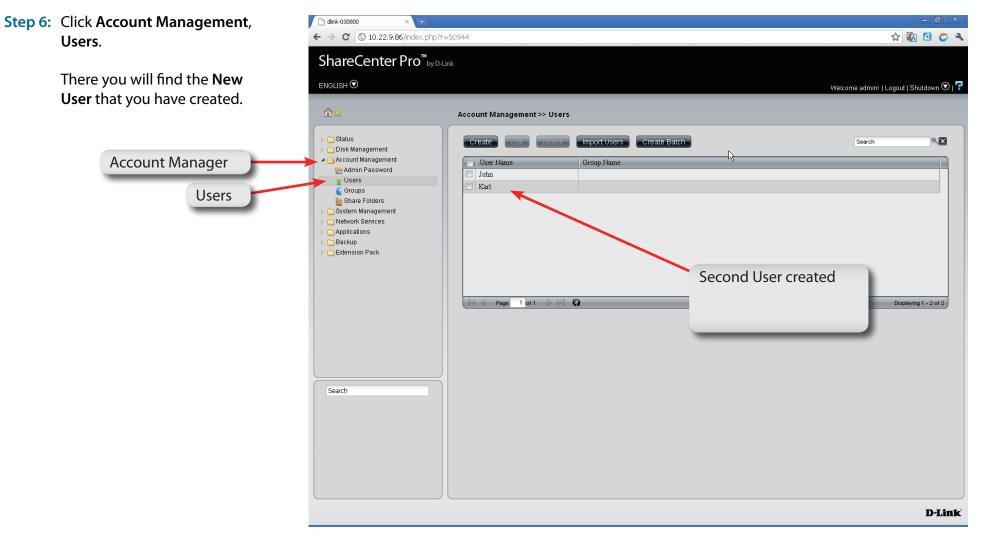
Click **Apply** to save the settings.

Create User

This window displays the information that has been configured.

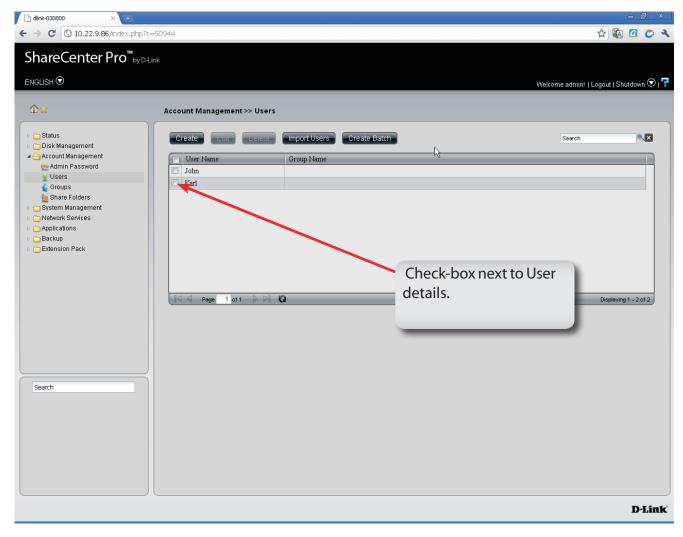
Summary	
Options	Settings
User Name	Karl
Group Name	
Qu tas	200 MB
Share Folder (RO)	
Share Folder (RW)	
Share Folder (Deny)	
	Previous Apply Cancel
	Click Apply to save the settings.

Software - User Information



Software - Deleting a User

Step 1: Click the check-box next to the User's name and click Delete.



Software - Deleting a User

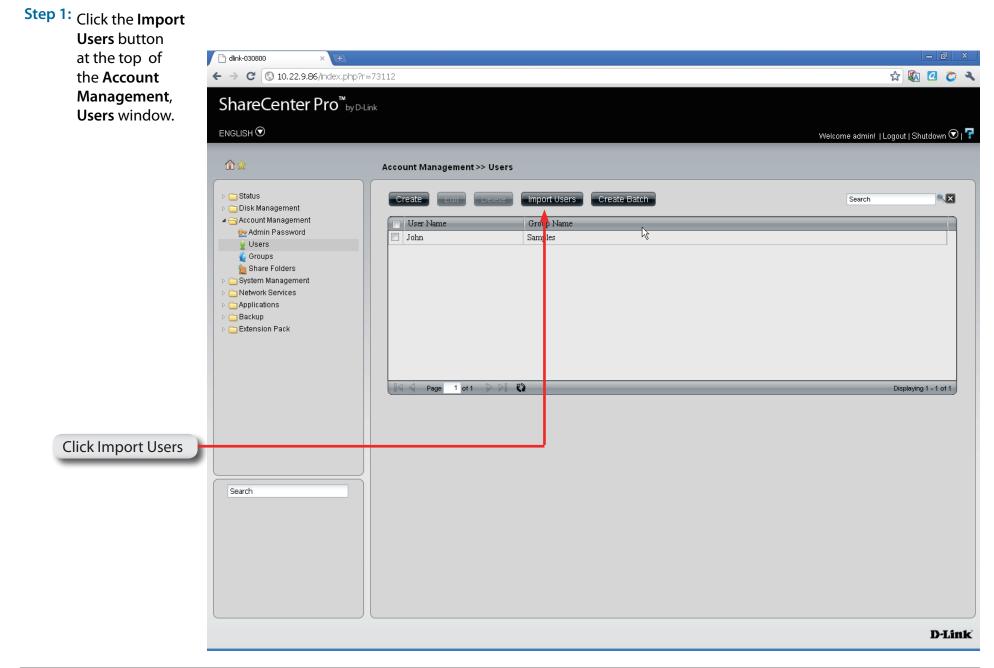
Step 2: Confirm that you want to delete the User from the User List and click Yes.



Step 3: The User no longer exists in the User List.

User Name	Group Name	N	
John	Samples	13 Alexandre and 19 Ale	
			Displaying 1 - 1 of 1

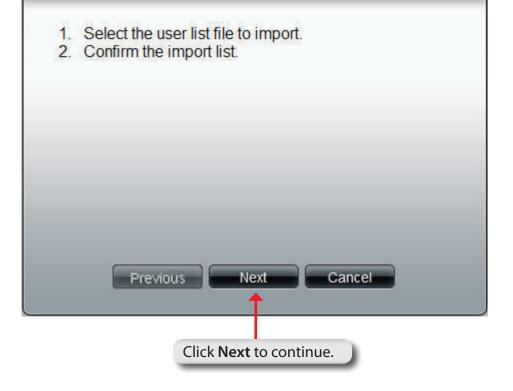
Software - Importing Users



Software - Importing Users

Step 2: The welcome window is displayed. Click Next to continue.

Import Users



Software - Importing Users - Creating a User List

Step 3: Click the Download button to see an example .txt file. The file looks similar to this:

#user name;user password;user groups; shared folder(rw); shared folder(ro); shared folder(deny);user quota user001;11111;Group1,Group2;Volume_1,Volume _50;B,Volume_51;;10240

Note: Consult a systems administrator or a programmer to design the script for this file.

Note: The ShareCenter Pro only accepts "txt" files at the moment.

- **Step 4:** Click the check box next to **Overwrite duplicate accounts** to write over user accounts you already have in the ShareCenter Pro.
- Step 5: Click the Browse button to locate the file you created and click Next.



Software - Importing Users - Checking the User List

Step 6: This window displays all the users in the file. If there are any error warnings in the State field, the user will not be able to go to the next window.

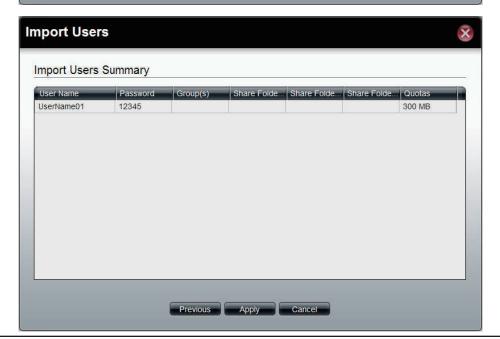
Click Next to continue.

Import Users Import Users List (User List File) User Name Password Group(s) Share Folde... Share Folde Group not exist user001 11111 10240 MB Share Folder(R. Share Folder(R. UserNa. 12345 300 MB Previous Next

Cancel

Step 7: The window displays the final results of importing users to the ShareCenter Pro.

Click **Apply** to save the settings.



Step 1: Click the Create Batch button at the top of the

Account Management, Users window.

Ī	 C dink-030800 × C (S) 10.22.9.86/index.php?r= 	.72110	- 🗇 - 🖂 🗠 🖈
	ShareCenter Pro [™] _{byD-Li}		и 🖏 🖬 С 🥆
	ENGLISH 🛇		Welcome admin! Logout Shutdown 오 👎
	1 ☆	Account Management >> Users	
	 Status Disk Management Account Management Admin Password Users Groups Share Folders System Management Network Services Applications Backup Extension Pack 	Create Edit Delete Import Users Create User Name Group Name John Samples	Batch Search
Click Create Batch			
	Search		
			D-Link

Step 2: The welcome window appears. Click Next to continue.

Create Batch Users 1. Enter users' information. 2. Select users' group(s). 3. Select users' access rights. Next Cancel Previous Click Next to continue.

Step 3: This window allows you to create multiple users.

User Name Prefix Start Number	Enter the prefix of the users Enter the start number of the users.
Create Number	Enter the total number of the users.
Password	Enter the password of the users
Confirm Password	Retype the password
Overwrite duplicate Accounts	Tick the check box to replace duplicate accounts.
Set Quota	Tick the Set Quota check box to limit the storage capacity (in megabyte) for the user. The value of 0 means an unlimited quota size.

Click Next to continue

505 15 255 55		
User Information	n	
User Name Prefix:		
Start Number:	0	
Create Number:	1	
Password:		
Confirm Password:		
	accounts	
Quotas		
Quotas	MB	
Quotas		
Quotas		
Quotas	МВ	
Quotas		

Step 4:

This window is used to add the users to groups. If there is no entry in the list, you can go to **Account Management** > **Groups** to create groups.

- Search Enter the search keyword and click ^{SS} to search for the group. Click ^{SS} to clear the search field and all groups' information appears.
 - Add Tick the corresponding check box to add the users to the groups.
 - PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or
Last page (▲) to search for the group.
- **Refresh** Click The update the group list.

Click **Next** to continue.

Create Batch Us	ers		\otimes
Group List			
		Search	
Group Name			Add
Page 1 of 1	Ø [0]		No data to display
Pre	vious Next	Cancel	
	Click Next to c	ontinue.	

Step 5:

This window is used to assign access rights to the users for the corresponding share folder(s) to the share folders. If there is no entry in the list, you can go to **Account Management** > **Share Folders** to create share folders.

- Search Enter the search keyword and click ^{Search} to search for the folder. Click ^{Search} to clear the search field and all folders appear.
- **Read Only** Tick the check box for read only access right.
- **Read/Write** Tick the check box for both read and write access rights.
 - **Deny** Tick the check box for no access right.
 - Page
 Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (▲), Previous Page (▲), Next Page (▲) or Last page (▲) to search for the group.

Refresh Click To update the folder list.

Click Next to continue.

С	reate Batch	Users			\mathbf{x}
	Share Folder L	ist			
				Search	
	Share Name	Path	Read Only	Read/Write	Deny
	Reference Page 1	of 1 🕞 🕅 🤻	3		No data to display
	1	Previous	Next	Cancel	
		Click Ne	xt to contin	ue.	

Step 6:

This window displays a summary of the configured information.

Click **Previous** to modify the settings.

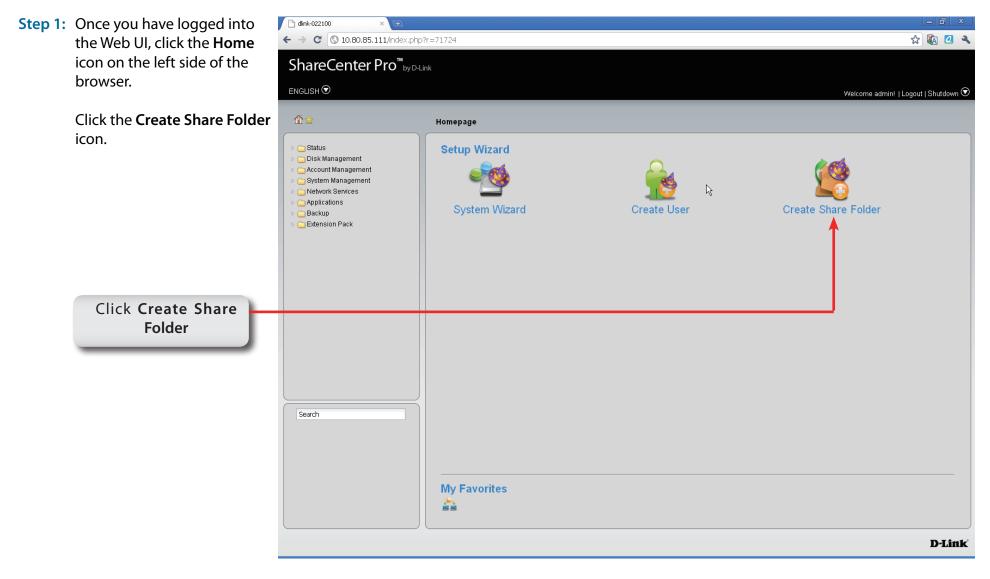
Click **Apply** to save the settings. Depending on the amount of users, the procedure may take a few hours.

User Name	State
UserBatch0	
UserBatch1	
UserBatch2	
Options Password	Settings
Password	
Password Group Name	Settings 45678
Password Group Name Quotas	Settings
Password Group Name Quotas Share Folder (RO)	Settings 45678
Password Group Name Quotas	Settings 45678

Chapter 7 - Software - Creating a Shared Folder

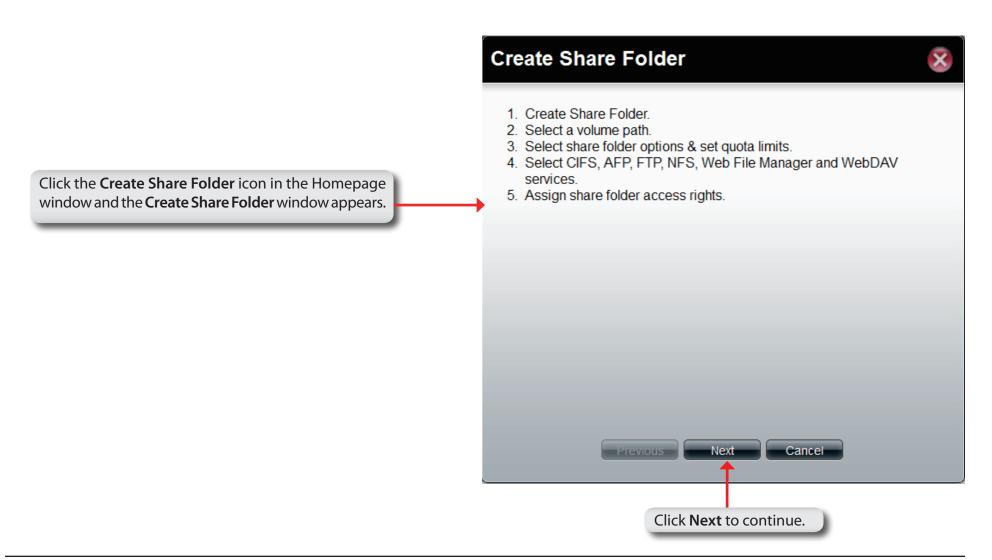
The D-Link ShareCenter Pro 1100-04 allows you to create shared folders for users to access. Let's take a look.

Software - Creating a Shared Folder



Create Share Folder

Step 2: The Create Share Folder introduction window appears. Click Next to continue.



Step 3:	Under Volume Path , click on the Select Path field to choose a folder.	Create Share Folder	
Step 4:	Choose the Volume you wish to use by double-clicking or click Create .	Volume Path Select Path:	
	Click the Select Path field to choose the path of a folder.	Share Folder Options Oplocks: Oplocks: Enable Map Archive: Enable Recycle Bin: Enable	
	Click Create	Create Create Previous Next Cancel	

Step 5: Enter a **Share Folder** name in the field provided and click **OK**.

Crea	te Share Folder	.`	
Volur	ne Path		_
Sha	Create New Share Folder In /Volume_2		
Oploc Map / Recyc	Please enter a new folder name: Sample		
Qu(-
9	OK Cancel		
	Previous Next Cance		

Step 6:	Once the Share Folder name is chosen, select one or all of the Share Folder Options .		Create S	hare Fol	der		×
			Volume Pa	ith			
			Select Path:		/Volume_2/Sample		
	Click the radio buttons to configure the folder options.		Share Fold	ler Options	;		
			Oplocks: Map Archive:	⊙ Enable ○ Enable			
		arantees made by a server for volume to its clients. These	Recycle Bin:	🔿 Enable	e 💿 Disable		
	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.		Quotas				
			Set Quota Quotas:	0	MB		
	Select Enable or choice.	Disable according to your		Previou	IS Next	Cancel	
				Freviou		Cancer	

Step 6: Map Archive: means that backed up data is kept in a file that lists what files were backed up and on what dates. It compares file modification dates and maps data to that archive.

		Create Share Folder			8
		Volume Pa	ath		
		Select Path:	/Volu	ume_2/Sample	
Click the Set Quota Megabytes	box and enter a number in	Share Fol	der Options		
		Oplocks:	💿 Enable	🔘 Disable	
		Map Archive:	🔘 Enable	💿 Disable	
		Recycle Bin:	🔿 Enable	⊙ Disable	
		Quotas			
		Set Quota Quotas:	o MB		
			Previous	Next Cancel	

Step 6:	Recycle Bin is: means the Share Folders car placed in the Recycle then a user cannot de Recycled Bin.	be deleted and Bin. If this is disabled					
			Create Sh	are Folde	r	×	
			Volume Pat	h			
			Select Path:	/Volu	ume_2/Sample		
Click the Set Quota box and enter a number in Megabytes		Share Folde	er Options				
_			Oplocks:	💿 Enable	🔿 Disable		
			Map Archive:	🔘 Enable	💿 Disable		
			Recycle Bin:	🔿 Enable	💿 Disable		
			Quotas				
			Set Quota Quotas:	омв	I		
				-			
				Previous	Next Cancel		

Step 7: Click the **Set Quota** check box and type the storage amount in megabytes.

Click Next to continue.

Select Path:	/Vol	lume_2/Sample	
Share Folde	er Options		
Oplocks:	💿 Enable	🔘 Disable	
Map Archive:	💿 Enable	🔿 Disable	
Recycle Bin:	💿 Enable	🔿 Disable	
Quotas			
Set Quota Quotas:	500 ME	3	

If setting a specific storage quota for the share folder, tick the **Set Quota** check box and enter the storage quota in megabyte (MB).

Create Share Folder - Select Service

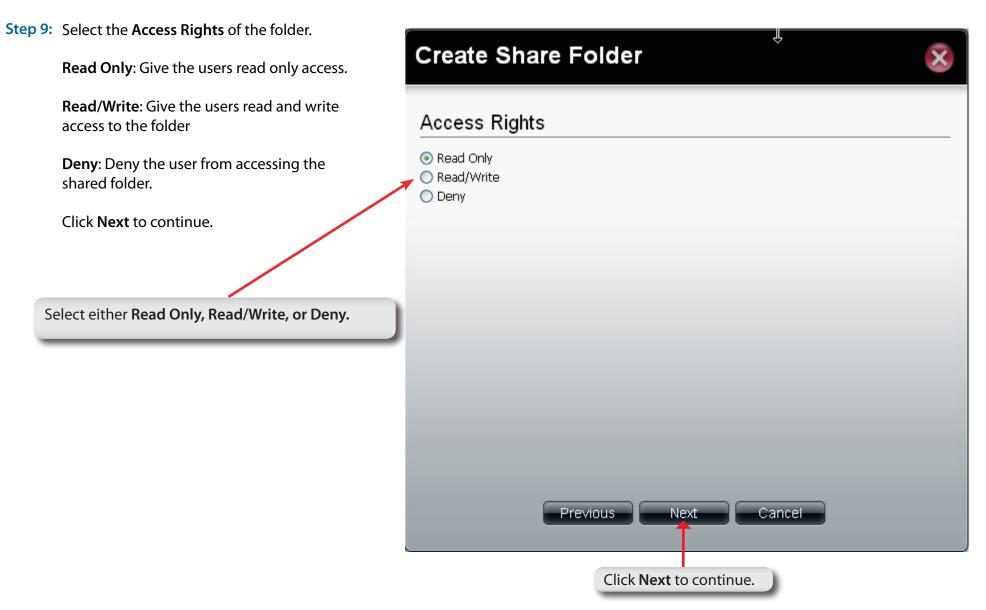
Step 8: Select the Service you wish to enable. There are six services: CIFS, AFP, FTP, NFS, Web File Manager, and WebDAV.

Create Share Folder				
Selece Service				
CIFS:	Enable	O Disable		
AFP:	Enable	Disable		
FTP:	Enable	Disable		
NFS:	Enable	Disable		
Web File Manager:	Enable	Disable		
WebDAV:	Enable	O Disable		
Prev	vious Next	Cancel		
	↑			
	Click Next to c	continue.		

Create Share Folder - Access Rights



Create Share Folder - Access Rights



Shared Folders

Step 10: The Summary window appears detail the events you just configured.

Summary Report

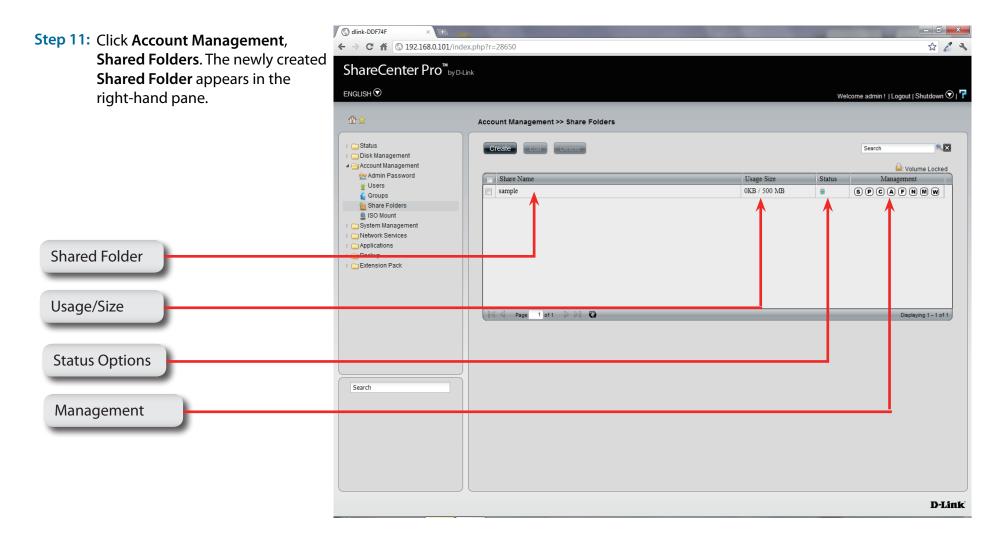
Click Apply when done.

Path	
Oplocks	/Volume_2/Sample Enable
Map Archive	Enable
Recycle Bin	Enable
Quotas	500 MB
Access Rights	Allow everybody read only

ക

D-Link ShareCenter Pro 1100-04 User Manual

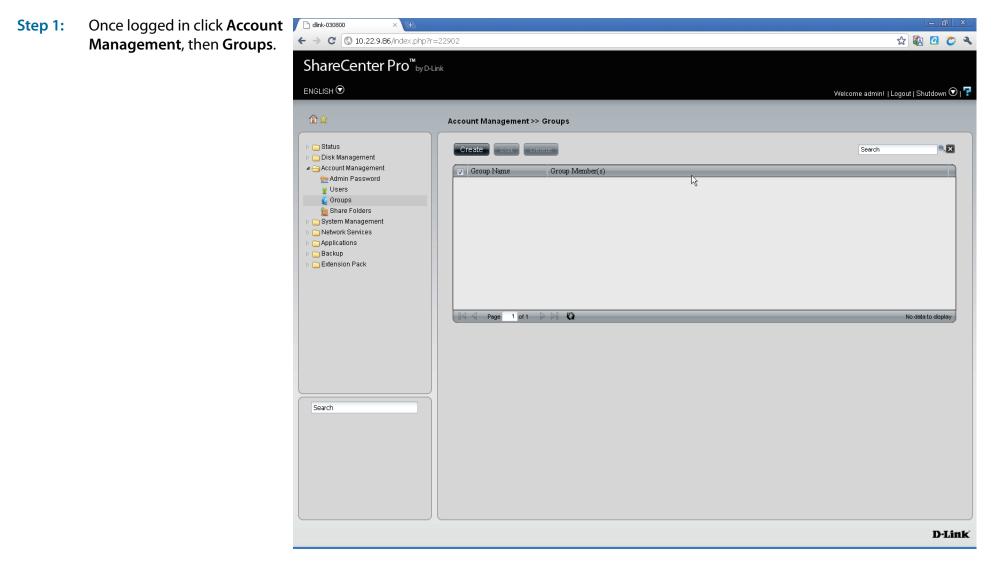
Create Share Folder - Summary



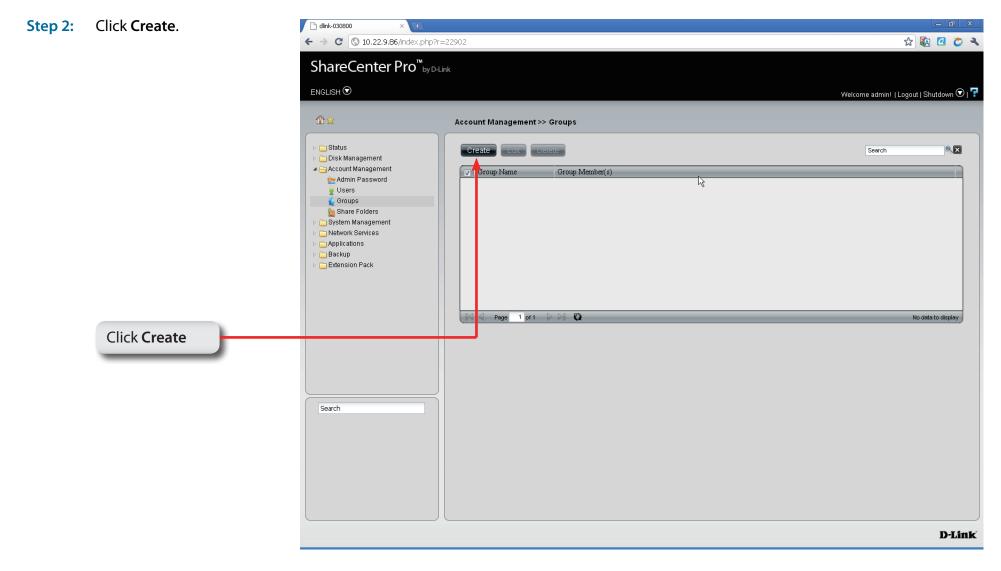
Chapter 8 - Software - Creating a Group

The D-Link ShareCenter Pro 1100-04 allows you to create groups for users/shared folders to access. Let's take a look.

Software - Creating a Group



Software - Creating a Group



Software - Creating a Group

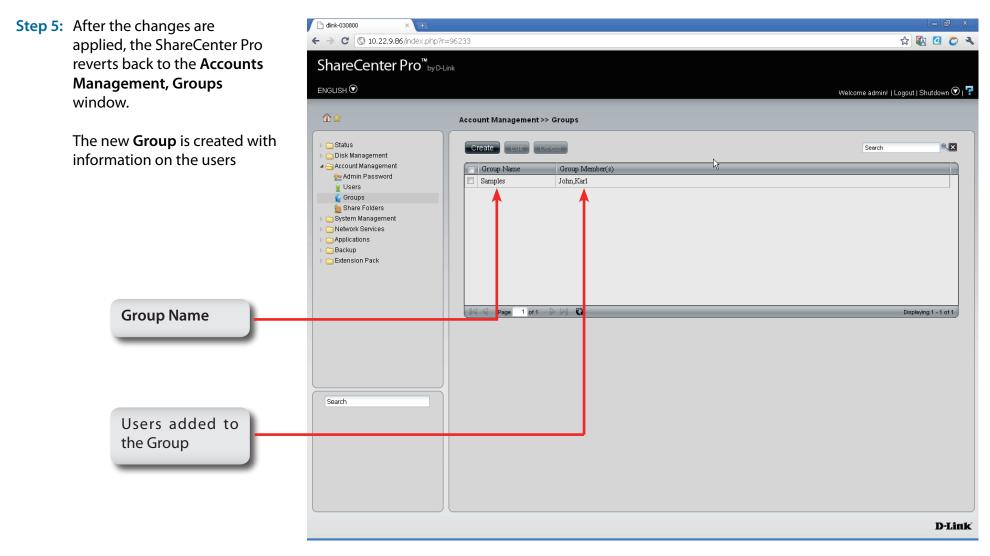
Step 3: Under **Group Name** type in the name of the

group and click Next	Create Group				
Enter a Group Name					
	Group Name: Samples				
	Previous Next Cancel				
	Click Next to continue				

Software - Adding Users to a Group

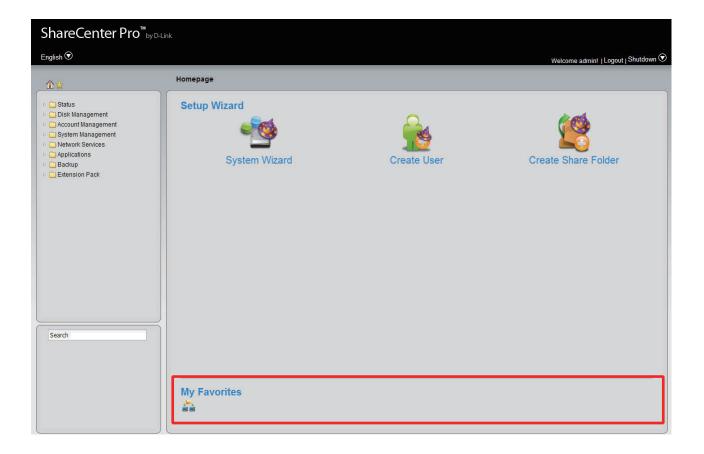


Software - Adding Users to a Group



My Favorites

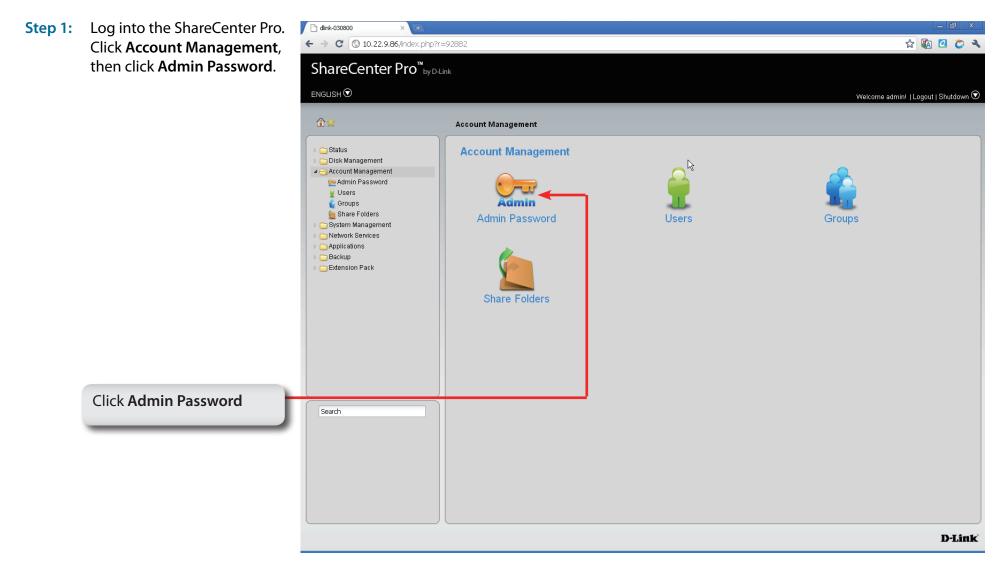
Click the 👔 (Homepage) icon to see the My Favorites field at the lower half of the window. To add a category in My Favorites, click an arrow key next to a folder icon to display all categories within the folder in the left window, and drag the category to the My Favorites field. To delete a category in My Favorites, drag the category in My Favorites field to the left window. Once the category is added to My Favorites, click the 📓 icon to see the category in the list. Click to directly link to the window of the category.



Chapter 9 - Software - Admin Password

The D-Link ShareCenter Pro 1100-04 allows you to create and change the Administrator Password. Let's take a look.

Software - Admin Password



Software - Admin Password

Step 2: Enter a Username, the original password. Then the New Password and retype that password again in the fields provided.

User Name Password New Password Confirm Password	Displays administrator's user i Enter the original password. Enter a new password. Retype the new password.	name. ↑ dlink-030800 × ↔ ← → C © 10.22.9.86/index.php?r ShareCenter Pro [™] by D- ENGLISH ☉			드 하 × ☆ 🐼 û で २ Welcome admini Logout Shutdown 🕑 루
Click Ap	Apply to continue.		Account Management >> Admin Pa	d Settings	
_					D-Link

Software - Admin Password

Step 3: A confirmation window appears to inform you that the changes have been saved.

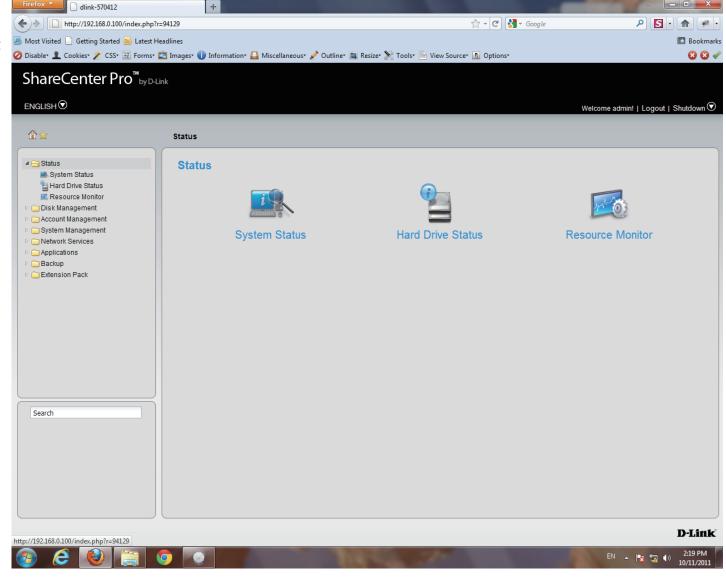


Chapter 10 - Software - System & Hard Drive Status

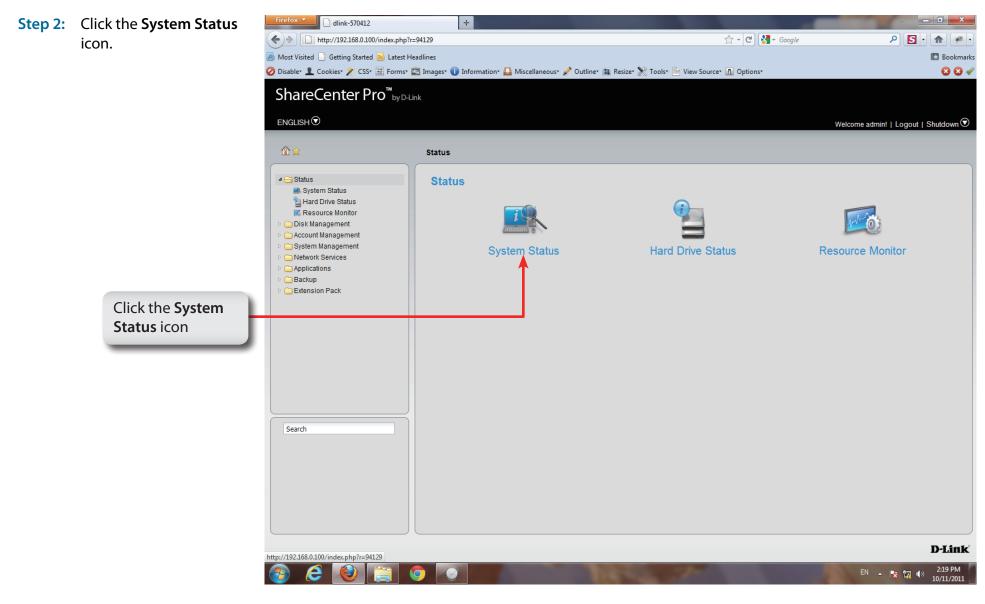
The D-Link ShareCenter Pro 1100-04 allows you to check the status of your machine through the web UI. Let's take a look.

Software - Status Management

Step 1: Click the Status Folder icon in the left pane of the ShareCenter Pro 1100-04. It reveals System Status, Hard Drive Status, and Resource Monitor.



Software - System Status



Software - System Status

Step 3: The Status, System Status information window pane provides Basic Information, LAN 1 & 2 information, Network Settings, and Date and Time Settings.

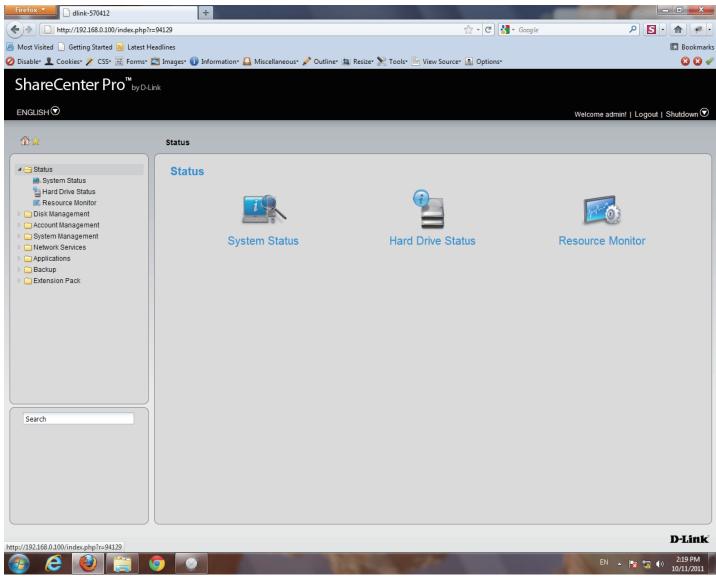
Basic Information	
Model Name:	ShareCenter Pro 1200
Current Firmware Version:	1.01b11
System Temperature:	33°C/91°F
LAN 1 Information	
MAC Address:	00:60:42:57:04:12
IP Address:	192.168.0.100
Subnet Mask:	255.255.255.0
Gateway:	192.168.0.1
LAN 2 Information	
MAC Address:	00:60:42:57:04:13
IP Address:	192.168.1.32
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
Network Settings	
Host Name:	dlink-570412
Primary DNS:	192.168.0.1
Secondary DNS:	
Default Gateway:	192.168.0.1
Date and Time	
Current Time:	14:24:25 10/11/2011
Current Time Zone:	(GMT+08:00) Taipei
Up Time:	0 day(s) 2 hour(s) 8 minute(s)
USB Disk Information (Left Port, f	rom rear of view)
Manufacturer:	ChipBank
Product:	SD/MM Reader Unmount
Size:	0.95 GB
Detail:	USBDisk1_1 File System: NTFS Unused size: 928.66 MB

System Status

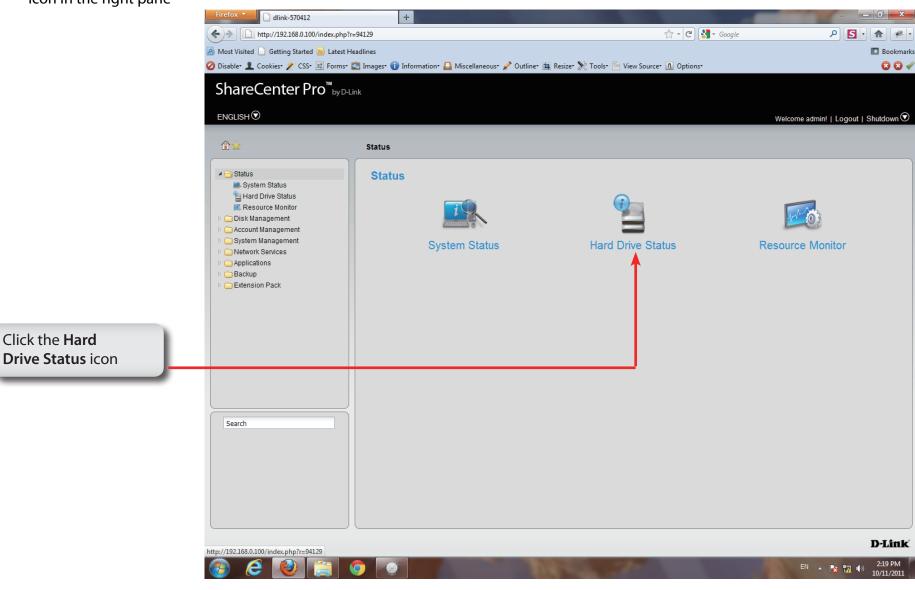
Basic Information	Displays the model name, current firmware version and current temperature of the ShareCenter Pro.
LAN Info	Displays the local network settings of the ShareCenter Pro
Network Settings	Displays the host name, and DNS information of the ShareCenter Pro
Date and Time	Displays the current date and time settings of the ShareCenter Pro.
USB Disk Information	Displays information for a connected USB printer, memory disk or UPS. Click the Unmount button to remove the device from the ShareCenter Pro.

Basic Information	
Model Name:	ShareCenter Pro 1200
Current Firmware Version:	1.01b11
System Temperature:	33°C/91°F
LAN 1 Information	
MAC Address:	00:60:42:57:04:12
IP Address:	192.168.0.100
Subnet Mask:	255.255.255.0
Gateway:	192.168.0.1
LAN 2 Information	
MAC Address:	00:60:42:57:04:13
IP Address:	192.168.1.32
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
Network Settings	
Host Name:	dlink-570412
Primary DNS:	192.168.0.1
Secondary DNS:	
Default Gateway:	192.168.0.1
Date and Time	
Current Time:	14:24:25 10/11/2011
Current Time Zone:	(GMT+08:00) Taipei
Up Time:	0 day(s) 2 hour(s) 8 minute(s)
USB Disk Information (Left Port, fr	rom rear of view)
Manufacturer:	ChipBank
Product:	SD/MM Reader Unmount
Size:	0.95 GB
Detail:	USBDisk1_1 File System: NTFS Unused size: 928.66 MB

Step 1: Click the Status Folder icon in the left pane of the ShareCenter Pro 1100-04



Step 2: Click the Hard Drive Status icon in the right pane



Step 3: This window displays the Vendor, Model name, Temperature, and Size of the hard disks installed in the ShareCenter Pro, along with the slot they are installed in.

Slot	Vendor	Model	Temperature (°C/°F)	Size
1	Western Digital	WDC WD6402AAEX	28/82	596.17 GB
2	Hitachi	Hitachi HDP725050	27/81	465.76 GB
3	Western Digital	WDC WD3000HLFS	24/75	279.46 GB
4	Western Digital	WDC WD5000AVJS	28/82	465.76 GB
5	-	-	+	-

Step 4: Double-click each hard drive to view the S.M.A.R.T. information

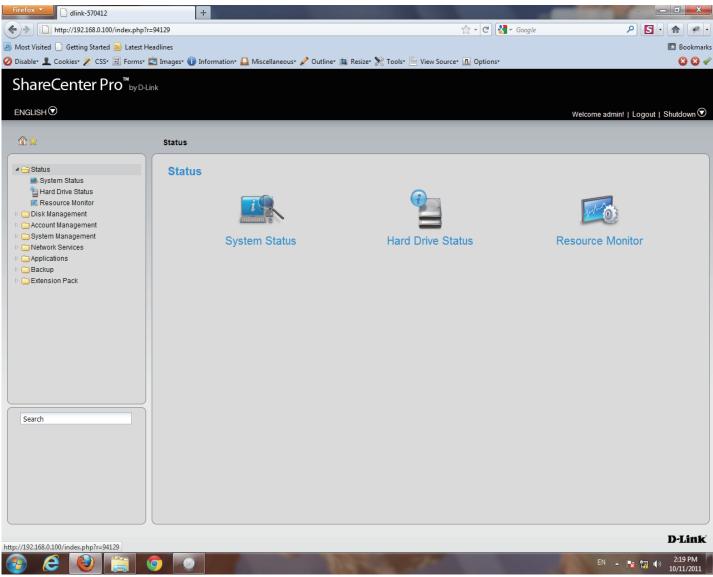
The **S.M.A.R.T. information** for the selected hard drive is displayed. Click the **Close** button to go back to the Hard Drive Status window.



	Information
SWARI	Intormation
O	

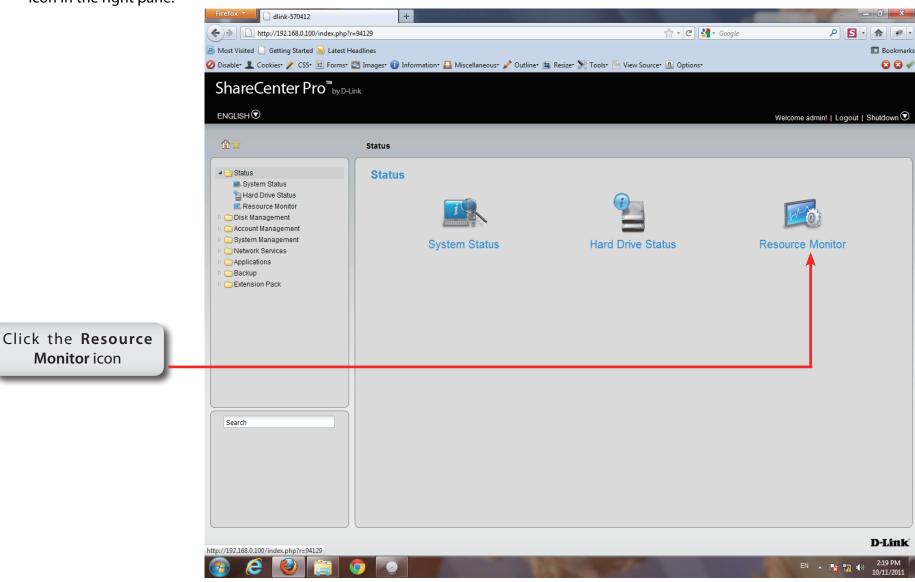
Name	Now	Worst	Thresh	Value
Raw Read Error Rate	99	99	14	131072
Throughput Performance	100	100	44	0
Spin Up Time	116	116	20	330
Start Stop Count	100	100	0	857
Reallocated Sector Ct	96	96	5	228
Seek Error Rate	100	100	55	0
Seek Time Performance	100	100	16	0
Power On Hours	100	100	0	1384
Spin Retry Count	100	100	48	0
Power Cycle Count	100	100	0	609
Power-Off Retract Count	100	100	0	889
Load Cycle Count	100	100	0	889
Temperature Celsius	153	153	0	39
Reallocated Event Count	92	92	0	322
Current Pending Sector	100	100	0	0
Offline Uncorrectable	100	100	0	0
UDMA CRC Error Count	200	200	0	114

Step 1: Click the Status Folder icon in the left pane of the ShareCenter Pro 1100-04



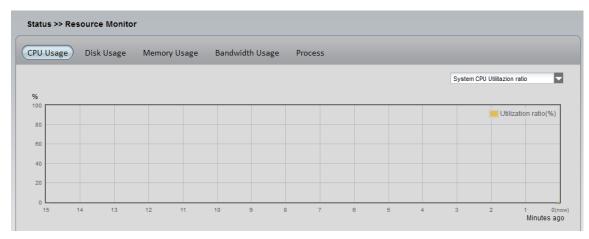
Step 2: Click the Resource Monitor

icon in the right pane.



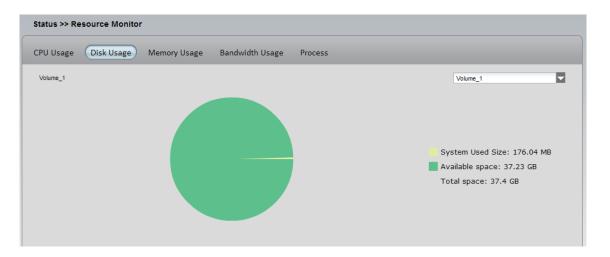
Step 3: Another Status utility is the Resource Monitor. It has five informational screens: CPU Usage, Disk Usage, Memory Usage, Bandwidth Usage, and Process.

CPU Usage Shows what percentage of data is being used for the CPU.



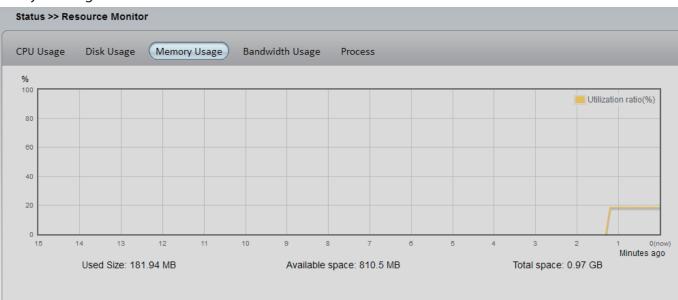
Disk Usage Shows the used space, the available space, and the total space.

The iSCSI Target Used Size will be displayed when iSCSI LUNs are created



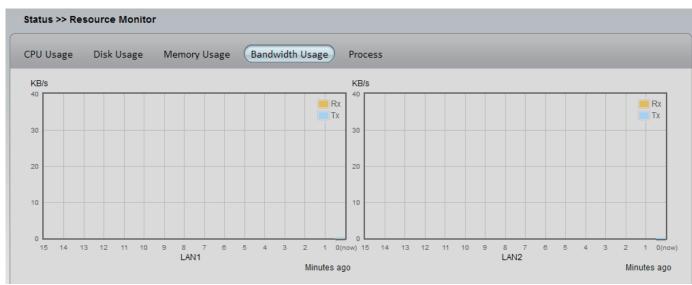
Step 4: Memory Shows how much memory is being consumed.

Usage



Bandwidth Shows data transfer on 2 LAN ports.





Step 5:

Process This table shows **PID**, **User**, **Memory**, **CPU Usage**, and **Command data information**.

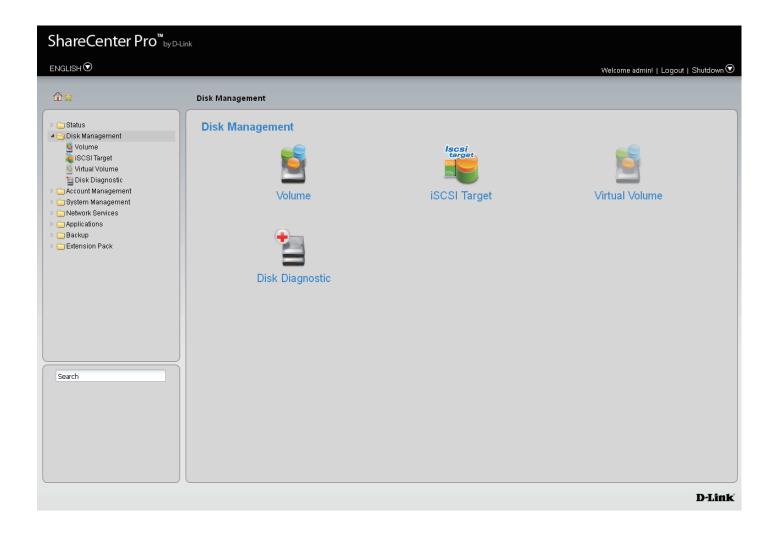
VU Usage	Disk Usage	Memory Usage B	andwidth Usage Proce	255	
PID	User	Memory	CPU Usage	Command	
864	root	4512 kB	5.71%	xmldb	
2151	root	1568 kB	2.86%	pidstat	
1	root	1344 kB	0%	init	
872	root	1376 kB	0%	up_read_daemon	
873	root	1504 kB	0%	up_send_daemon	
874	root	1568 kB	0%	fancontrold	
942	root	1728 kB	0%	dhcp_handler	
1491	root	1856 kB	0%	polling_disks	
1492	root	1504 kB	0%	polling_smart	
1529	root	960 kB	0%	udhepe	
1653	root	1504 kB	0%	matrixtunnel	
1720		1569.10	09/	-1	

Chapter 11 - Software - Disk Management

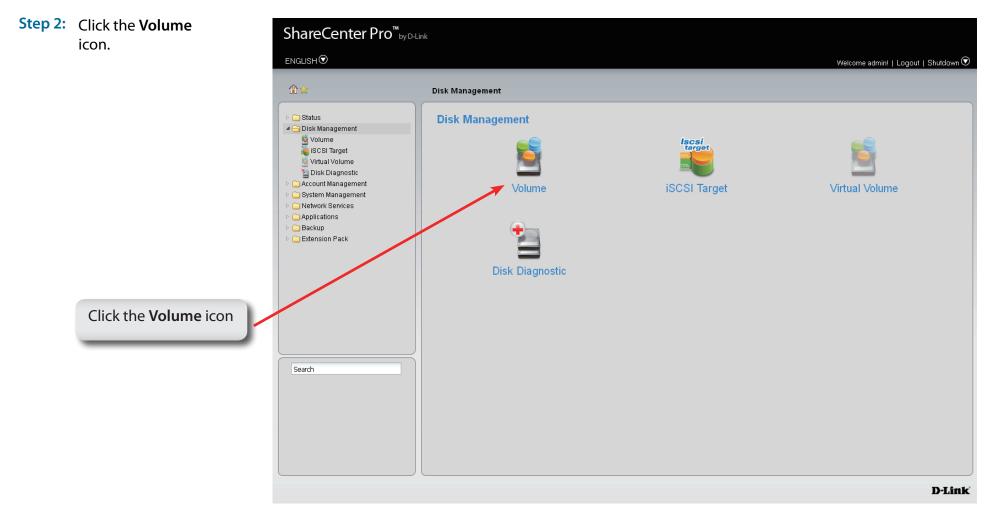
The D-Link ShareCenter Pro 1100-04 allows you to manage various aspects of the machine - primarily the disks. Let's take a look.

Software - Disk Management

Step 1: Click the Disk Management Folder icon in the left pane of the ShareCenter Pro 1100-04



Software - Disk Management



Software - Disk Management - Volume

Step 3: When you click a volume the ShareCenter Pro 1100-04 provides different volume configuration types. Click a volume and the choices are alight.

Create	Click this button to create a new volume .
--------	---

- **Delete** Click this button to **delete a volume**.
- **Extend**/ Click to add a hard drive(s) to extend a volume, or
- **Spare** set a spare for a volume
- Migrate Click to change the **RAID level** of a volume.
- **Expand** Click to enlarge a volume by replacing one of the existing hard drive with a larger capacity hard drive.
- Unlock Click to unlock an encrypted volume
- EncryptionClick to configure the encryption
settings of the volume.
- Auto Rebuild Click to enable or disable the auto-rebuild function.

Volume 1		Market Contraction of the Contra	Encryption	Disk(s)	Used Size / Total Size
volume_1	RAID 5	Normal	Enabled, Unlock	1, 2, 3, Spare (4)	197.7 MB / 548.15 GB
Volume_50	Standalone	Normal	Disabled	1	194.83 MB / 311.73 GB
Volume 51	Standalone	Normal	Disabled	2	187.45 MB / 183.37 GB

Software - Disk Management - Creat a Volume

- Step 4: Click Create to create a new volume. The following choices are provided.
 - **Standalone** Standalone requires only one hard drive in the array. Each hard drive is its own volume.
 - JBOD JBOD requires a minimum of two hard drives, concatenates the hard drives in a linear fashion, and creates one large volume geared towards maximum available space.
 - **RAID 0** RAID requires a minimum of two hard drives. The data is stored in a striped fashion and geared towards maximum available space and performance. CAUTION: RAID 0 does not provide data redundancy.
 - **RAID 1** RAID 1 requires a minimum of two hard drives and mirrors the hard drives for data redundancy.
 - **RAID 5** RAID 5 requires a minimum of three hard drives and provides data striping with distributed parity.
 - **RAID 6** RAID 6 requires a minimum of four hard drives, and stripes data and double-parity information across all of the member drives.
 - Array Tick the check box to select the corresponding hard drive to be part of the volume.
 - **Spare** Tick the check box to select the corresponding hard drive as a spare for the volume.

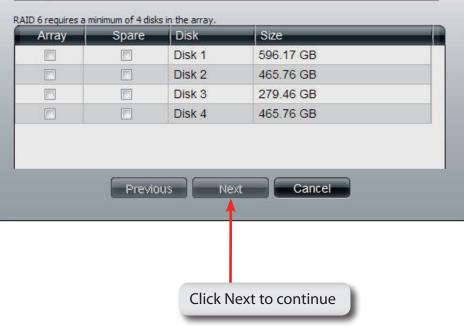
Create Volume



RAID Level

O Standalone	Single hard drive.
O JBOD	Concatenate hard drives.
O RAID 0	Disk array with best performance.
O RAID 1	Mirror disk array.
O RAID 5	Disk array with single fault tolerance.
RAID 6	Disk array with double fault tolerance.

Disk(s)



Software - Disk Management - Create a Volume

Step 5: Optional settings available are:

Auto-rebuild	Click the radio buttons to enable or disable auto- rebuild setting. Only RAID 1, RAID 5 and RAID 6 can configure this setting.	
Encryption	Click the radio buttons to enable or disable encryption settings.	
Password	When encryption is enabled, enter a password in the field. A minimum of 5 digits is required.	
Confirm Password	Retype the password in the field.	
Auto Unlock	Tick the check box to automatically unlock the volume when the system starts.	
USB Key	Tick the check box to save the password to a USB drive.	

Create Volume - Settings

```
x
```

Settings

Auto-rebuild:	O Enable 💿 Disable
Encryption:	O Enable O Disable
Password:	
Confirm Password:	
📃 Auto Ur	nlock
🔲 USB Ke	¥
unlock encry to the NAS, t correspondi	Store the password on a USB drive. This can be used to opticate volumes in the future. When USB drives are connected the system checks the password on it and unlocks the ng encrypted volume with that password. To use this feature, nnect the USB drive before creating the volume.
	Click Apply to save the changes

Software - Disk Management - Create a Volume

Step 6: A warning message appears before starting to create the volume.

Click Yes to continue.



The volume is being created. The status bar displays the percentage of completion in real time. Once the volume is created successfully, the **Volume** window appears.

Create Volum	e	
	Creating volume 10%	

Software - Disk Management - Extend/Spare a Volume

- Step 7: Click a volume and the Extend/Spare button to see the following window.
- Array Tick the check box to extend the volume.
- Spare Tick the check box to select the disk to be a spare disk.
- **Disk** Displays the **configured disk number**.
- Size Displays the size of the hard disk.

Note: Only JBOD, RAID 0/1/5/6 supports volume extensions and only RAID 1/5 and 6 supports spare disk settings.

Extend/	Extend/Spare Volume				
Array	Spare	Disk	Size		
		Disk 4	465.76 GB		
The state of Volu	me_1 is Normal	, and it is configu Apply	red with Disk 1, Disk 2, Disk 3, Disk 4.		

Software - Disk Management - Migrate a Volume

Step 7: Click a volume and the Migrate button to see the following window.

The windows allows you to change the **RAID level** of the volume. Choose a **RAID level** and select the hard disks to be used in the migration.

The wizard allows you to change the volume **RAID** level. Choose a **RAID** level and select the hard disks to be used in the migration.

To migrate a volume to another **RAID** level, the ShareCenter Pro requires a volume's disk array and one or more unused disks to do the migration. The ShareCenter Pro software will extend the volume capacity after the migration is complete.

Migration can only take place in the following instances:

Standalone to JBOD Standalone to RAID 0/1/5/6 RAID 1 to JBOD RAID 1 to RAID 0/5, and 6

Click OK to save the settings.

RAID Le	evel	
JBOD		Concatenate hard drives.
C RAID 0		Disk array with best performance.
O RAID 1		Mirror disk array.
🔿 RAID 5		Disk array with single fault tolerance.
C RAID 6		Disk array with double fault tolerance.
Disk(s)	Disk	Size
Array	Disk Disk 1	Size 279 46 GB
		Size 279.46 GB 596.17 GB
Array	Disk 1	279.46 GB

Click OK to save the

changes

Software - Disk Management - Expand a Volume

Step 8: 1. To expand a volume you need several larger capacity hard drives.

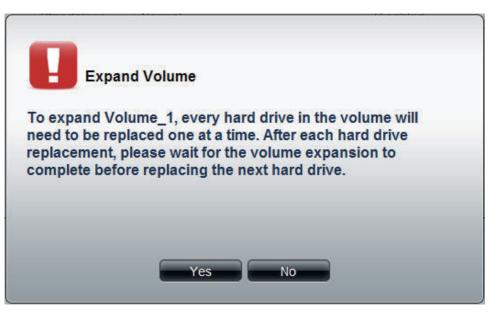
2. Replace all the disks of this volume with larger disks, one at a time.

3. Once you have replaced each disk, it takes a while for the volume to recover.

4. Once the disks of the volume is replaced, ShareCenter Pro extends the volume capacity.

ONLY RAID 1, 5 and RAID 6 supports volume expansion.

Click the **Expand** button to see the following window.



Click Yes, to continue.

Follow the instruction in the State column to expand the Volume.

olume_1 RAID 1 Expand, <u>Insert a larger disk now.</u> Enabled, Unlock 3 191	91.05 MB / 274.08 GI
olume_1 RAID 1 Expand, <u>insert a larger disk flow.</u> E labled, officer 5 191	91.03 MD7 274.00

Disk Management - Change the Encryption Settings

Step 9: Click the Encryption button to see the following window.

The **Encryption** window appears and there are four tabs in the window. This window displays the settings in the **Change** tab.

	Tick the check box and enter the new password
Password	in New Password and Confirm Password fields.
Auto Unlock	Tick the check box to automatically unlock the volume when the system starts.
USB Key	Tick the check box to save the password to a USB drive.

Encryptio	n		$\overline{\mathbf{X}}$
Change Sa	ive Load	Mail	
Change Passwork New Passwork			
Confirm Password:			
Auto Unlock	Apply	Cancel	
CI	ick OK to sa changes		

Disk Management - Change the Encryption Settings

Step 10: This window displays the setting in the Save tab.

Click Save to save the password to local.



Step 11: This window displays the setting in the **Load** tab.

Load Click the Browse button to locate the path of the password password that is saved to the local computer. from local

Click the **Load** button to get the password from local to unlock this volume.

Encryp	tion				×
Change	Save	Load	Mail		
Load password	from local.			Browse	
		Load	Car	icel	

Disk Management - Change the Encryption Settings

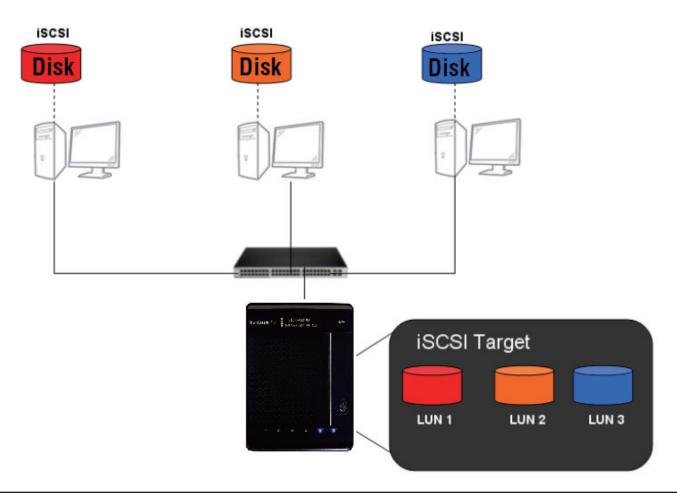
Step 10: This window displays the setting in the Mail tab.

Click Mail to send the password to the administrator.

Encrypt	ion		\otimes
Change	Save	Load	Mail
Mail password to	administrato	or.	
		Mail	Cancel
	C	lick Mai	

iSCSI Target

Your ShareCenter NAS supports multiple iSCSI targets and logical unit numbers (LUN) for storage expansion and backup destination of servers. Before applying an iSCSI LUN, make sure at least one iSCSI LUN has been created on the NAS. iSCSI is a Client-Server based protocol, except that the client process requesting data is called an "initiator" and the server process serving the data is called a "target". In an iSCSI implementation, the storage that is offered by the target appears as local disk to the initiator. The client can make block-based operations on that storage. Since this involves formatting the disk, partitioning, creating a file system on the disk, no more than one initiator can have read/write access to the specific iSCSI device at a time. However, it is possible that you can mount a iSCSI device as read-only on multiple initiators.



Things to know before we start

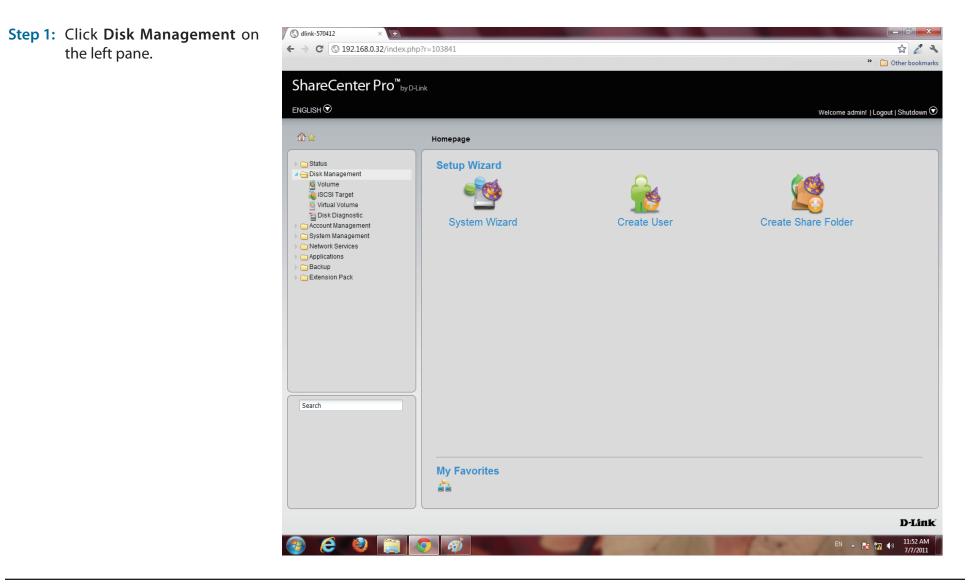
Between your computer and your storage device lies an initiator. Its called this because it initiates a connection to the device called a target. Do not connect 2 different clients to the same iSCSI target at the same time. This will lead to data loss and system crash.

Create an iSCSI Target using the iSCSI Manager

Login to your ShareCenter Pro 1100-04 as an administrator. Follow the instructions on the next page.

iSCSI Target - iSCSI Manager

The iSCSI Target should not be confused with iSCSI which is a protocol, iSCSI Target is a storage server instance. iSCSI is a dedicated network connected hard disk storage device, like the DNS-1100-04. The 1100-04 provides distinct iSCSI targets for numerous clients.



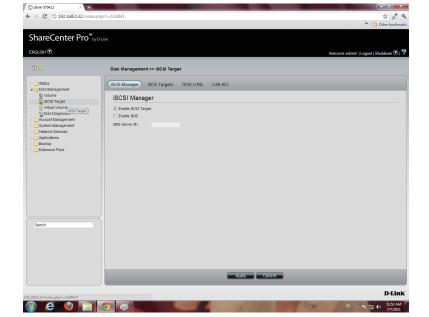
Step 2: Click iSCSI Target.

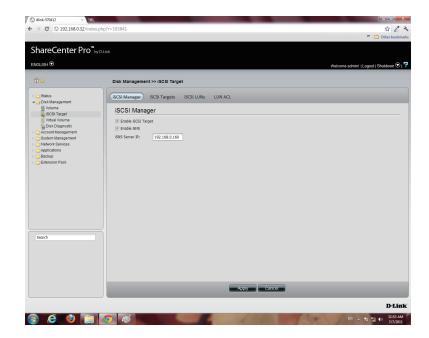
The right pane displays the iSCSI Manager.

Step 3: Click the **Enable iSCSI Target** checkbox to enable this function.

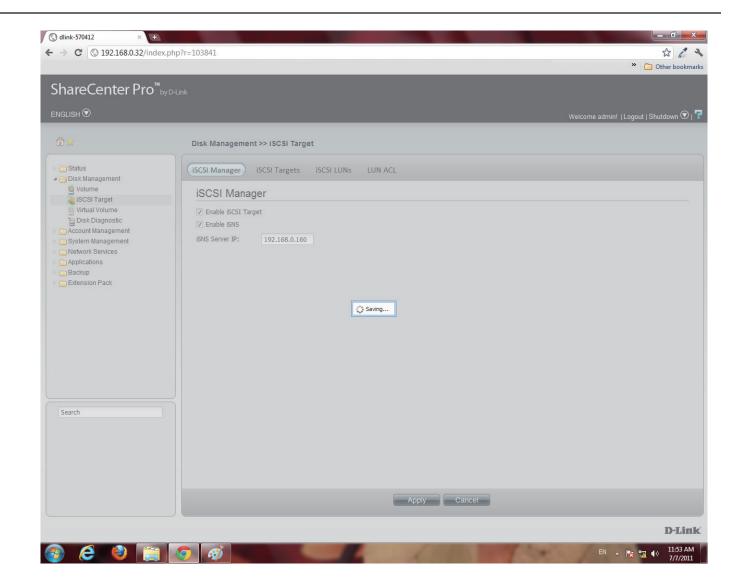
Click Enable iSNS and enter the iSNS server IP address.

Click Apply to continue.





Step 4: The program saves all configurations.



iSCSI Target - iSCSI Targets

Step 1: Click **Disk Management** under the main category window.

Click iSCSI Target, then the iSCSI Targets button

Click Create.

NB: In order to run this, you must enable iSCSI Target under iSCSI Manager.

🔇 dlink-570412 × 🛨	
← → C ③ 192.168.0.32/index.php	-
	Other bookmark
ShareCenter Pro [™] _{byD-L}	ink
ENGLISH 🔊	
	Welcome admini Logout Shutdown 🛇
1 ☆	Disk Management >> iSCSI Target
▷ 🛄 Status ▲ 😋 Disk Management	ISCSI Manager (ISCSI Targets) ISCSI LUNS LUN ACL
SCSI Target	Create Edit Delete Details
Virtual Volume Disk Diagnostic	IQN Status
Count Management System Management	
Network Services	
 Applications Backup 	
Extension Pack	
	III I Page 1 of 1 D DI 🔞 No data to display
Search	
	D-Link
🚳 🙆 🎱 🚞 🛛	🧿 🚳 EN - Rt 湿 🕪 11:54 AM

Step 2: The Create iSCSI Target window opens.

Under the **iSCSI Target Settings** enter a name for the **iSCSI Target**. The name will be the suffix of this target's **iSCSI Qualified Name** (IQN).

IQN is the acronym used to recognise this iSCSI Target. On the ShareCenter Pro, it will be constructed to "iqn.2010-01.com.dlink:" + the device's hostname + ":" + enter the name here. Check the No or Yes radio button to disable or activate CHAP services

Enter a name and password for CHAP services.

Create iSC	SI Target	×
iSCSI Targe	et Settings	
Name:		
IQN:	iqn.2010-01.com.d-link:dlink-570412:	
Enable CHAP:	No	
Name:		
Password:		
	Previous Next Cancel	

CSI Targ	et Settings	iSCSI Targ	get Settings	
me:	machine_87	Name:	machine87	
	The iSCSI target name should be 0-9, a-z or -,: Please check it.	IQN:	iqn.2010-01.com.d-link:dlink-570412:machine87	
4:	iqn.2010-01.com.d-link:dlink-570412:machine_87	Enable CHAP:	No	
ble CHAP:	No	Name:	level_42	
ne:	level_42	Password:	••••••	
sword:	•••••		CHAP Password should be between 12 to 16 characters.	

Note: The **iSCSI Target** name can contain numbers, letters of the alphabet and some symbol like dash '-', colon ':' and dot ".

Note: The **CHAP** name must be between 1 to 8 characters. The **CHAP** password must be between 12 to 16 characters. Both of them can accepts English letters, numbers, and underscore '_'.

Note: Both CHAP name and password can accepts English letters, numbers, and underscore '_'

Step 3: Enter the appropriate fields.

Click **Next** to continue.

Create iSC	CSI Target	×
iSCSI Targ	jet Settings	
Name:	machine87	
IQN:	iqn.2010-01.com.d-link:dlink-570412:machine87	
Enable CHAP:	No	
Name:	level_42	
Password:	••••••	
	Previous Next Cancel	

Step 4: Select None, if you do not wish to create LUN Mapping here

Click Apply.

Map the LUNs to this iSCSI target. You can specify the iSCSI LUN to map, or just create an iSCSI Target.

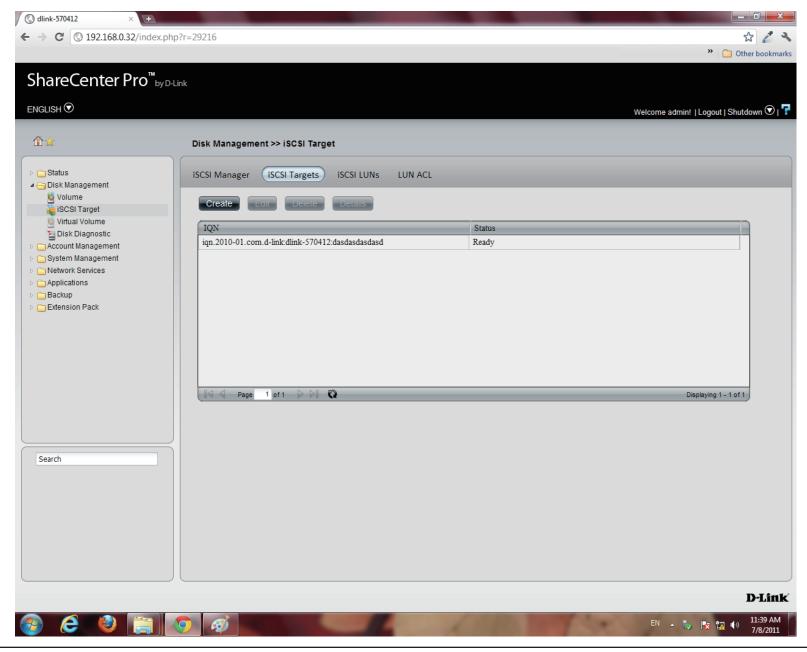
NB: iSCSI Target must map one iSCSI LUN at least.

- 1. None: no map LUN to this target. You can map it later.
- 2. Create a New LUN: create a new LUN and map it to this iSCSI target.
- 3. Map Existing LUNs: map existing LUNs to this target.

Create iSCSI LUN Mapping	
 None Create a New LUN Map Existing LUNs 	
Name	Size
I ≤ Page 1 of 1 > > I <	No data to displa

Step 5: The newly created iSCSI Target appears in the **iSCSI Target table**.

The connection status will show in the "Status" column.

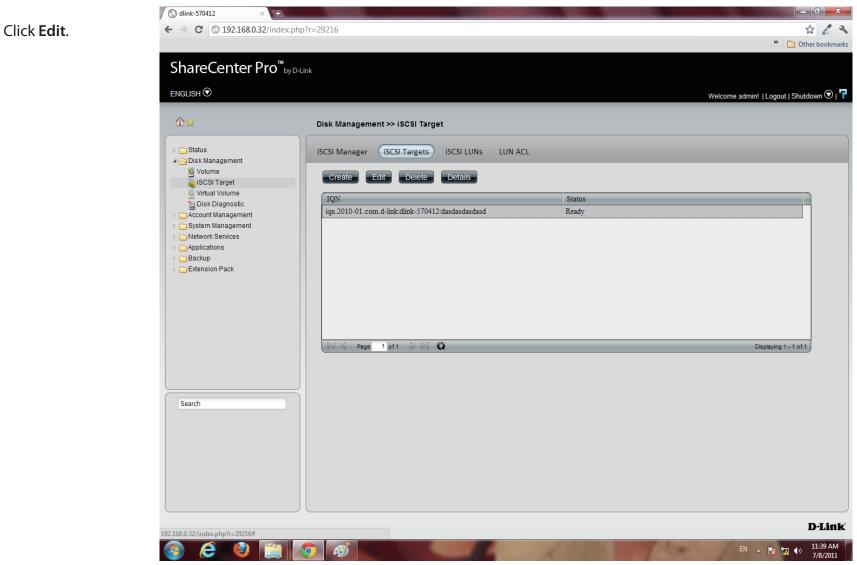


iSCSI Target - Editing iSCSI Targets

Follow these instructions to edit an iSCSI Target.

Step 1: Under iSCSI Targets, click the iSCSI Target entry you

wish to edit.



Step 2: The Edit iSCSI Target window appears. Editing the iSCSI Target Settings is limited to the CHAP settings.

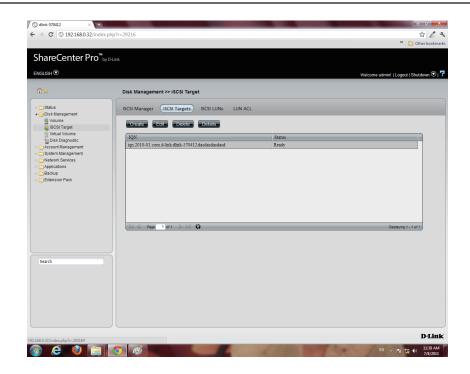
Choose to **enable** or **disable CHAP** settings or change the **CHAP** name and password settings.

Step 3: The next window asks you to edit the iSCSI LUN Mapping.

You can re-map any existing LUN to this iSCSI target. If this window doesn't show any data, go to iSCSI LUNs to create a new one.

Name:	dasdasdasd	
IQN:	iqn.2010-01.com.d-link:dlink-570412:dasdasdasdas	d
Enable CHAP:	⊙ No ◎ Yes	
Name:	abc	
Password:	•••••	
	Previous Next Cancel	
Edit iSCS	l Target	
	i laiget	
	LUN Mapping	
	,	ize
Edit iSCSI	,	ize

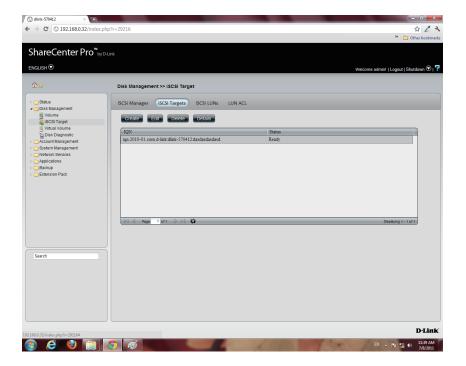
Step 4: The iSCSI Targets window returns to the table.



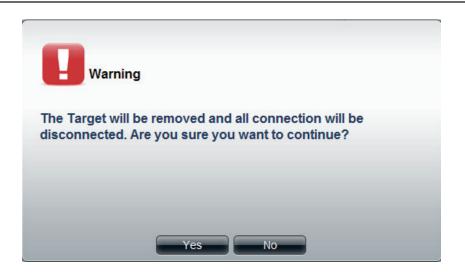
iSCSI Target - Deleting iSCSI Targets

Follow these instructions to delete an iSCSI Target.

Step 1: Select the iSCSI Target



Step 2: The Warning message indicates that the iSCSI Target will be deleted.



Step 3: The items in the iSCSI Targets table no longer exists.

dlink-570412 × +		
→ C	x.php?r=29216	<u>አ</u>
		» 🛅 Other bo
nareCenter Pro™	by D-Link	
LISH 🛇		Welcome admin! Logout Shutdown
		Treasure danse. [25]par[ontdann
	Disk Management >> ISCSI Target	
Status Disk Management	ISCSI Manager ISCSI Targets ISCSI LUNS LUN ACL	
Volume SCSI Target	Create Lot Delete Details	
Virtual Volume Virtual Volume Virtual Volume	IQN Status	
Account Management System Management		
Network Services		
Applications Backup		
Extension Pack		
	4 4 Page 1 of 1 ▷ ▷ 🖏	No data to display
arch		
		D-1
		EN
e 🎱 🚞		EN 🔺 🔯 🖏 🐠 👫

iSCSI Target - Details of an iSCSI Targets

C dink-570412 ×
← → C (© 192.168.0.32)

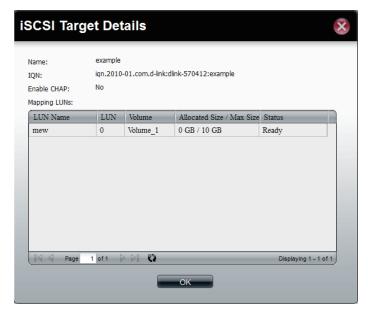
Follow these instructions to view details of an iSCSI Target.

Step 1: Select the iSCSI Target.

Starse Development of the starse of the star

\$ 2 3

Step 2: Click the Details button to show all details on the iSCSI Target.



iSCSI Target - iSCSI LUN

Introduction:

In an iSCSI environment, LUNs are essentially numbered disk drives. An initiator negotiates with a target to establish connectivity to a LUN; the result is an iSCSI connection that emulates a connection to a SCSI hard disk. The LUN can be created using the following two methods.

Thin provisioning:

The space is allocated only when needed. Advantages of Thin Provisioning on the ShareCenter Pro. With thin provisioning, you can flexibly allocate the disk space (on iSCSI LUN) to the server applications to expand the storage capacity anytime regardless of their current storage size. The adding of the storage space on the servers can be easily done on different operation systems by the iSCSI initiator. Thin provisioning allows efficient storage management since the system administrator has to monitor only the storage capacity of one single server (ShareCenter Pro) rather than extra hard drives or tapes on other sub-storage systems. Over-allocation is allowed since the storage capacity of the NAS can be expanded.

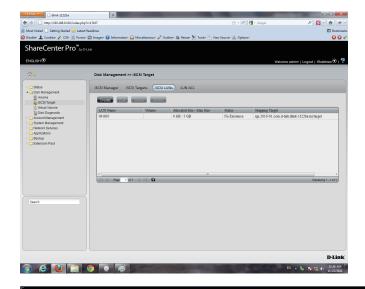
Pre-Allocate:

The space will be allocated now. If you create a 50 GB LUN, then 50 GB will be immediately reserved for that LUN. (Note that the creation will also take more time because of that process).

Step 1: Click Disk Management, iSCSI Target

Click the **iSCSI LUN** button to see the **LUN** configuration.

Click the Create button to start to create an iSCSI LUN.



Step 2: Enter the basic iSCSI LUN settings

Name: The LUN name, you can use English letters, numbers and some symbols like dash'-', colon':' and dot".

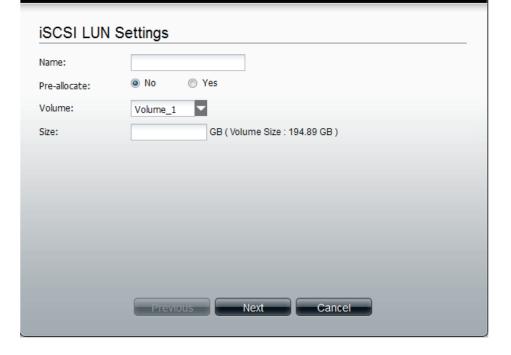
Pre-allocate: Select "Yes" to allocate volume space as the iSCSI LUN needs; Select "No" to do Thin Provisioning. This has been introduced in a previous section.

Volume: This is the Volume where the iSCSI LUN will be stored.

Size: The size of the iSCSI LUN is in Gigabytes. If you choose Pre-allocate as "Yes", you can enter a size from 1 to the maximum free size of the volume. Otherwise, you can enter a size from 1 to the volume size. The upper bound of the possible maximum LUN size is 2043 GB.

Click Next to continue.

Create iSCSI LUN



Step 3: Specify an **iSCSI Target** to map from the iSCSI LUN you just created.

None: no iSCSI Target will be mapped to this LUN.

Create a **New Target:** Create a new **iSCSI Target** in the next step, and this LUN will be mapped to it.

Map Existing Target: This maps this LUN to an iSCSI Target that has been created before.

ate iSCSI LUN eate iSCSI LUN Mapping	8
lone Treate a New Target Iap Existing Target	
IQN	Status
iqn.2010-01.com.d-link:dlink-1122ba:mytarget	Ready
Page 1 of 1 🕞 🖓	Displaying 1 - 1 of 1
Previous Apply	Cancel

Step 4: Enter the basic **Target** settings.

In the Name field, enter the suffix of the Target's IQN.

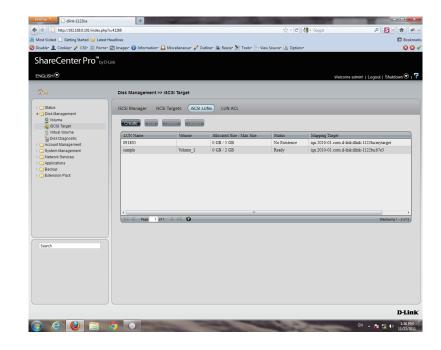
Under **Enable CHAP**, select **Yes**, if you wish to have authentication to login to the **Target**. Click **No**, if you do not want authentication.

In the Name field, enter the CHAP name.

In the **Password** field, enter the **CHAP** password.

Create ISC	SILU				×
Create a Ne	ew Targe	t			
Name:					
IQN:	iqn.2010-	01.com.d-link:	dlink-1122ba:		
Enable CHAP:	No	Yes			
Name:					
Password:					
	Prev	ious	Apply	Cancel	
	Piev		Арріу	Cancer	

Step 5: The new iSCSI LUN shows up in the iSCSI LUN table.



Edit an iSCSI LUN

Step 1: Select an iSCSI LUN.

Click the edit button

Change the **LUN** size if the LUN is in **thin-provisioning** settings



Step 2: Change the LUN Mapping settings here.

Click **Apply** to save settings.

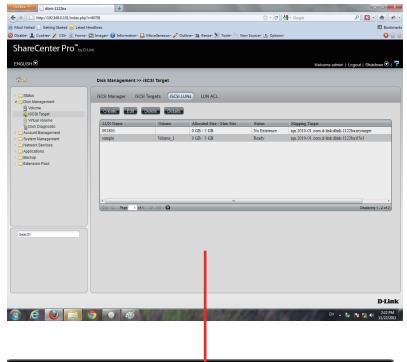


View details of an iSCSI LUN

Step 1: Select an iSCSI LUN.

Click the **Details** button

The **Details** window shows the basic settings of an **iSCSI LUN** and its **ACL** settings in the **ACL** table.



Name:		sample			
Pre-allocate:		No	4		
Volume:		Volume_1	•		
Allocated Size / M	lax Size:	0 GB / 3 GB			
Status:		Ready			
Mapping Target:		iqn.2010-01.com.d-link:dlink-11	22ba:67e3		
LUN:		0			
ACL Name	Initiato	or Name	Read Only	Read/Write	Deny
Default-Policy				V	
sample	samplei	iqn			

iSCSI Target - LUN ACL

LUN ACL(LUN Access Control List) defines the access permission for the initiators to the LUNs. When you need to create an access control rule for an initiator, you need to create a new LUN ACL for it to operate. The Default Policy will be applied if the initators are not on the list. The Default Policy is read/write in iSCSI LUN. You also can edit the Default Policy to Read Only or Deny.

Step 1: The Default Policy will always be first ACL on the LUN ACL table when the iSCSI Target service is enabled.

Click the **Create** button to create a new **LUN ACL** for the initiator.

Disk Management Stocsi Target Stolse Cetate	×
ShareCenter Pro™byoLink ENCLISH	Bookma
ENGLISH	88
Status Status Status Status Solut Management SOSI Target Sost Tar	⊙।
Disk Management Volume ScST arget Disk Diagnostic Accu Name Default-Policy Default-Policy	
ACL Name Initiator Name Disk Diagnostic Default-Policy System Management Default-Policy	
Year ACL Name Initiator Name ▷ Account Management Default-Policy ▷ System Management	
>Account Management Default-Policy >System Management	
 D Backup D Extension Pack 	
II 4 A Page 1 of 1 ▷ ▷ II C Daplaying 1-10	of 1
Search	
D	

Step 2: Create the iSCSI LUN ACL.

Enter the **policy name** and the **initiator IQN**

Change the LUNs' access rights for this initiator to Read Only, Read/Write, or Deny.

Read Only: The initiator will grant Read access rights to the LUN.

Read/Write: The initiator will grant Read and Write access rights to the LUN.

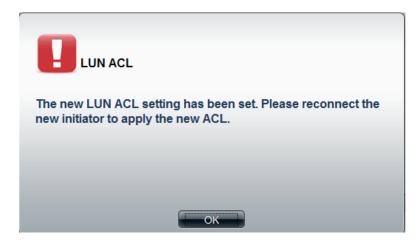
Deny: The initiator will not see the LUN.

Click **Apply** to continue.

Create iSCSI LUN ACL	-			3
ACL Name: sample				
Initiator Name (IQN):				
LUN ACL:	Read Only	Read/Write	Deny	
091805				
Page 1 of 1			Displaying 1 - 1 of 1	

Step 3: A warning message appears asking you to reconnect to the initiator.

Click OK to continue.



Step 4: The created **LUN ACL** will appear here.

Firefox dink-1122ba	+			_	- C ×
(+) http://192.168.0.100/index.php?r=	55936			合 - C 🚼 - Google	۹ 🗗 🕈
Most Visited i Getting Started i Latest He	adlines				Bookmarks
🥝 Disable* 👤 Cookies* 🌶 CSS* 🗟 Forms* 🕻	🛅 Images- 🕕 Informatio	n* 🚨 Miscellaneous* 🥒 Outline*	🏭 Resize* 🎉 Tools* 🛅 View Source	- 🖪 Options-	001
ShareCenter Pro [™] ⊌yDLin					
ENGLISH					Welcome admin! Logout Shutdown 오 👎
	Disk Managemen	t >> iSCSI Target			
▷ 🛄 Status ▲ 😋 Disk Management	iSCSI Manager	iSCSI Targets iSCSI LUNs	LUN ACL		
Volume	Create Ed	Delete Details			
Disk Diagnostic	ACL Name	Initiator Name			
Account Management	Default-Policy				
 System Management Network Services 	sample	sampleiqn			-
Applications					
Backup					
Extension Pack					
	Rage Page	1 of 1 🕞 🖓 🖏			Displaying 1 - 2 of 2
Search					
					D-Link
http://192.168.0.100/index.php?r=55936#					D'LIIK

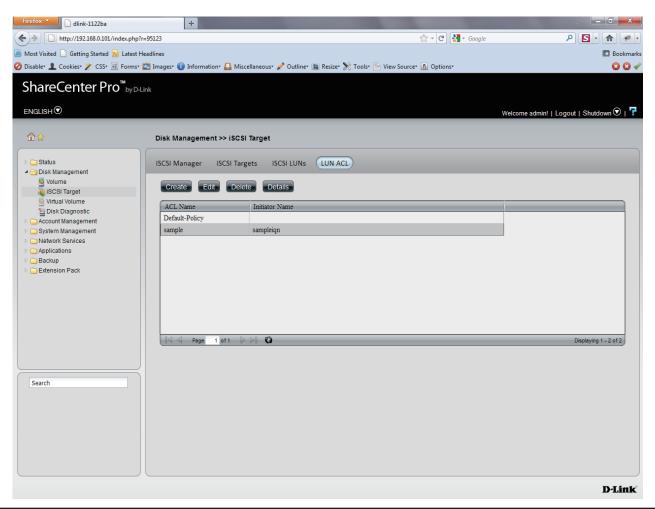
Editing the LUN ACL

You can edit the LUN ACL at your convenience.

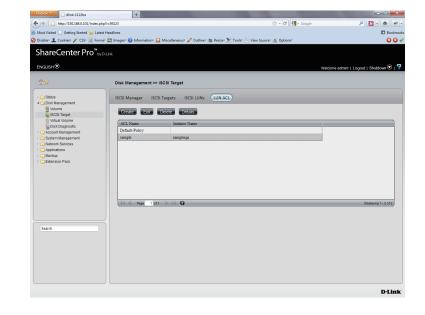
Caution: Disconnect the **iSCSI** initiator from the ShareCenter Pro before editing the **LUN ACL**. Failure to do so can cause system problems.

Follow these instructions to edit the LUN ACL.

Step 1: Select the LUN ACL you want to modify.



Step 2: Select the LUN ACL entry and click the Edit button.



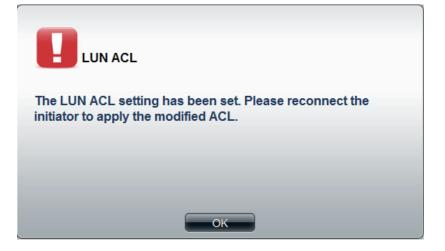
Step 3: Change the LUN access permissions on the initiator. Select either Read Only, Read/Write or Deny.



Step 4: Press the Apply button, and the modified rule will be applied.



Step 5: A **LUN** warning message appears asking that you reconnect the initiator to apply the modified **ACL**.



Virtual Volume

Click the **Virtual Volume** icon in the Disk Management window or the Virtual Volume link in the left window to configure the virtual volume. The Virtual Volume allows the ShareCenter Pro to expand its iSCSI capacity. By utilizing the built-in iSCSI initiator, the ShareCenter Pro will be able to connect to other iSCSI targets on the network and convert them into virtual volumes. These virtual volumes are seen as multiple single volumes on the ShareCenter Pro. Up to 8 virtual volumes can be stacked. The ShareCenter 1100-04 acts as the storage stack master server. Virtual Volumes can be used to store and backup data, just like a local volume.

C	reate	Click the button to add a virtual volume.
	Edit	Soloct a target and click the button to change t

- **Edit** Select a target and click the button to change the settings.
- **Delete** Select a target and click the button to remove the virtual volume from the list.
- Format When using the virtual volume for the first time, the volume must be formatted before mounting to the ShareCenter Pro.
- **Connect**/ Click **Connect** to link to a virtual volume. Click
- **Disconnect** Disconnect to terminate the connection.

Create	Delete	Format	Connect			
Target Name	_	_		Share Folder	Status	Used Size / Total Size
8						

Create a Virtual Volume

Click the **Create** button to see this window.

Device IP	Enter the IP address of the device you want connected to the iSCSI Target
Port	Enter the port for the device.
Search	Click the button to search for the iSCSI targets on the network.
Targets	Displays the available iSCSI targets.
Share Folder	Enter a name for the share folder to access.
Authentication	Click the Yes radio button to enable the authentication function.
User Name	Enter the user name for authentication.
Password	Enter the password for authentication

Click **Apply** to save the settings.

Create Vir	tual Volume	×
Initiator IQN:	iqn.2010-01.com.d-link:dlink-1122ba:initiator-1122ba	
Device IP:	Port: 3260 Search	
Targets:		
Share Folder:	vvol_	
Authentication:	No O Yes	
User Name:		
Password:		
	Apply Cancel	

Disk Diagnostic

Click the **Disk Diagnostic** icon in the Disk Management window or the Disk Diagnostic link in the left window to configure the Disk Diagnostic. This window is used to run a SMART (Self-Monitoring Analysis, and Reporting Technology) or Scan test. The hard drive is grayed out if it does not support SMART.

Quick test Click to run a quick SMART test. The test checks the electrical, mechanical, and read performance of the hard drive.

Extended Click to run an extended SMART test. This takes

- test longer time, but checks more thoroughly and complete than the quick test.
- Schedule Click to configure a scheduled test for the selected hard drive.
 - **Stop** Click to stop a test
 - Scan Click to scan if there are any errors or there is any corruption for the file system.
 - Format Click to format a volume. All data on the volume will be deleted.

Slot	Manufacturer	Model	Schedule	Progress	Result
1	Western Digital	WDC WD6402AAEX	None	-	Pass
2	Hitachi	Hitachi HDP725050	None	-	
3	Western Digital	WDC WD3000HLFS	None	-	Pass
4	Western Digital	WDC WD5000AVJS	None	-	Pass
5	-	-	-	-	

Schedule Disk Diagnostic

Click the **Schedule** button to see this window.

Schedule	Use the drop-down menu to select the frequency of the self-test schedule.
Туре	Click the radio buttons to select the type of the test.
Time	Use the drop-down menu to select hour and minute of the day.
Weekday	Use the drop-down menu to select which day of the week.
Date	Use the drop-down menu to select a date.

Click **OK** to save the settings.

Self-Test Schedule					
Schedule: Type:	None	Extended test			
Time: Weekday:	00 SUN				
Date:	01				
	ОК	Cancel			

Scan a Volume

Click the **Scan** button to see this window.

Select a volume and click **Scan** to start to check the file system.

Scan	Vol	ume

Volume	Level	State	Encryption	Used Size / Tot
Volume_1	RAID 5	Normal	Enabled, Unlock	197.7 MB / 548
Volume_50	Standalone	Normal	Disabled	194.83 MB / 31
Volume_51	Standalone	Normal	Disabled	187.45 MB / 18

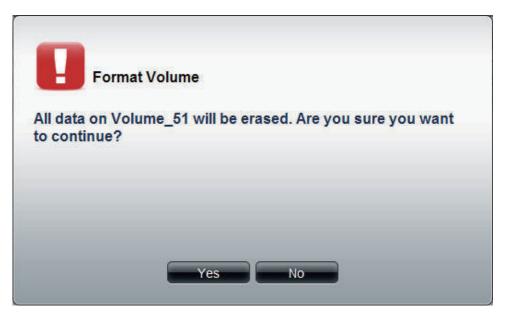
Format a Volume

Click the Format button to see this window.

Select a volume and click **Format** to format the volume.

ormat Volume					
Volume	Level	State	Encryption	Used Size / Tot	
Volume_1	RAID 5	Normal	Enabled, Unlock	197.7 MB / 548	
Volume_50	Standalone	Normal	Disabled	194.83 MB / 31	
Volume_51	Standalone	Normal	Disabled	187.45 MB / 18	
		Format	Cancel		

A warning message appears to double confirm if the formatting will proceed. Click **Yes** to proceed.



Disk Management - Scheduling a Disk Diagnostics

Click the **Schedule** button to tee this window.

Schedule	Use the drop-down menu to select the frequency of the self-test schedule.
Туре	Click the radio buttons to select the type of the test.
Time	Use the drop-down menu to select hour and minute of the day.
Weekday	Use the drop-down menu to select which day of the week.

Date Use the drop-down menu to select a date.

Click **OK** to save the settings

Self-Test Schedule

Schedule:	None	
Туре:	O Quick test	Extended test
Time:	00	: 00 🔽
Weekday:	SUN	
Date:	01 -	

Disk Management - Scan a Volume

Click the **Scan** button to see this window.

Select a volume and click Scan to start to check the file system.

Volume	Level	State	Encryption	Used Size / Tot.
Volume_1	RAID 5	Normal	Enabled, Unlock	197.7 MB / 548
Volume_50	Standalone	Normal	Disabled	194.83 MB / 31
Volume_51	Standalone	Normal	Disabled	187.45 MB / 18

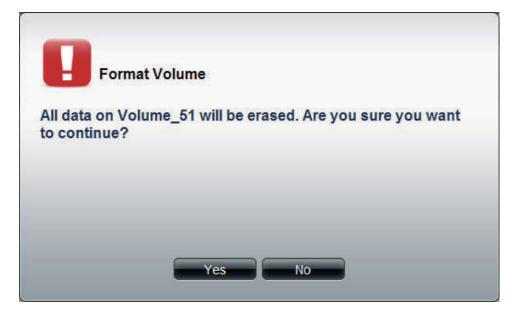
Disk Management - Format a Volume

Click the **Format** button to see this window.

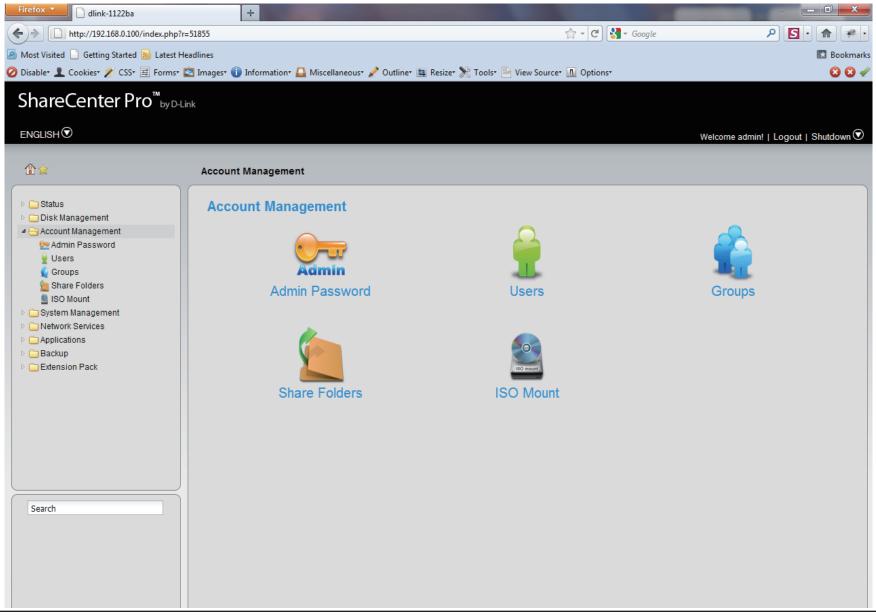
Select a volume and click **Format** to format the volume.

Volume	Level	State	Encryption	Used Size / Tot
/olume_1	RAID 5	Normal	Enabled, Unlock	197.7 MB / 548
/olume_50	Standalone	Normal	Disabled	194.83 MB / 31
Volume_51	Standalone	Normal	Disabled	187.45 MB / 18

A warning message appears to double confirm if the formatting will proceed. Click **Yes** to proceed.



Account Management This folder contains the Admin Password, Users, Groups, Share Folders, and ISO Mount. Click the folder to see the subcategories.



Admin Password

Click the Admin Password icon in the Account Management window or the Admin Password link in the left window to configure the Admin Password. This window is used to change the administrator's password.

User Name	Displays administrator's user name.
Password	Enter the original password.
	Enter a new password.
Password	
Confirm	Retype the new password.
Password	

Click **Apply** to save the settings.

User Name:	admin			
Password:	aurier			
New Password:				
Confirm Password:				
Commin Passworu;				

Users

Click the **Users** icon in the **Account Management** window or the **Users** link in the left window to create, edit or delete users. This window also can assign users to various groups.

Create	Create Click the button to create a new user.	
Edit Select a user and click the button to configure		
user's information.		

- **Delete** Select a user and click the button to remove the user from the list.
- Import Users Click the button to import a file with a list of users.
- **Create Batch** Click the button to create multiple users at one time.
 - Search Enter the search keyword and click search for the user. Click to clear the search field and all users' information appears.

Create Edit Delete	Import Users Create Batch	Search	
User Name	Group Name		
Users			
	76		
Page 1 of 1 D	0	Displ	aying 1 - 1 of 1

Create a User

Click the **Create** button to see the welcome window.



User Name Enter the name of a user.	
---	--

Password Enter the **password** of the user.

Confirm Retype the password.

Password

Set Quota Tick the **Set Quota** check box to limit the storage capacity in megabyte for the user. The value of 0 means an unlimited quota size.

Create User					$\overline{\mathbf{x}}$
User Informatio	n				
User Name:	1				
Password:					
Confirm Password:					
Quotas					
Set Quota					
Quotas: 0	MB				
	Previous	Next	Cancel		
				19	

This window is used to add the user to a group. If there is no entry in the list, you can go to **Account Management** > **Groups** to create a group.

- Search Enter the search keyword and click search for the group. Click to clear the search field and all of the group's information appears.
 - Add Tick the corresponding check box to add the user to the group.
 - PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or
Last page (▲) to search for the group.
- **Refresh** Click To update the group list.



This window is used to assign access rights to the user for the corresponding share folder(s). If there are no entries in the list, you can go to **Account Management** > **Share Folders** to create share folders.

- Search Enter the search keyword and click search for the folder. Click to clear the search field and all folders appear.
- **Read Only** Tick the check box for read only access right.
- **Read/Write** Tick the check box for both read and write access rights.
 - **Deny** Tick the check box for no access right.
 - Page
 Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (▲), Previous Page (▲), Next Page (▲) or Last page (▲) to search for the group.
 - **Refresh** Click To update the folder list.

			Search	6
Share Name	Path	Read Only	Read/Write	Deny

This window displays a summary of the configured information.

Click **Previous** to modify the settings.

Click **Apply** to save the settings.

Create User				
Summary				
Options	Settings			
User Name	UserName			
Group Name				
Quotas	300 MB			
Share Folder (RO)				
Share Folder (RW)				
Share Folder (Deny)				
	Previous Apply Cancel			

Import Users

Click the Import Users button to see the welcome window.



Section 3 - Configuration

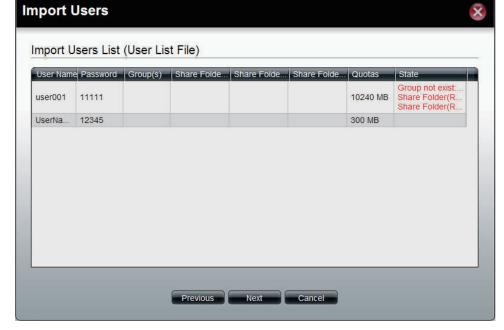
This window allows you to import a user list file.

Download	Click this button to see the example for listing the users in the file.
Overwrite duplicate accounts	Tick the check box to replace duplicate accounts.
User List File	Click the Browse button to locate the file.

Import Users					
Select the User List File To Import					
To reference an example file, press: Download					
Overwrite duplicate accounts					
User List File: Browse					
Previous Next Cancel					

This window displays all the users in the file. If there are any error warnings in the State filed, the user will not be able to go to the next window.

Click Next to continue.



The window displays the final results of importing users to the ShareCenter 1100-04.

Click **Apply** to save the settings.

Ir	nport Users							×
	Import Users S	ummary						
	UserName UserName01	Password 12345	Group(s)	Share Folde	Share Folde	Share Folde	Quotas 300 MB	
			Previous	Apply	Cancel			

Create Batch Users

Click the **Create Batch** button to see the welcome window.



This window allows you to create multiple users.

User Name Prefix	Enter the prefix of the users
Start Number	Enter the start number of the users.
Create Number	Enter the total number of the users.
Password	Enter the password of the users
Confirm Password	Retype the password
Overwrite duplicate Accounts	Tick the check box to replace duplicate accounts.
Set Quota	Tick the Set Quota check box to limit the storage capacity (in megabyte) for the user. The value of 0 means an unlimited quota size.

Create Batch	Users	8
User Informatio	n	
User Name Prefix:		
Start Number:	0	
Create Number:	1	
Password:		
Confirm Password:		
Overwrite duplicate	accounts	
🗌 Set Quota		
Quotas: 0	МВ	
		_
	Previous Next Cancel	

This window is used to add the users to groups. If there is no entry in the list, you can go to **Account Management** > **Groups** to create groups.

- Search Enter the search keyword and click search for the group. Click to clear the search field and all of the group's information appears.
 - Add Tick the corresponding check box to add the users to the groups.
 - PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or
Last page (▲) to search for the group.
- **Refresh** Click To update the group list.



This window is used to assign access rights to the users for the corresponding share folder(s) to the share folders. If there is no entry in the list, you can go to **Account Management** > **Share Folders** to create share folders.

- Search Enter the search keyword and click sto search for the folder. Click to clear the search field and all folders appear.
- **Read Only** Tick the check box for read only access right.
- **Read/Write** Tick the check box for both read and write access rights.
 - **Deny** Tick the check box for no access right.
 - PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or
Last page (▲) to search for the group.
 - **Refresh** Click to update the folder list.

Click **Next** to continue.

Create Batch Users



This window displays a summary of the configured information.

Click **Previous** to modify the settings.

Click **Apply** to save the settings. Depending on the amount of users, the procedure may take a few hours.

	··
User Name	State
UserBatch0	
UserBatch1	
UserBatch2	
Batch User's Opt	Settings
	Settings
Options	
Options Password	Settings
Options Password Group Name	Settings 45678
Options Password Group Name Quotas	Settings 45678

Groups Click the **Groups** icon in the Account Management window or the Groups link in the left window to create, edit or delete a group.

Create	Click the button to create a new group.	
Edit	Select a group and click the button to configure the group's information.	
Delete	Select a group and click the button to remove the group from the list.	
Search	Enter the search keyword and click ^{See} to search for the group. Click See to clear the search field and all groups' information appears.	

Create Edit C	velete	Search	• ×
Group Name	Group Member(s)		
Page 1 of			No data to display

Create a Group

Click the **Create** button to see the welcome window.

Group Name Enter a name of the group



This window is used to add the users to the group. If there is no entry in the list, you can go to **Account Management** > **Users** to create users.

- Search Enter the search keyword and click sto search for the user. Click to clear the search field and all users' information appears.
 - Add Tick the corresponding check box to add the user to the group.
 - PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or
Last page (▲) to search for the group.
- **Refresh** Click To update the group list.

Click Apply to save the settings.

Create Group



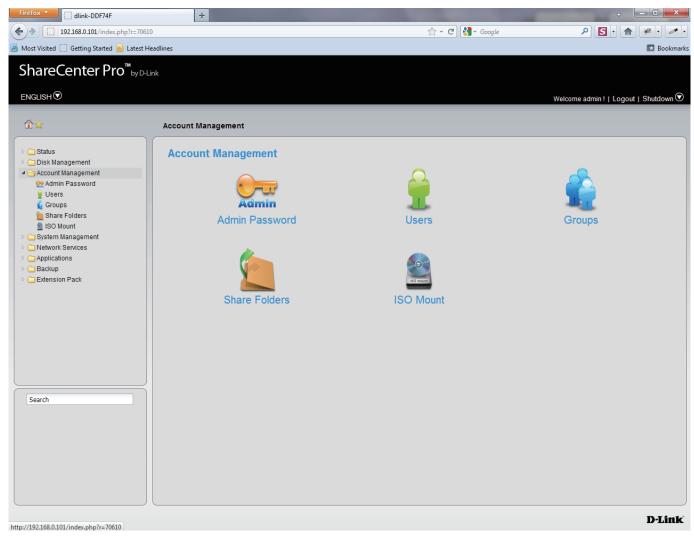
User List Search User Name Add Users UserName UserName01 UserBatch0 UserBatch1 UserBatch2 0 1 of 1 Page Displaying 1 - 6 of 6 Previous Apply Cancel

Shared Folders

Shared Folders creates folders users can share over the network. These folders can be created, edited or deleted.

Step 1: Log into the system.

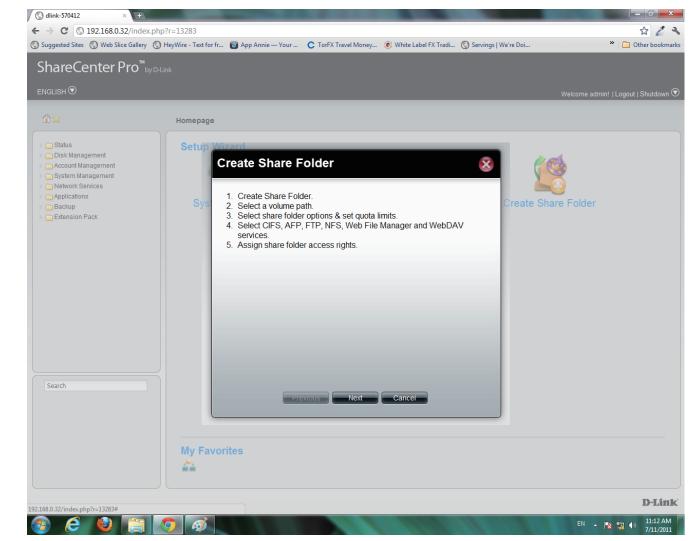
Click Create Shared Folder.



Step 2: The "Create Share Folder" window pops up. Here you can:

Create a Shared Folder

- Select a volume path where that folder will go
- Set share folder options and size
- Set other services like: CIFS, AFP, FTP, NFS, Web, File Manager, and WebDAV
- Set shared folder access rights

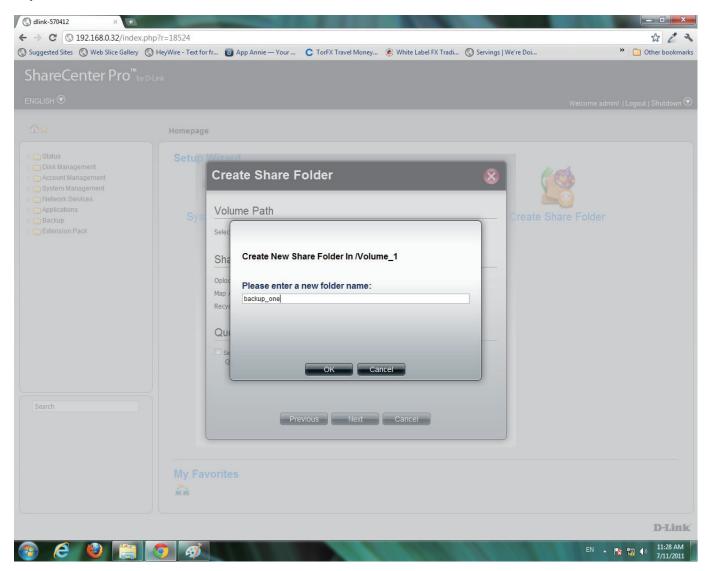


Step 3: Under Volume Path, select the path by clicking once on the open field. A drop down menu appears of the drives on your NAS.

Click Create to make a new folder.

→ C (S 192.168.0.32/index		-	_		-	ជ ៤
uggested Sites 🔇 Web Slice Gallery		fr 🧿 App Annie — Your	C TorFX Travel Money	White Label FX Tradi	Servings We're Doi	» 🛅 Other boo
hareCenter Pro [™] ₀						
						Welcome admin! Logout Shutd
Ì★	Homepage					
🔁 Status	Setup	Nizard				
Disk Management Count Management System Management Network Services Applications Backup Extension Pack	Sys	Create Share F Volume Path Select Path: Share Folder Opti Optocks:	Volume_1 a Volume_50 a Volume_51 Enable		Create Sha	re Folder
		Hup Archiver	Create			
Search	My Fav		evious Next	Cancel		
8.0.32/index.php?r=18524#						D-L

Step 4: Enter a name for your new folder and click OK.



Step 5: Once you have entered the volume path, select the Share Folder Option

Select to enable or disable the Map Archive, or Recycle Bin

Volume Pat		lume 1/backup ene	
	////	lume_1/backup_one	
Share Folde	er Options (F	or CIFS Service)	
Oplocks:	Enable	 Disable 	
Map Archive:	Enable	Oisable	
Recycle Bin:	Enable	Oisable	
Quotas			
Set Quota			
Quotas:	O ME	3	

Step 6: Select to Enable the CIFS Services, Map Archive and Recycle Bin

Select the **Set Quota** checkbox.

Enter a Quota. The Quota is the number of MB you wish to designate the Shared Folder.

Create Sh	nare Folde	r	X
Volume Pat	h		
Select Path:	/Vol	ume_1	
Share Folde	er Options (F	or CIFS Service)	
Oplocks:	Enable	O Disable	
Map Archive:	Enable	O Disable	
Recycle Bin:	Enable	O Disable	
Quotas			
Set Quota Quotas:	100 ME		
	Previous	Next Cancel	

Step 7: Select the Service you wish to incorporate onto this share folder.

Choose from CFS, AFP, FTP, NFS, Web File Manager, or WebDAV.

Click **Enable** to authenticate it or **Disable** to stop the service.

Create Share	Folder		\otimes
Selece Service			
CIFS:	Enable	Disable	
AFP:	Enable	Disable	
FTP:	Enable	Disable	
NFS:	Enable	Disable	
Web File Manager:	Enable	Disable	
WebDAV:	Enable	Disable	
	roviouo Novt	Canaal	
P	revious Next	Cancel	

Step 8: Select who you would like to access this Shared Folder.

Select All Users to give all users access to the Shared Folder

Select **Specific User** to choose a user from your list or enter details of a user.

Create Share Folder	×
Access Rights	
 All Users Specific User 	
Previous Next Cancel	

Step 9: Select the Access Rights of the Shared Folder.

Select either Read Only, Read/Write, or Deny access.

Click Next to continue.	Create Share Folder
	Access Rights
	 Read/Write Deny
	Previous Next Cancel

Step 10: The final screen shows a summary of the configuration options just carried out. Read through the settings you have just made.

Click **Apply** to finish the **Shared Folder** configuration settings.

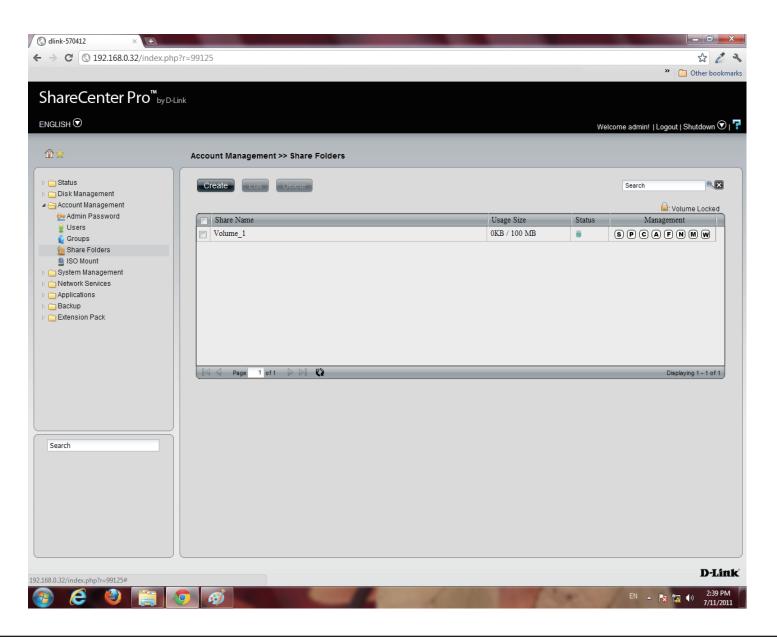
Create Shar	e Folder	×
Summary		
Options	Settings	
Path	/Volume_1	
Oplocks	Enable	
Map Archive	Enable	
Recycle Bin	Enable	
Quotas	100 MB	
Allow Services	CIFS, AFP, FTP, NFS, Web File Manager, WebDAV	
Access Rights	Allow everybody read and write	
	Previous Apply Cancel	

Step 11: ShareCenter 1100-04 starts to save your settings.

🔇 dlink-570412 × 🛨			
← → C ③ 192.168.0.32/index	x.php?r=99125		* 2 3
	_		Other bookman
ShareCenter Pro [™] ⊧			
			Welcome admin! Logout Shutdown 👁
A 1			
	Homepage		
⊳ 🧰 Status	Setup 🖉	zard	
 Disk Management Account Management System Management Network Services Applications 		Create Share Folder	
 Backup Extension Pack 	Sys	Options Settings	Create Share Folder
		Path /Volume_1 Oplocks Enable Map Archive Enable Recycle Bin Enable Quotas 100 MB< Saving	
Search		Previous Apply Cancel	
	My Favo	rites	
			D-Link
🚯 🙆 🔞 🚞			EN 🔺 📴 👘 2:38 PM

Step 12: ShareCenter 1100-04 returns you to Accounts Management, Share Folders.

The table displays the **Shared Folder** created with size, status, and management functions.



Shared Folders - Editing a Shared Folder

Edit a Shared Folder within ShareCenter 1100-04.

Step 1: Select the Shared Folder you wish edit.

Click Edit .	🔇 dlink-570412 × 🛨						x
	← → C (© 192.168.0.32/index.p	np?r=99125				公 [12
						» 🛅 Other bo	okmarks
	ShareCenter Pro [™] by 0	-Link					
	ENGLISH 🛇				w	elcome admin! Logout Shutdown	⊽₁7
	@☆		- Folders				
		Account Management >> Shar	e Folders				
	 Status Disk Management 	Create Edit Delete				Search	×
	Account Management Admin Password				a	Generation States Contracted States S	d
	🔮 Users	Volume_1		Usage Size 0KB / 100 MB	Status	Management	-
	Groups Share Folders					00000000	
	ISO Mount System Management						
	 Network Services Applications 						
	Backup						
	Extension Pack						
		Page 1 of 1 > >	C		_	Displaying 1 - 1 of	1
	Search						
	192.168.0.32/index.php?r=99125#					D-I	link
				COMPANY &	-	EN 🔺 💽 📢 2:30	9 PM /2011
				and the second s		//11	/2011

Step 2: The **Volume** is selected. Edit the **Share Folder Options** (services) and **Quota** accordingly.

Click Next to continue.	Volume_1			
	Share Fold	ler Options (F	or CIFS Service)	
	Oplocks:	Enable	 Disable 	
	Map Archive:	Enable	Disable	
	Recycle Bin:	Enable	Disable	
	Quotas			
	Set Quota Quotas:	1000 MB		
		Previous	Next Cance	

Step 3: Edit the Services manually according to your needs.

Volume_1		
Selece Service		
CIFS:	enable	le
AFP:	 Enable Disable 	e
FTP:	Enable	e
NFS:	Enable	e
Web File Manager:	Enable	e
WebDAV:	Enable	e
_		
	Previous Next Ca	ancel

Step 4: Edit the Access Rights in the Shared Folder for all users or specific users.

Click Next to continue.	Volume_1
	Access Rights
	 All Users Specific User
	Previous Next Cancel

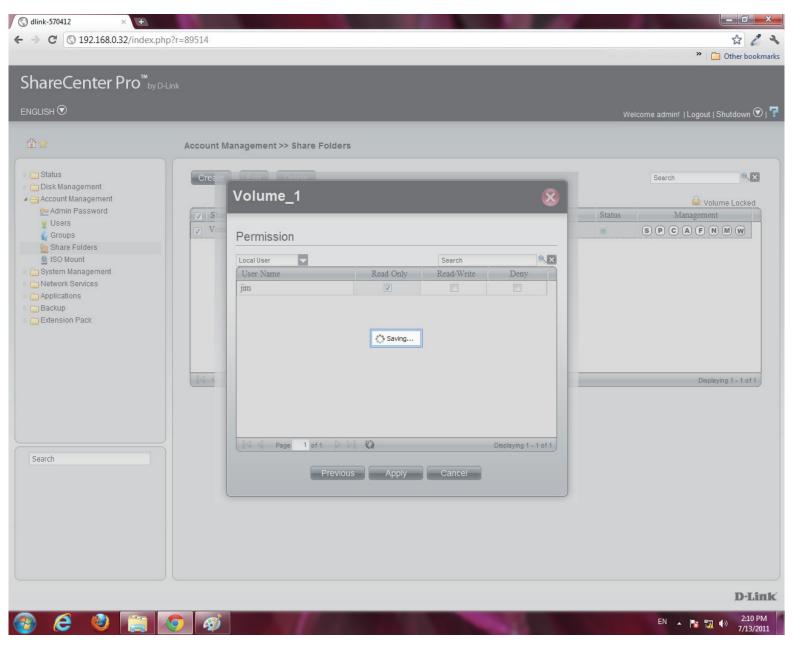
Step 5: Now select the Permissions. The permissions can be for a local user or a local group.

Select the user and select the Permission for the user

Click Apply to continue.

Volume_1			\mathbf{x}
Permission			
Local User 🗸		Search	
User Name	Read Only	Read/Write	Deny
jim			
Page 1 of 1 🕨 🕅	C)		Displaying 1 - 1 of 1
	Analy		
Previous	Apply	Cancel	

Step 6: ShareCenter 1100-04 saves your configuration and returns you to the **Share Folder** Table.



Shared Folders - Management

Manage the Shared Folder from a few icons on the table

Step 1: Click the S button under Management to provide details on the Share Path.

NebDAV

Click **OK** to exit.

Step 2: Click the P button to change the Access Rights.

Select between All Users or Specific Users.

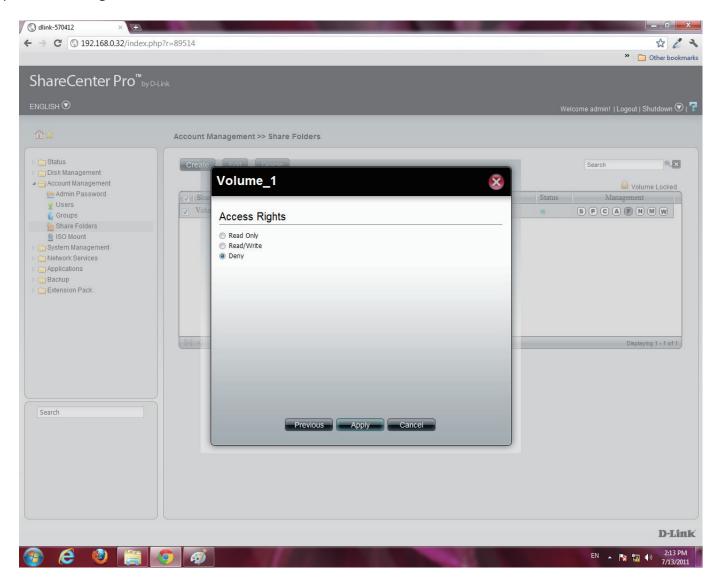
Click Next to continue.

🔇 dlink-570412 × 🛨	
► → C ③ 192.168.0.32/index.php?r=89514	\$ 2 3
ShareCenter Pro [™] by D+Link ENGLISH [®]	* 🗋 Other bookmarks
[™] [★] Account Management >> Share Folders	
 Status Disk Management Admin Password Users Groups Share Folders Iso Mount System Management Metwork Services Applications Backup Extension Pack 	Search Volume Locked Status Management S P C A P N W W Displaying 1 - 1 of 1
Search Previous Next Cancel	D-Link
	EN 🔺 🍢 扣 🌒 2:12 PM 7/13/2011

Step 3: Select the Access Rights for the volume.

Read Only, Read/Write, or Deny.

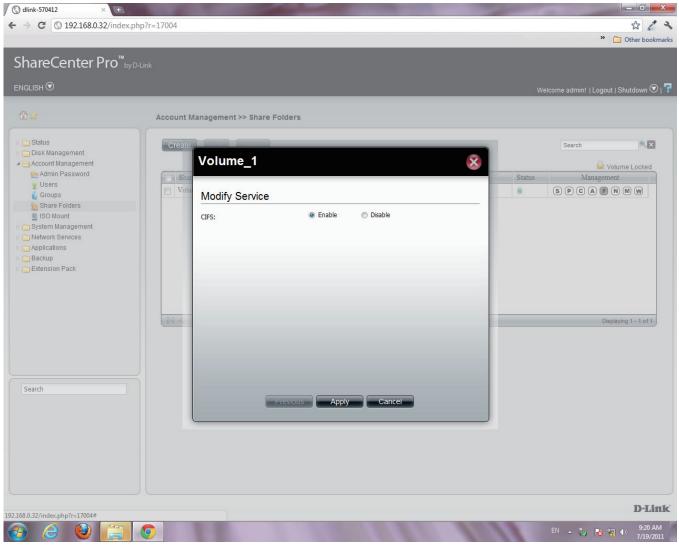
Click **Apply** to complete the changes.



Step 4: Click the C button to change CIFS services.

Select between Enable (activate) or Disable (deactivate).

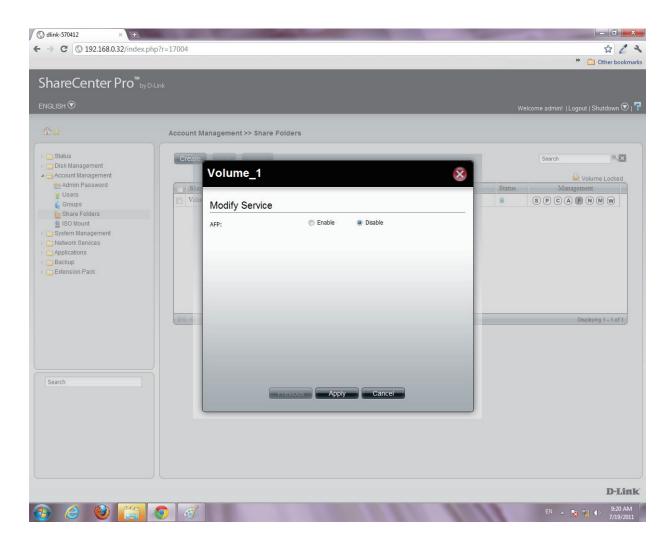
Click **Apply** to continue.



Step 5: Click the A button to change AFP services.

Select between Enable (activate) or Disable (deactivate).

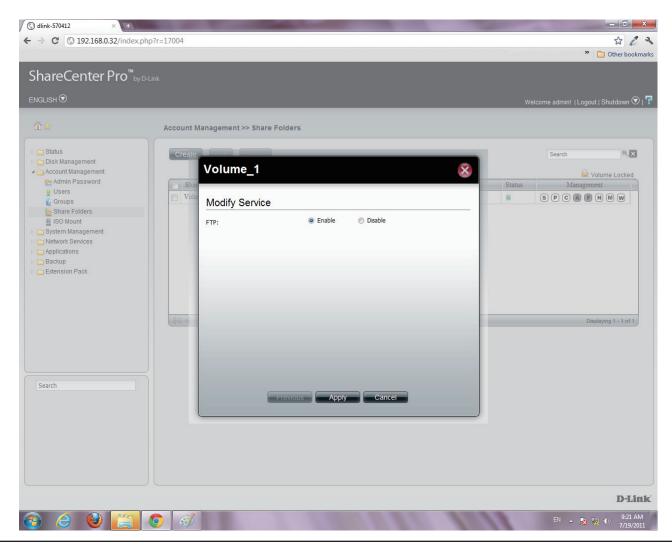
Click **Apply** to continue.



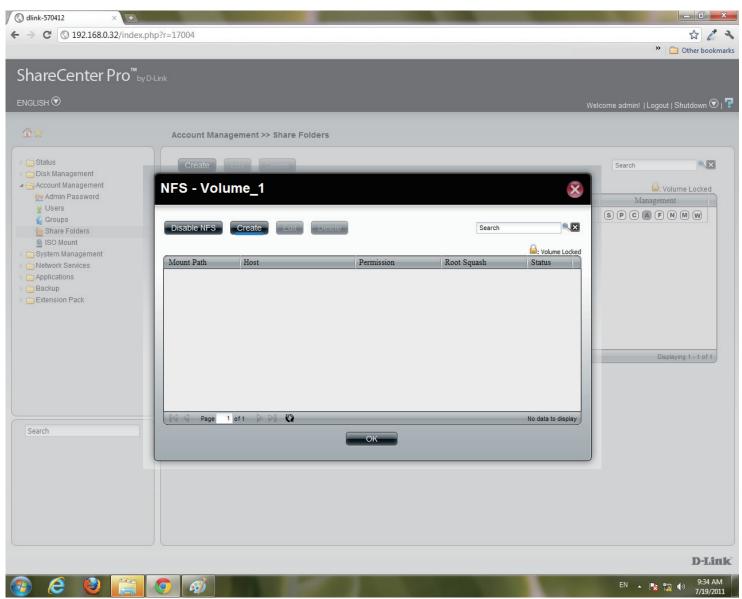
Step 6: Click the F button to change FTP services.

Select between Enable (activate) or Disable (deactivate).

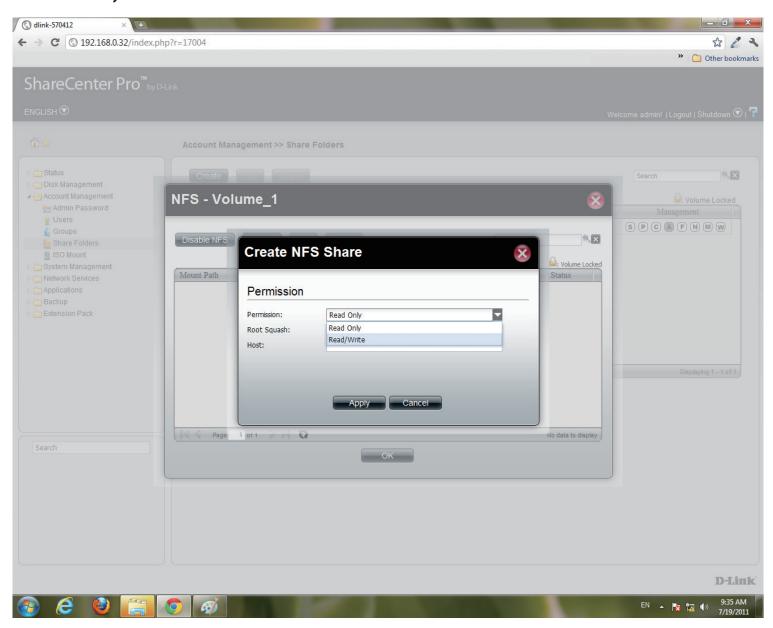
Click Apply to continue.



- **Step 7:** For **NFS** settings, the configuration window allows you to **Disable NFS** or **Create** a new rule.
 - To Create a new rule click Create.

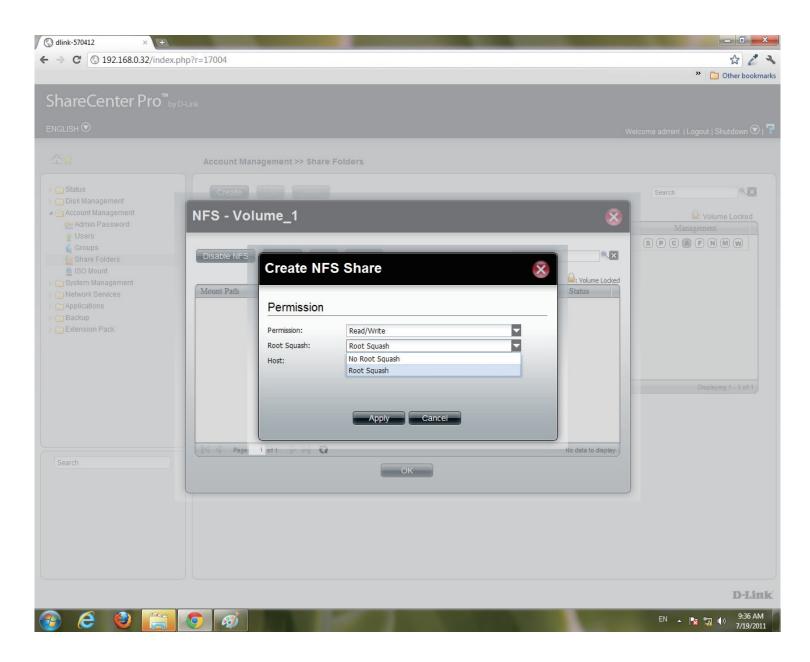


Step 8: Under Create NFS Share, select the Permission level. There are two choices: Read Only & Read/Write.

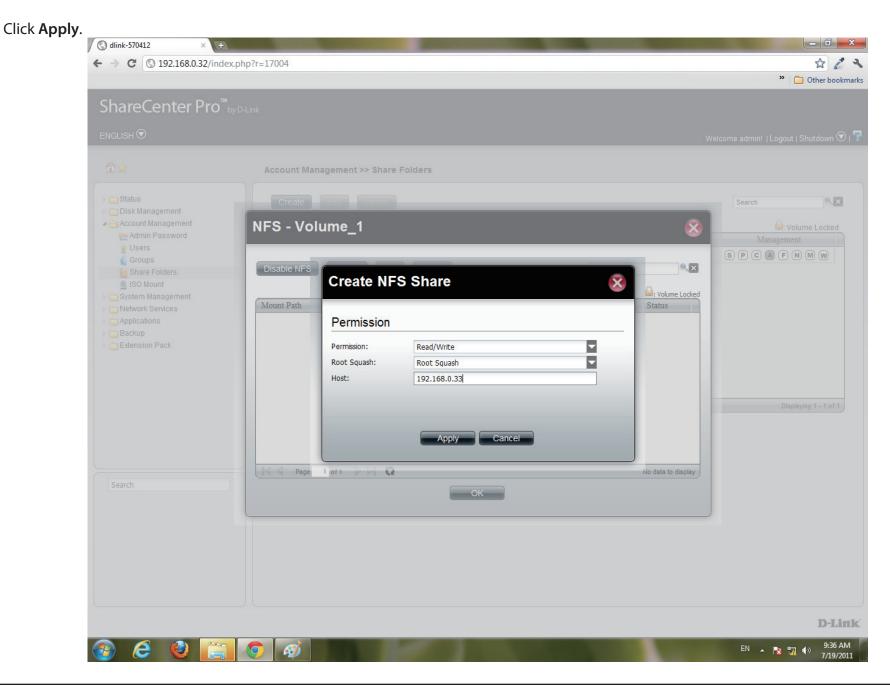


Step 9: Under Root Squash, select to activate Root Squash or

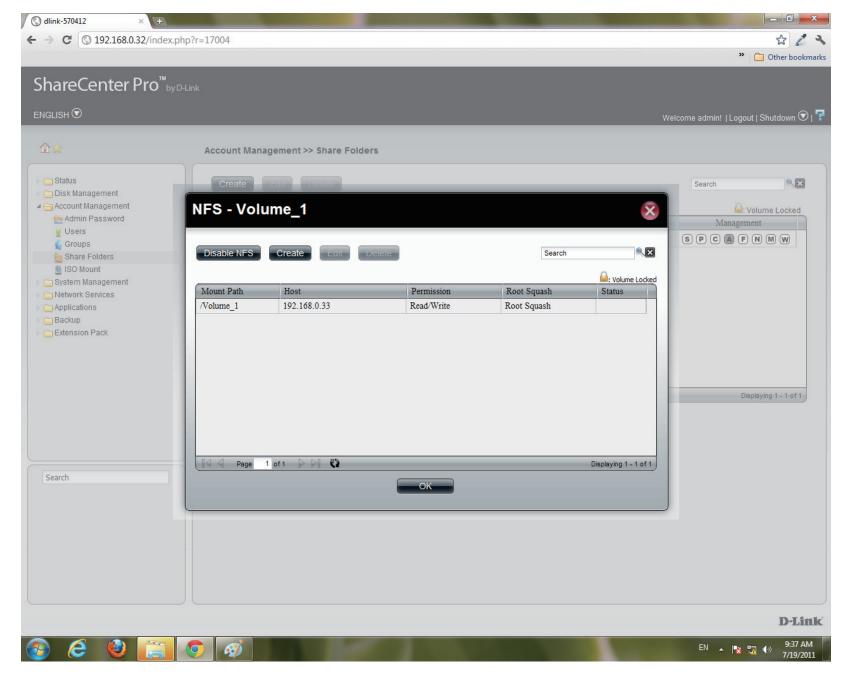
not.



Step 10: Enter the Host address.

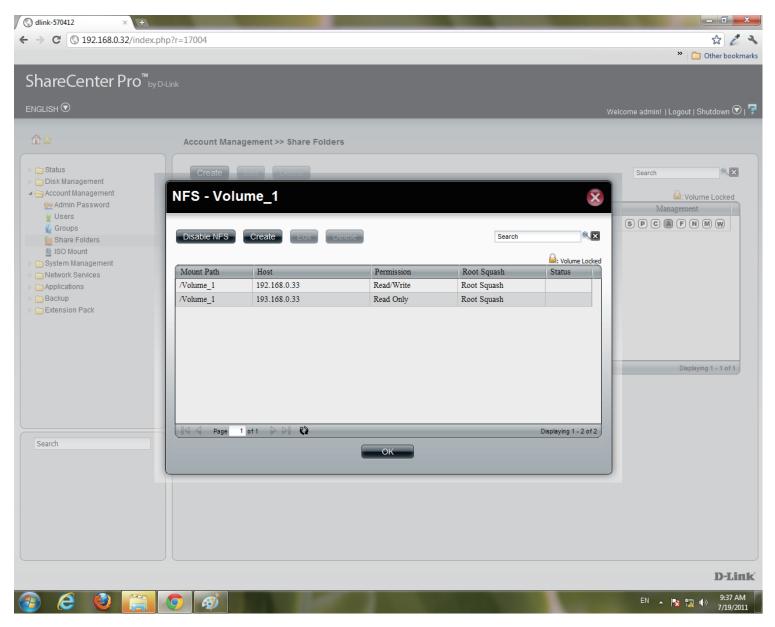


Step 11: The NFS table now shows the changes made.

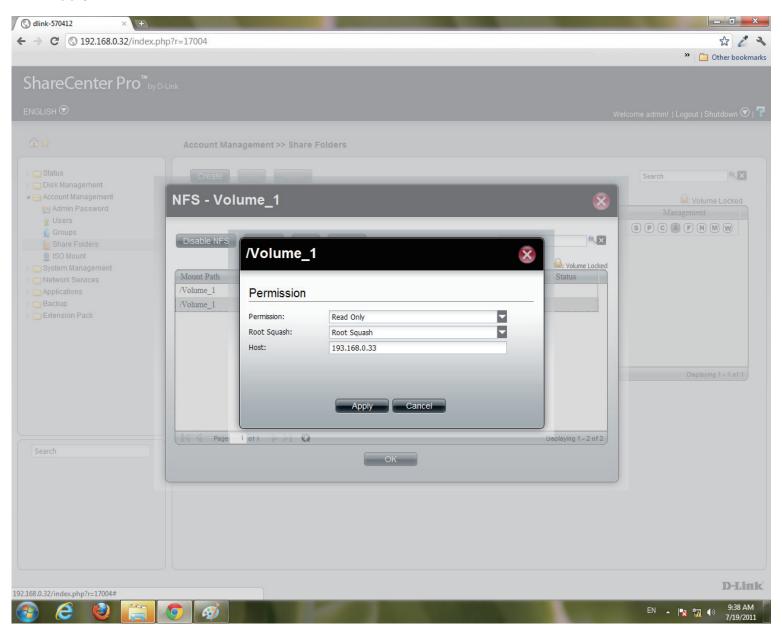


Step 12: To Edit

Select the volume you wish to edit, click Edit.

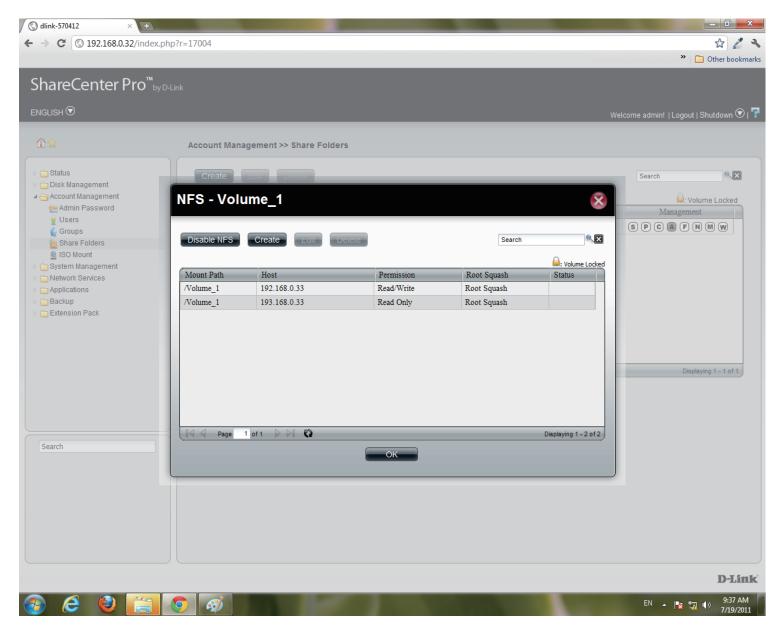


Step 13: Users can edit the **Permissions** of a volume in this section. Once complete. Click **Apply**.



Step 14: Delete an NFS volume by clicking the volume.

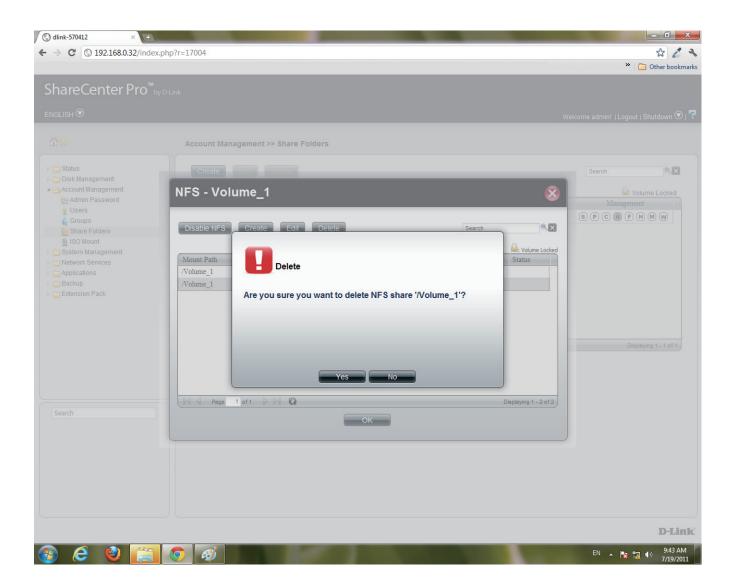
Then, click Delete.



Step 15: A warning message prompts you to verify your selection.

Click Yes to delete the NFS volume.

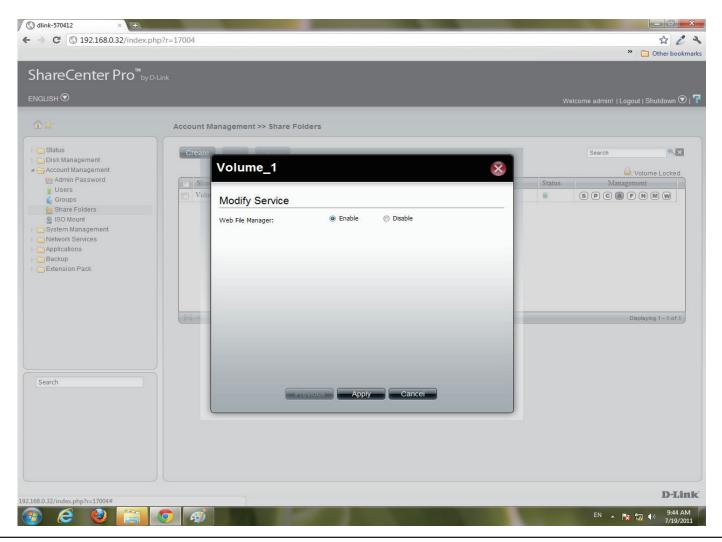
Click **No** to return to your original settings.



Step 16: Click the M button to modify the Web File Manager.

Select between Enable (activate) or Disable (deactivate).

Click Apply to continue.

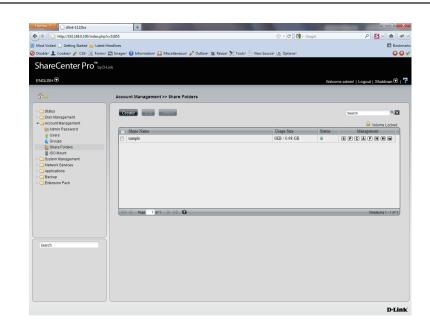


Section 3 - Configuration

Step 17: Click the W button to modify the WebDAV Services

Select between Enable (activate) or Disable (deactivate).

Click **Apply** to continue.



sample			×
Modify Service			
WebDAV:	Enable	O Disable	
Prev	ious Apply	Cancel	

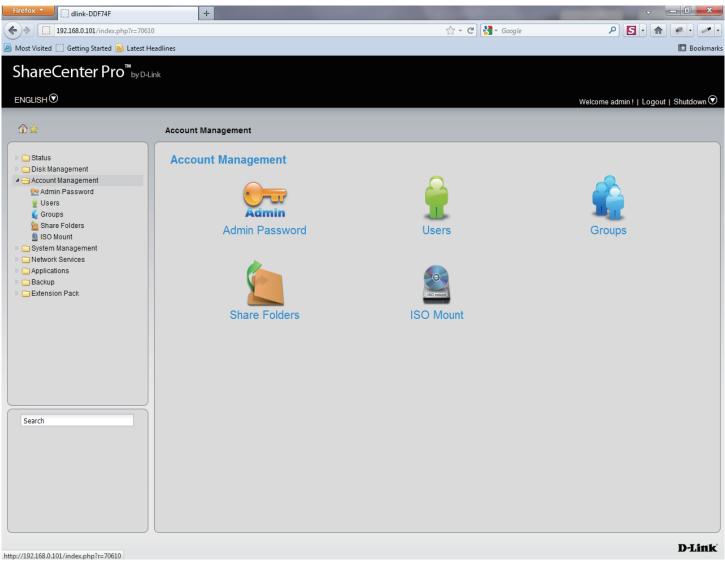
Accounts Management - Shared Folders

(S) dlink-570412 × +				
← → C (③ 192.168.0.32/index.p	hp?r=17004		😭 🔏 🔧 " 🗋 Other bookmark	
ShareCenter Pro [™] by □ ENGLISH ⊙	Hink		Welcome admin! Logout Shutdown 🕥 🕇	
^\\$☆	Account Management >> Share Folders			
 Status Disk Management Account Management Mdmin Password Users Groups Share Folders ISO Mount System Management Network Services Applications Backup Extension Pack 	Create Eon Dece	Usage Size OKB / 100 MB	Search Columne Locked Search Search Management Search Columne Locked Columne Locked Co	Inactive Service
Search			D-Link	
💿 🥝 🔮 📋			EN 🔺 🍢 📊 🌖 9:46 AM 7/19/2011	

ISO Mounts

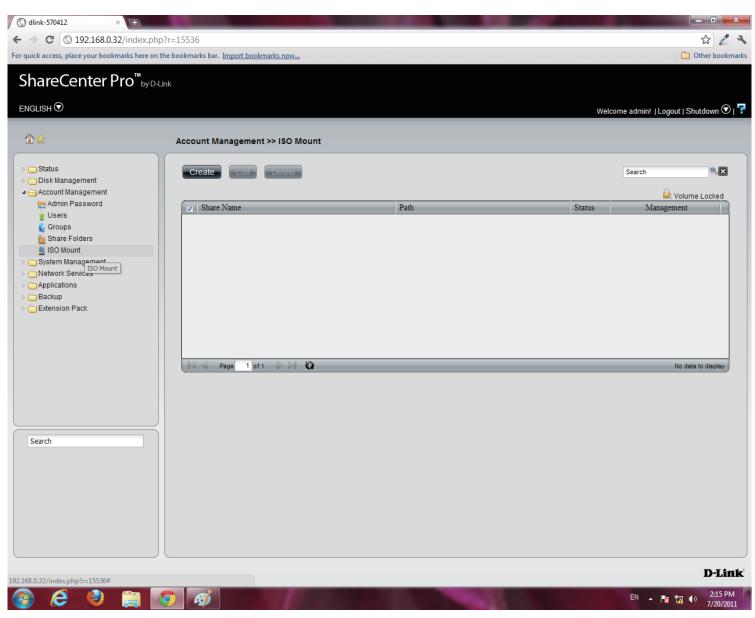
Follow these steps to mount and save an ISO file.

Step 1: Log into the system.



Step 2: Click Accounts Management





Step 3: Click Create, the Create ISO Mount window appears. Read the instructions and click Next.

Create ISO Mount	×
 Select a ISO file. Select CIFS, AFP, FTP, NFS, Web File Manager and WebDAV services. Assign share folder access rights. 	
Previous Next Cancel	

Step 4: Click the empty field to browse to the **ISO File Path**.

The **ISO File** must be located on the NAS to authenticate this procedure.

The **ISO** file cannot be on a volume. Click the volume to extend your search.

Create ISO M	ount	×
ISO File Path		
Select ISO File:	 Volume_1 DCS-5605_5635.ISO Volume_50 Volume_51 	
	Previous Next Cancel	

Step 5: Click Next to continue

Create ISO Mou	nt 😣
ISO File Path	
Select ISO File:	/Volume_1/DCS-5605_5635.ISO
Previ	ous Next Cancel

Step 6: Select the **Service** by using one of the radio buttons

The choices include: CIFS, AFP, FTP, NFS, Web File Manager, and WebDAV.

Click Next to continue.



Step 7: Under Access Rights specify the user - All Users or Specific Users.

Click Next to continue

Step 8: Select which Access Rights you want to assign a user.

Choose either Read Only or Deny.

Click Next to continue.





Step 9: The final step is a summary. The summary displays the Path, Allowed Services, and Access Rights.

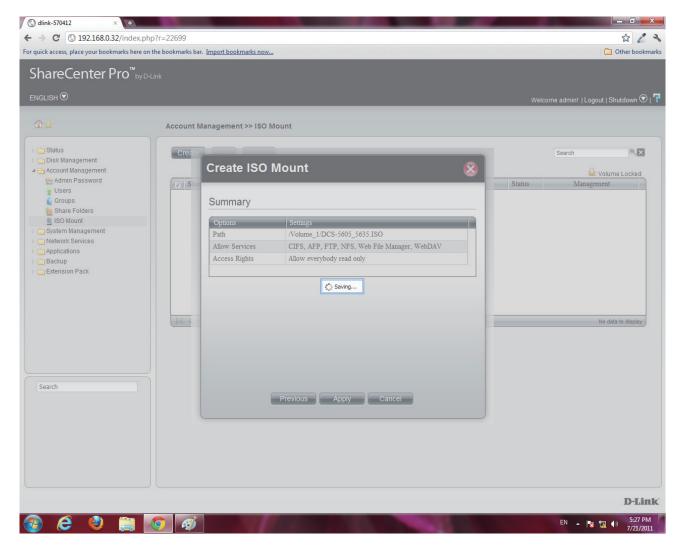
Click **Apply** to accept the configuration changes or click **Cancel**.

Create ISO Mount			
ummary			
Options	Settings		
Path	/Volume_1/DCS-5605_5635.ISO		
Allow Services	CIFS, AFP, FTP, NFS, Web File Manager, WebDAV		
Access Rights			
	Allow everybody read only		
Accoss Agains	Allow everybody read only		
Access Agins	Allow everybody read only		
Access Agains	Allow everybody read only		

ISO Mounts - Editing an ISO Mount

Follow these steps to edit an ISO file.

Step 1: Once the configuration is saved and you need to edit your settings once again, click **Edit**.



Step 2: Select the Services you want.

Click **Enable** to activate the services.

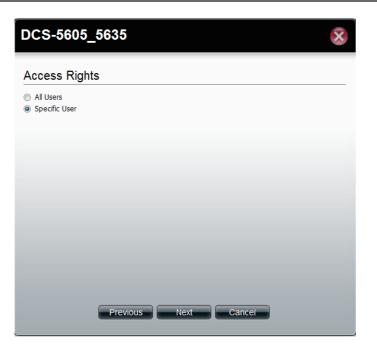
Click **Disable** to deactivate the services.

Click Next to continue.

CIFS:	Enable	O Disable	
AFP:	Enable	Disable	
TP:	Enable	Oisable	
NFS:	Enable	Oisable	
Web File Manager:	Enable	Oisable	
WebDAV:	Enable	Disable	

Step 3: Select the User you wish to assign or edit.

Click Next.



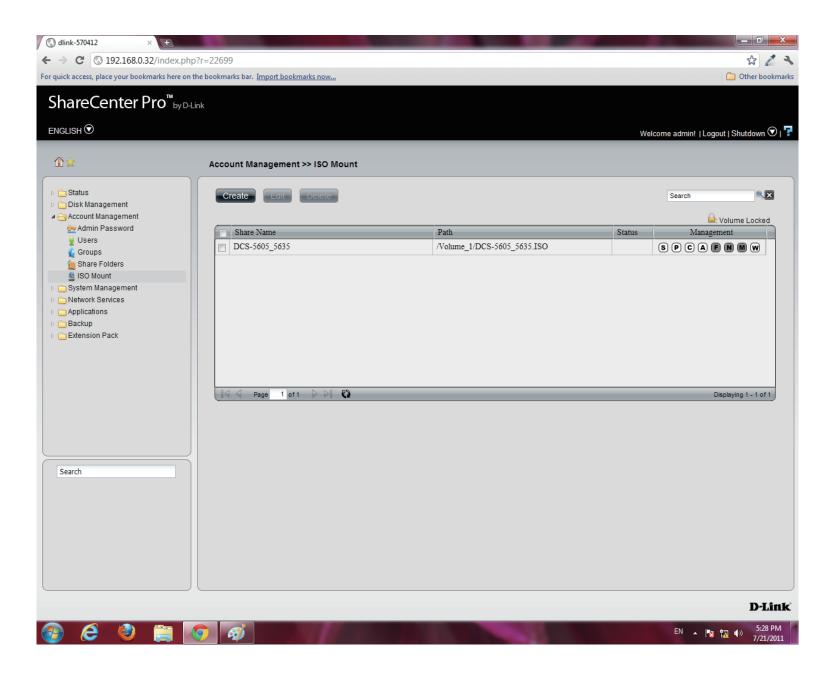
Step 4: Selecting a Specific User.

Under **Permissions**, select the specific user, check the permission you want to set for this user.

Click Apply to continue.



Step 5: Once you have clicked Apply, the screen reverts back to the ISO Mount table.



ISO Mounts - Deleting an ISO Mount

Follow these steps to delete an ISO mount setting. Please note: The ISO file will not be deleted.

Step 1: Select the ISO Mount you wish to delete

Click the **Delete** button.

() dlink-570412 × +	The second			
← → C ③ 192.168.0.32/index.php	?r=22699			A 🕹 🖉 🔧
For quick access, place your bookmarks here on t	he bookmarks bar. Import bookmarks now			Cther bookmarks
ShareCenter Pro [™] _{by D-L}	ink			
			Welco	ome admin! Logout Shutdown 文 구
\$\$	Account Management >> ISO Mount			
⊳	Create Edit Delete			Search
 Disk Management Account Management 				a: Volume Locked
👷 Admin Password	Share Name	Path	Status	Management
Users	DCS-5605_5635	/Volume_1/DCS-5605_5635.ISO		SPCAFNMW
Share Folders				
ISO Mount ▷ _ System Management				
Detwork Services				
Applications Backup				
Extension Pack				
	Page 1 of 1 D D			Displaying 1 - 1 of 1
Search				
Search				
				D-Link
🚱 🙆 🎱 🚞 🚺	🧿 🛷			EN 🔺 🍢 🖏 👀 5:29 PM 7/21/2011

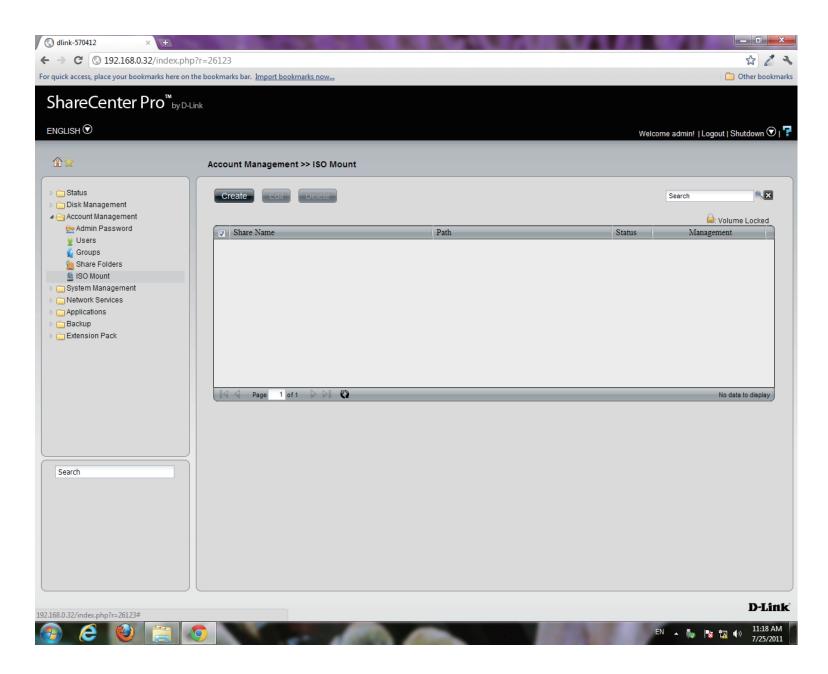
Step 2: A warning message appears verifying if you want to delete the shared folder.

Click Yes to confirm the delete instruction

Click No to exit this instruction



Step 3: The folder is deleted and the ISO Mount directory is empty.

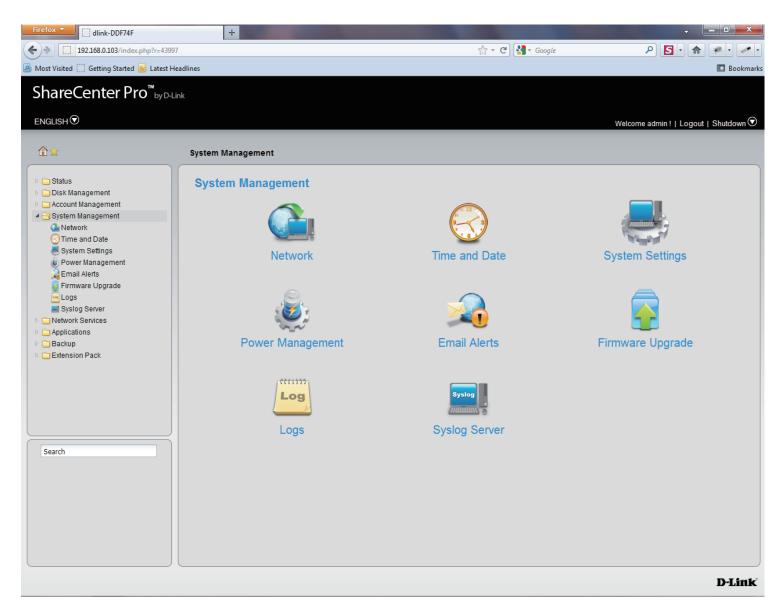


Chapter 12 - Software - System Management

The D-Link ShareCenter Pro 1100-04 allows you to manage key system functions of your NAS. Let's take a look.

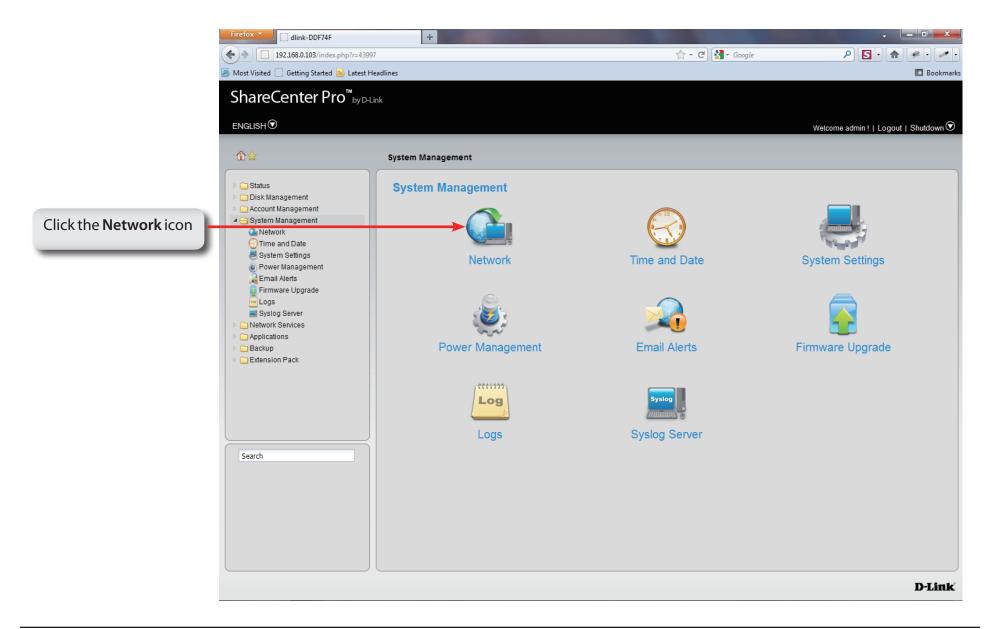
Software - System Management - Network Settings

Step 1: Open your browser and click System Management.



Software - System Management - Network Settings

Step 2: Click the Network icon



System Management - Network Settings - LAN 1

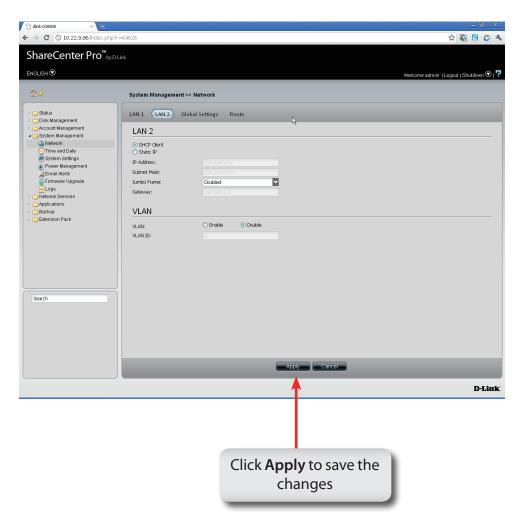
	System Management,	 dink-030800 × ↔ → C 10.22.9.86/ndex.php? 	r=19381		- 0 ×
Network window previews all the network settings.		ShareCenter Pro [™] _{byD}	-Link		
					Welcome admin! Logout Shutdown 🛇 🕇
The	main set of network		System Management >>		
func	tions appear at the top	Gatus Gisk Management Gatount Management		bal Settings Route	
of th	e window. Below are	System Management Arrow Network	DHCP Client	νζ	
their	properties.	⊖ Time and Date	O Static IP IP Address:		
DHCP Client	Click the radio button to obtain the IP address from	Ernail Alerts	Subnet Mask: Jumbo Frame:	255.0.0.0	
	a DHCP server.	ugs ⊳ (Network Services	Gateway:	10.254.254.251	
Static IP	Click the radio button to assign a static IP address to	 Applications Backup Extension Pack 	VLAN		
Statich	the ShareCenter Pro.		VLAN: VLAN ID:	C Enable O Disable	
IP Address	Enter a static IP address.		Port Bonding	○ Enable	
			Port Bonding: Option:	Round Robin	
Subnet Mask	Enter the subnet mask for the IP address.	Search			
Jumbo	Use the drop-down menu to select the larger				
Frame	frame size than standard Ethernet frame size.				
Gateway	Enter the gateway IP address			Apply Cancel	
Gateway	for the ShareCenter Pro.			_	D-Link
VLAN	Enable or disable the VLAN.				
VLAN ID	Enter a VLAN ID when VLAN is enabled.			Click Apply to save th	
				changes	
Port	Enable or disable port bonding which			changes	
Bonding	is also known as port trunking.				_
Option	Use the drop-down menu to select the				
option	port bonding method. Available methods				
	are Round Robin, Active Backup, XOR,				
	Broadcast, 802.3ad, Adaptvie Transmit Load				
	Balancing, and Adaptive Load Balancing.				
	balancing, and Adaptive Load balancing.				

System Management - Network Settings - LAN 2

Step 4: Click LAN 2 button to preview settings for the second LAN installed on the 1100-04.

DHCP Client	Click the radio button to obtain the IP address from a DHCP server.
Static IP	Click the radio button to assign a static IP address to the ShareCenter Pro.
IP Address	Enter a static IP address.
Subnet Mask	Enter the subnet mask for the IP address.
Jumbo	Use the drop-down menu to select the larger
Frame	frame size than standard Ethernet frame size.
Gateway	Enter the gateway IP address
	for the ShareCenter Pro.
VLAN	Enable or disable the VLAN.

VLAN ID Enter a VLAN ID when VLAN is enabled.



System Management - Network Settings - Global Settings

- Click Global Settings to Step 5: provide an network identity for the ShareCenter Pro.
- Host Name Enter the name of the ShareCenter Pro.
- Enter the main DNS address for the ShareCenter Pro. **Primary DNS**
- Secondary Enter the secondary DNS address for the ShareCenter
 - DNS Pro.
 - Gateway Use tl select

Use the drep down many		
Use the drop-down menu	← → C (S 10.22.9.86/index.php?	=30065 😭 🕅 🖸 🖉 🔧
select the LAN interface.	ShareCenter Pro [™] ыу⊅	Link
		Welcome admini Logout Shutdown 📀 🕇
		System Management >> Network
	▷ → Status ▷ → Disk Management	LAN 1 LAN 2 Global Settings Route
	▷ Account Management ▲ ⊖ System Management	Host Name
	G Network	Host Name: dink-030800
	System Settings Power Management Email Alerts	DNS Server
	Firmwere Upgrade	Primary DNS: 10.55.66.254 Secondary DNS:
	Detwork Services Applications	
	▶ <mark>—</mark> Backup ▶ <mark>—</mark> Extension Pack	Default Gateway
		Gateway: LAN 1
	Search	
Click Apply to save the		
Click Apply to save the		Apply Cancel
changes		D-Link

System Management - Network Settings - Route

- Step 6: Click Route to view the Route pane.
- **Create** Click to create a new routing path.
- **Edit** Select a routing path and click the button to edit the routing path.
- **Delete** Select a routing path and click the button to remove the entry from the list.
- Page
 Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (▲), Previous Page (▲), Next Page (▲) or Last page (▲) to search for the group.
- **Refresh** Click **C** to update the group list.

hareCenter Proved later version of topolations later version of	🗋 dlink-030800 × 🕒					- 8
Start System Management Ork Management Out Management Ork Management Interface On On 255 0.0 0 0.0.0 0 Interface Interface Ork Management Interface	→ C ③ 10.22.9.86/index.p	ohp?r=71233				☆ 🐼 🙋 ඊ
Start System Management Ork Management Out Management Ork Management Interface On On 255 0.0 0 0.0.0 0 Interface Interface Ork Management Interface	ShareCenter Pro [™]	by D-Link				
Status System Management Oriki Management Interface Oriki Management Interface System Management Interface System Management Interface Prest Management Interfa						
Sthus Dick Management Accound Management Pystem Management Pystem Settings Postem Settings Double Management Pystem Management Pinnare Upgrade Loss Postem Settings Search					Welc	ome admin! Logout Shutdown V
Dick Kanagement Account Management Option Stangement Option Stangement <tr< td=""><td>\$\$☆</td><td>System Management >> Network</td><td></td><td></td><td></td><td></td></tr<>	\$\$☆	System Management >> Network				
Starth Edited	▷ 🧰 Status ▷ 💼 Disk Management	LAN 1 LAN 2 Global Settings Route		_	_	_
Bradess South Mass Uddrewy Marc Intrate Brytem Settings System Settings 0 LAN1 Draw Upgrade Logs 0.0.0 0 LAN1 Date Settings Display finance 0.0.0 0 LAN1 Applications Backup 0.0.0 0.0.0 0 LAN1 Search Search 0.0.0 0.0.0 0 LAN1	n 🧰 Account Management A 😋 System Management	Create Edit Delete				
Search 224.0.0 255.0.0 0.0.0 0 LAN 1 Power Management Email Auds 255.0.0 0.0.0 0 LAN 1 Email Auds 0.0.0 10.254.254.251 0 LAN 1 Metwork Services Applications Backap 0.0.0 10.254.254.251 0 LAN 1		IP Address	Subnet Mask	Gateway	Metric	Interface
Search 10.0.0 255.0.0 0.0.0 0 LAN 1 I 10.0.0 defaut 0.0.0 10.254.251.251 0 LAN 1 I defaut 0.0.0 10.254.251.251 0 LAN 1		224.0.0.0	255.0.0.0	0.0.0.0	0	LAN 1
Firmware Upgrade Applications Backup Extension Pack Search Search		10.0.0	255.0.0.0	0.0.0.0	0	LAN 1
Backup Backup Extension Pack Search		default	0.0.0.0	10.254.254.251	0	LAN 1
Search						
		14 4 Page 1 of 1 > >1 😮		_	_	Displaying 1 - 3 of 3
DLi	Search					
DLi		-				
DLi						
DLi						
Di						
D-Lit						
						D-Lin

System Management - Network Settings - Route

Step 7: Click the **Create** button to create a new routing path.

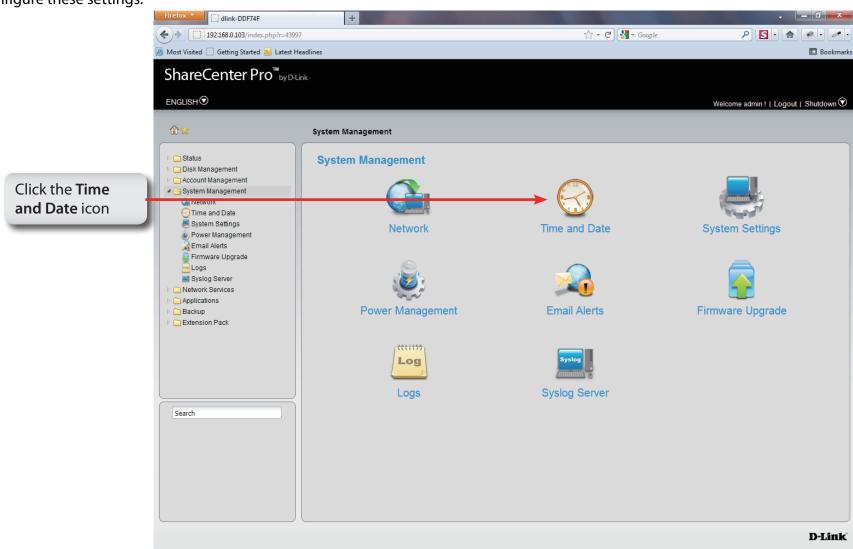
Network Address	Enter an IP address of the routing path.			
Subnet Mask	Enter the subnet mask for the IP address.			
Metric	Enter an integer cost metric for the route.			
Interface	Use the drop-down menu to select the interface.			

Gateway Enter the forwarding or next hop IP address.

Create Rou	Create Route		
Network Address:			
Subnet Mask:			
Metric:	0		
Interface:	LAN 1		
Gateway:			
Ap	ply Cancel		
Click Apply to save the changes			

System Management - Time and Date Settings

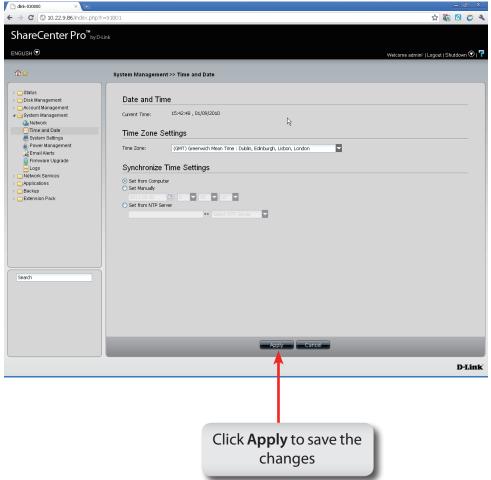
- Step 8: Click the Time and Date icon
 - to configure these settings.



System Management - Time and Date Settings

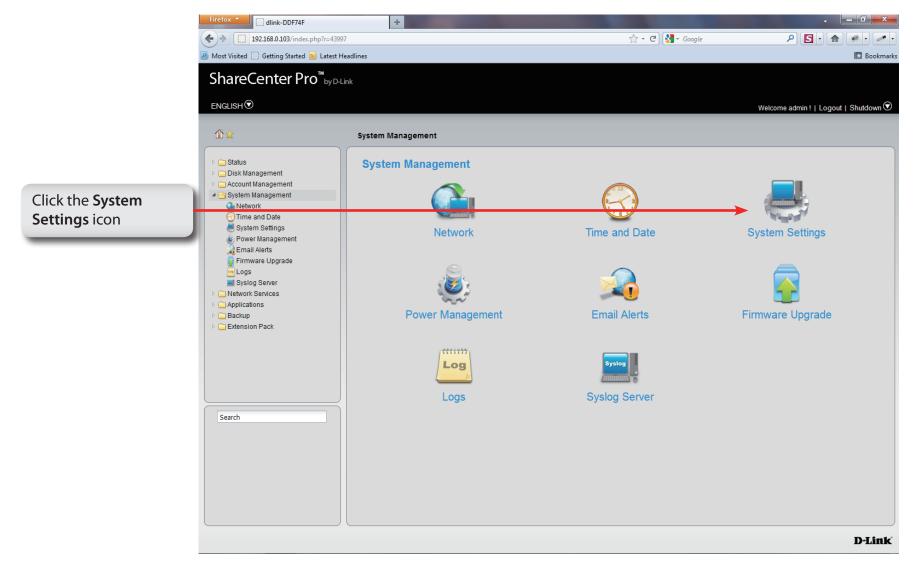
Step 9: Click the Time and Date icon to configure these settings.

Current Time Time Zone	Displays the current time of the ShareCenter Pro. Use the drop-down menu to select the time zone of your area.	
Set from Computer	Click the radio button to synchronize the ShareCenter Pro's time with your computer.	b
Set Manually	Click the radio button to set the time and date manually.	4
Set from NTP Server	Click the radio button and select a NTP server to synchronize the ShareCenter Pro's time with the NTP server.	



System Management - System Settings

Step 10: Click the System Settings icon



System Management - System Settings

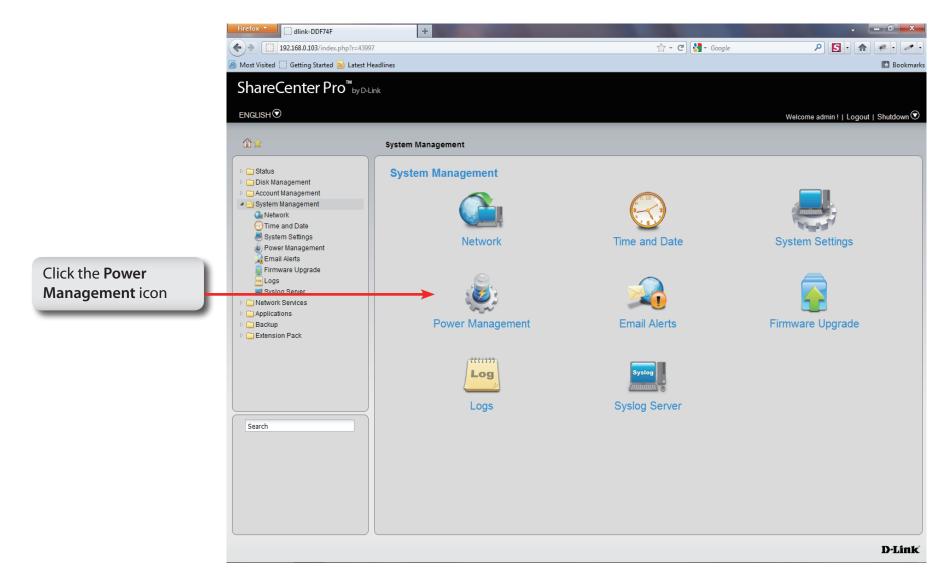
Step 11: The System Settings C h dink-030800 ← → C (③ 10.22.9.86/ndex.php? ☆ 🕼 🙋 👛 🍳 window pane provides ShareCenter Pro[™]by Dilink configuration options for: ENGLISH 🛇 System Management >> System Settings Click the **Save** button to save the current Save C Status Configuration settings to the selected location. Disk Management Configuration Settings Account Management Save Configuration 🛛 😋 System Management Click the **Browse** button to locate the path for Load Network Load Configuration: Choose File No file chosen Time and Date Configuration the configuration file and click Load to load Default Configuration System Settings Power Management the file. Email Alerts Idle Time Settings Firmware Upgrade Logs (Minutes) Web Timeout Click **Restore** to reset the ShareCenter Pro back Network Services 10 Default Applications 🗀 Backup System Overheat Settings **Configuration** to the factory default settings. Extension Pack System Overheat Temperature: Celsius **56** °C Enter a period of time. If the web is idle longer Web Timeout than the time, it will be automatically logged out. **System Overheat** Toggle between Celsius and Fahrenheit and enter Search a temperature. Once the system temperature is **Temperature** over the entered temperature;, the ShareCenter Pro will automatically shut down. Apply Cancel

D-Link

Click **Apply** to save the changes

System Management - Power Management

Step 12: Click the Power Management icon



System Management - Power Management

Settings, select the		System Management >> Powe	r Management			
		Power Saving Settings Scher	dule Power On/Off Settings UPS			
	ences that best suite	Hard Drive Hibernation	Hard Drive Hibernation Settings			
your needs.		Hard Drive Hibernation: Turn Off Hard Drive:	C Enable Disable After 5 minutes			
		OLED Display Settings	;			
Hard Drive Hiberation	Click Enable to enable the function.	OLED Display:	Sleep After 10 Secs			
		Auto Power Recovery	Settings			
Turn Off	Use the drop-down menu to select an idle time, after	Auto Power Recovery:	Enable Disable			
Hard Drive	which the hard drives will enter into hibernation	Fan Control				
	mode.	Туре:	Auto (Low/High)			
OLED Display	Use the drop-down menu to select an idle time, after which the OLED will be turned off.					
Auto Power	Click Enable to have the power restored					
Recovery	when encountering a power failure.					
Туре	Use the drop-down menu to select a fan speed mode. Available choices are Auto (Off/Low/High), Auto (Low/High) and Manual (Always on High).					
			Apply Cancel			
	(),,,,,,,		Ĩ			

Click **Apply** to save the changes

System Management - Schedule Settings

Step 14: Click the Schedule Power On/off Settings tab to see the following window. This function will be deactivated if the schedule is configured at the same time as the firmware update.

Click Enable to set a schedule for automatic system power on and off.
Use the drop-down menus to select the time of system power on and off.

System Management >> Power Management

Power Saving Settings Schedule Power On/Off Settings UPS

Schedule Power On/Off

Schedule On / Schedule Off

	Schedule On	Schedule Off
SUN:	☑ 6 🔽: 00 🔽	0 🔽 00 🔽
MON:	🔲 0 🔽 🛛 🔽	0 🔽 00
TUE:	🔲 0 🔽 00 🔽	0 🔽 00
WED:	📃 0 🔽 00 🔽	0 🔽 00
THU:	🔲 0 🔽 00 🔽	0 🔽 00
FRI:	0 🔽 00 🔽	0 🔽 00 🔽
SAT:	🖸 0 🔽: 00 🔽	0 🔽 00

Cance Click Apply to save the changes

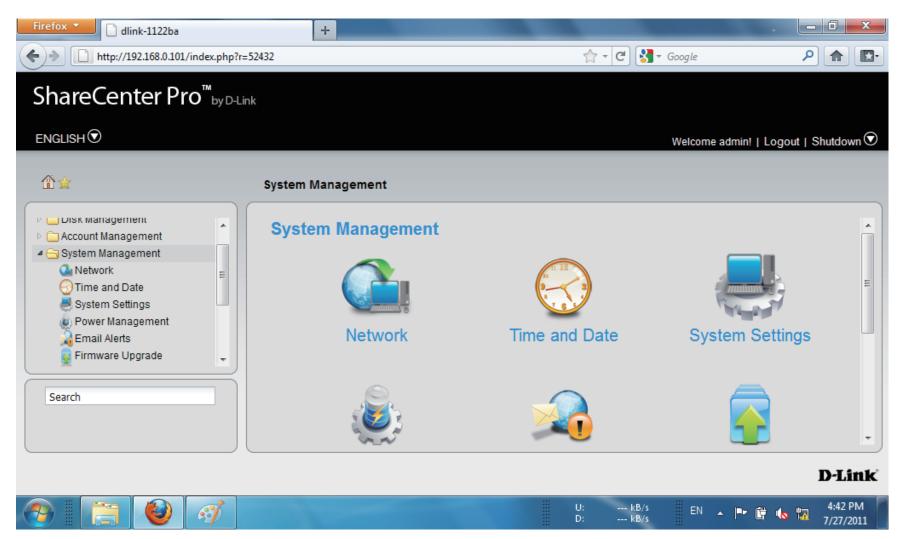
System Management - Power Management - UPS

Follow these steps to configure a UPS device to the NAS. This function provides a way for the NAS to monitor the UPS status through the network. This device plays the role of the master and standalone if its connected with a USB cable. If it is not connected in this way, the device will play the role as the slave. In the slave role it will monitor the UPS status through the network.

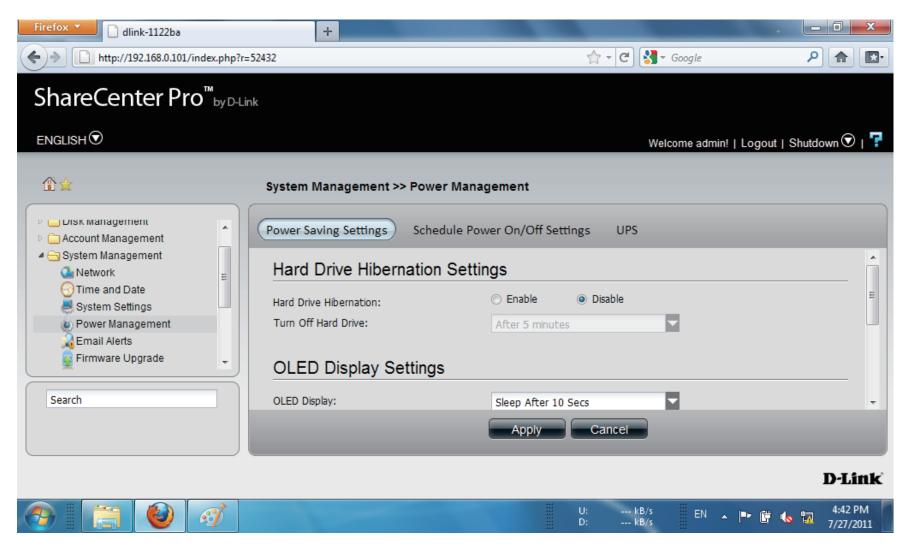
Step 1: Log-in to the NAS.

Firefox dlink-1122ba	+			100	_ 0 _ X
← → http://192.168.0.101/login.php?r=324	172		🟫 🔻 🤁 🚼 ד Go	ogle	۹ 🖻 🖪
ShareCenter Pro [™] byD-Link					
0					
		your account:			
	System Adr	ministrator (Admin)			
	○ Others:				
	Password:				
		Remember me			
			Login		
			U: kB/s D: kB/s	EN 🔺 📭 🛱 🔥	4:40 PM

Step 2: Click System Management



Step 3: Click Power Management



Section 3 - Configuration

Step 4: Click UPS

UPS has two modes, Master and Standalone

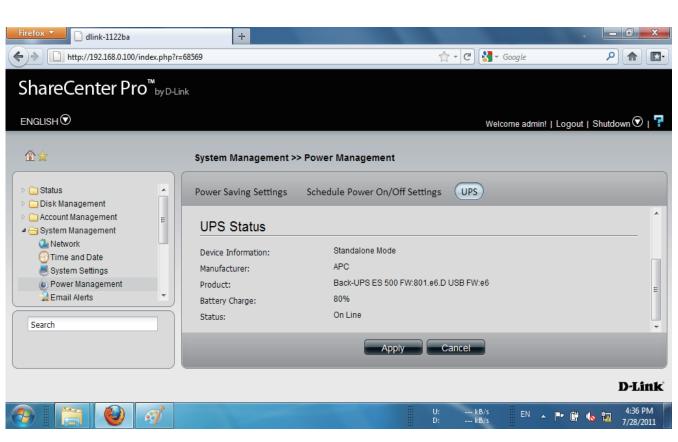
From the drop-down list select **Standalone**

Firefox Image: Constraint of the second	+	
ShareCenter Pro [™] by 0	D-Link	
		Welcome admin! Logout Shutdown 오 👎
\$\$	System Managemen	t >> Power Management
 Status Disk Management Account Management System Management Network Time and Date System Settings Power Management Email Alerts 	Power Saving Settings UPS Mode: UPS Status Device Information: Manufacturer:	s Schedule Power On/Off Settings UPS
		D-Link
📀 📋 🙋 🛷		U: kB/s EN 🔺 📭 🛱 🌄 4:36 PM D: kB/s EN 🔺 📭 🛱 🌄 7/28/2011

Step 5: Once you have selected Standalone mode, scroll down to UPS Status.

> The UPS Status provides Device Information, Manufacturer, Product, Battery Charge, and Status.

Click Apply to continue



Step 6: The alternative is to select **Master UPS mode**.

The Master UPS mode has three slave device IP address inputs.

Firefox T dlink-1122ba	+		- 0 - X
+ http://192.168.0.100/index.php	?r=68569	🚖 🔻 🤁 🚼 🛪 Google	۹ 🗈 🗈
ShareCenter Pro [™] ₅yD	-Link		
		Welcome admin!	Logout Shutdown 오 루
12 ☆	System Management >> F		
 ▷ ☐ Status ▷ ☐ Disk Management ▷ ☐ Account Management 		Schedule Power On/Off Settings UPS	
 System Management Network Time and Date System Settings 	UPS Mode: IP Address 1:	Master	
Power Management	IP Address 2: IP Address 3:		
Search		Apply Cancel	•
			D-Link
		U: kB/s EN 🔺 D: kB/s	▪ 🛱 ሌ 📆 4:37 PM

Step 7: Enter an IP address into the field provided.

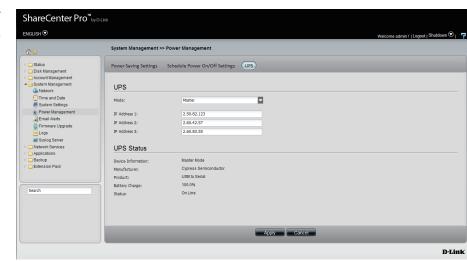
Click **Apply** to submit the changes.

Firefox I dlink-1122ba	+		_ 0 <u>×</u>
http://192.168.0.100/index.php?r	=106377	😭 ▾ 😋 🚼 ▾ Google	₽ 🔒 💽•
ShareCenter Pro [™] by D-L ENGLISH [®]	ink	Welcome admin! Logout Shi	utdown 오 । 루
	System Management	t >> Power Management	
 Status Disk Management Account Management System Management Network Time and Date System Settings Power Management Email Alerts 	Power Saving Settings Mode: IP Address 1: IP Address 2: IP Address 3: UPS Status	s Schedule Power On/Off Settings	E
			D-Link
🚱 [🔁 🙆 🧭		U: kB/s EN 🔺 🍽 👘 🔥	5:12 PM 7/28/2011

Step 8: A network UPS slave communicates with network UPS master to receive the UPS status. To set up your NAS with UPS as network slave mode, follow the steps below:

1. Make sure the NAS is connected to the same physical network as the network UPS master.

- 2. Select the option "Enable Network UPS".
- 3. Enter the IP address of the network UPS master.
- 4. Click "Apply" to confirm.

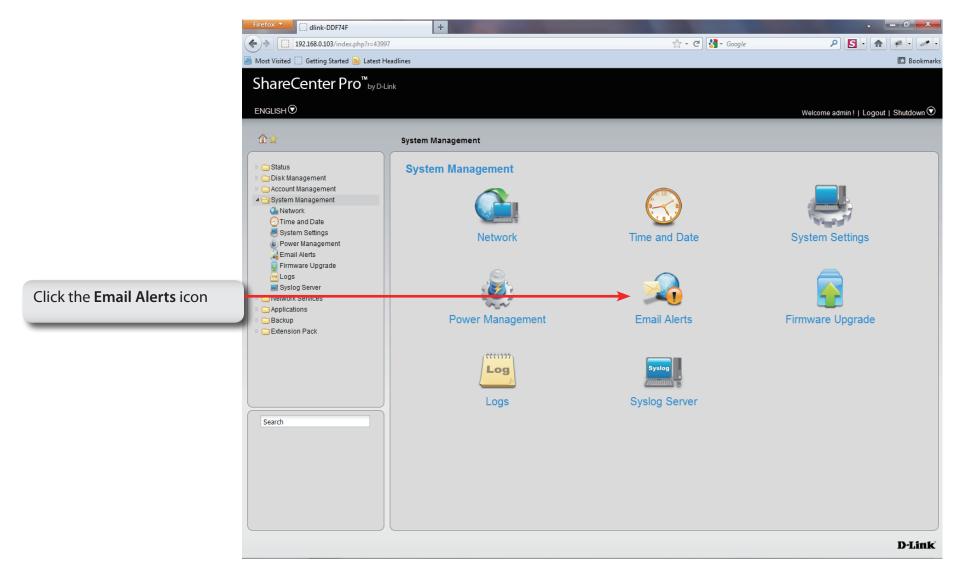


± 10 ≤	System Management >>	Power Management	
Gisk Management Account Management System Management Network	Power Saving Settings	Schedule Power On/Off Settings UPS	
Time and Date System Settings Power Management Email Alerts Firmware Upgrade	Network UPS IP: UPS Status	2.60.42.47	
Systog Server Network Services Chetwork Services	Device Information: Manufacturer: Product: Battery Charge: Status:	Slave Mode 100% On Line	
Search			
		Apply Cancel	

Note: Configuring network UPS is not the default configuration. Ask a systems administrator to assist you with all configuration operations. This feature is ideal for SOHO and medium size businesses that use more than one UPS and NAS. Make sure your network supports network UPS alerts.

System Management - Email Alerts

Step 15: Click the Email Alerts icon.



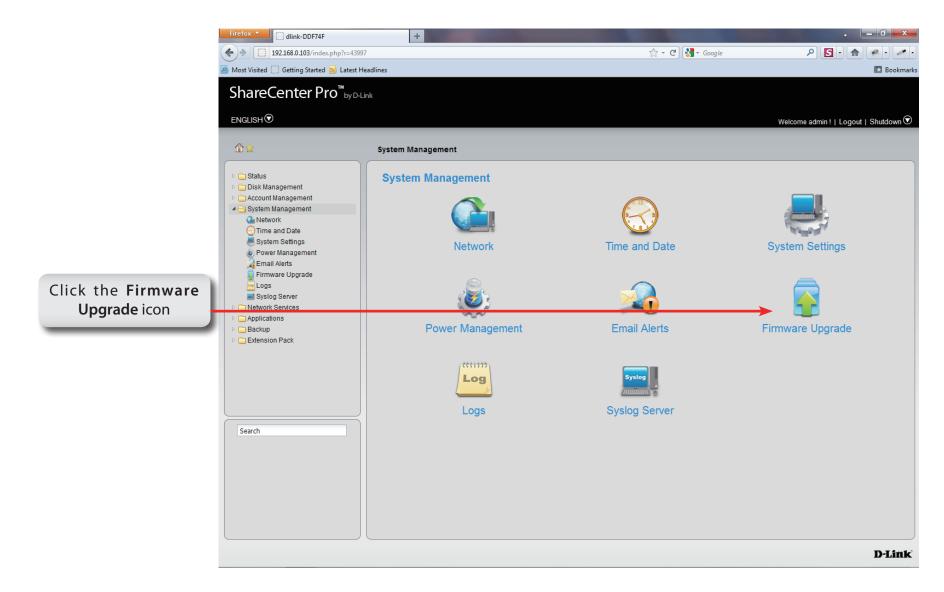
System Management - Email Alerts

- **Step 16:** Click the **Email Alerts** icon to configure the email alert settings.
 - Email Alert Click the radio buttons to enable or disable the e-mail alert function.Login Method Use the drop-down menu to select the login method. If the SMTP server requires
 - login method. If the SMTP server requires authentication, select **Login**. If not, select **Anonymous**.
 - User Name If Login is selected in Login Method, enter the user name of the e-mail account.
 - Password If Login is selected in Login Method, enter the password of the e-mail account.
 - **Encryption** Select **SSL/TLS** if the SMTP server requires authentication.
 - **SMTP Server** Enter the IP address of the SMTP server.
 - **Port Number** Enter the port number of the SMTP server.
 - Sender E-mail Enter the sender's e-mail address.
- **Receiver E-mail** Enter the e-mail address that the e-mail alert sends to.
 - Test E-mailClick the Test E-Mail buttonto send a test e-mail.
 - Event AlertTick the check boxes to select the situation thatSettingswill cause the e-mail alert to be sent out.

Email Alert:	🔘 Enable 💿 Disable		
Login Method:			
User Name:			
Password:			
Encryption:	O SSL/TLS		
SMTP Server:			
Port Number:			
Sender E-mail:			
Receiver E-mail:			
Test E-Mail:	Test E-Mail		
Test E-Mail: Event Alert S			
Test E-Mail: Event Alert S	Settings Password Has Been Changed		
Test E-Mail: Event Alert S Administrator's Firmware Has B	Settings Password Has Been Changed		
Test E-Mail: Event Alert S Administrator's Firmware Has E Network Settir	Settings Password Has Been Changed een Upgraded		
Test E-Mail: Event Alert S Administrator's Firmware Has E Network Sethir	Settings Password Has Been Changed een Upgraded gs Have Been Changed rature Has Been Exceeded		
Test E-Mail: Event Alert S Administrator's Firmware Has B Network Settir System Tempe S.M.A.R.T Tes	Settings Password Has Been Changed een Upgraded gs Have Been Changed rature Has Been Exceeded		
Test E-Mail: Event Alert S Administrator's Firmware Has E Network Settir System Tempe S.M.A.R.T Tes System Has Re	Settings Password Has Been Changed een Upgraded gs Have Been Changed rature Has Been Exceeded : Has Finished		
Firmware Has E Network Settin System Tempe S.M.A.R.T Tes System Has Re	Settings Password Has Been Changed een Upgraded gs Have Been Changed rature Has Been Exceeded Has Finished booted From A Power Failure atus Has Been Changed	(Minutes)	

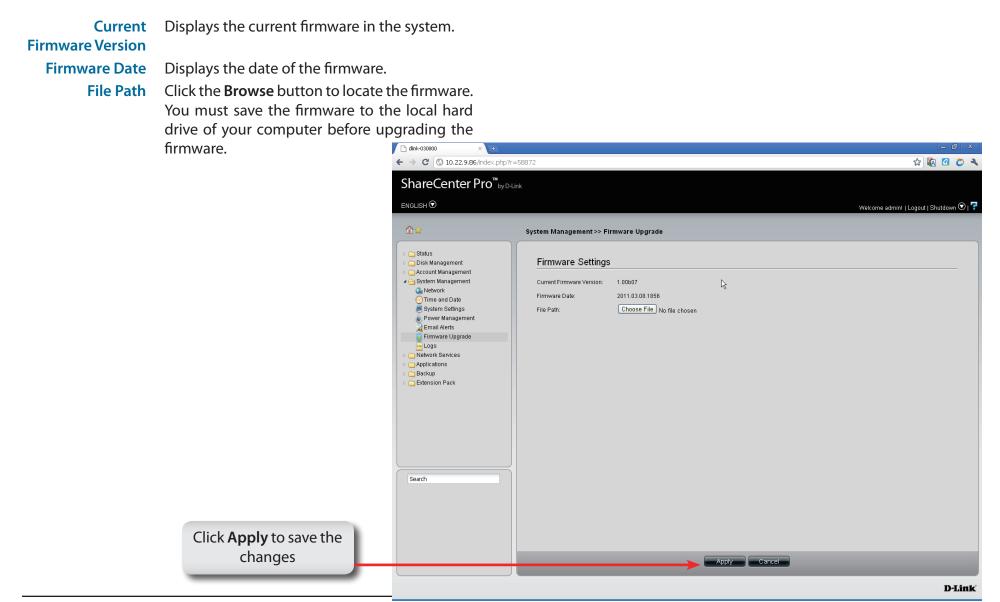
System Management - Firmware Upgrade

Step 17: Click the Firmware Upgrade icon.



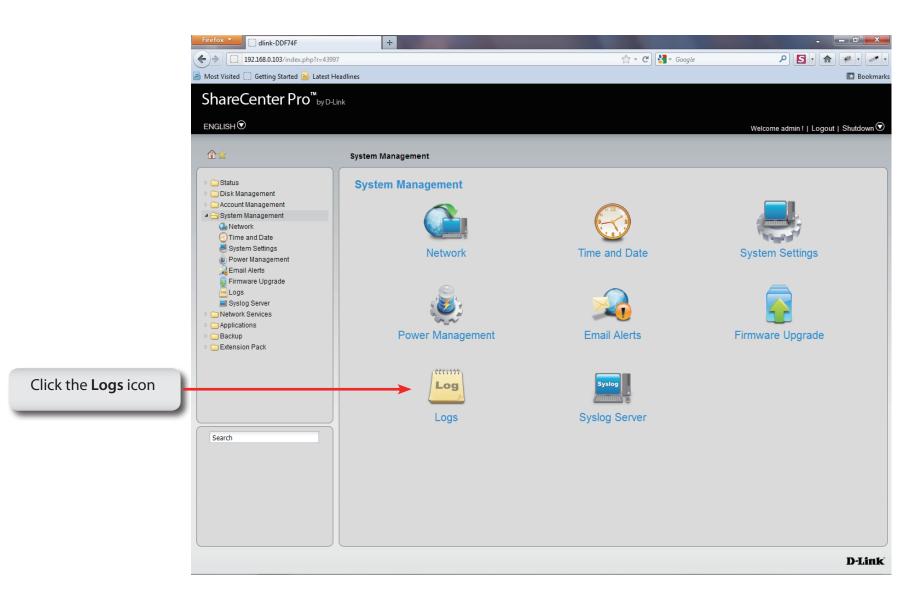
System Management - Firmware Upgrade

Step 18: Under Choose File, select a file to update the firmware.



System Management - Logs

Step 19: Click the Logs icon



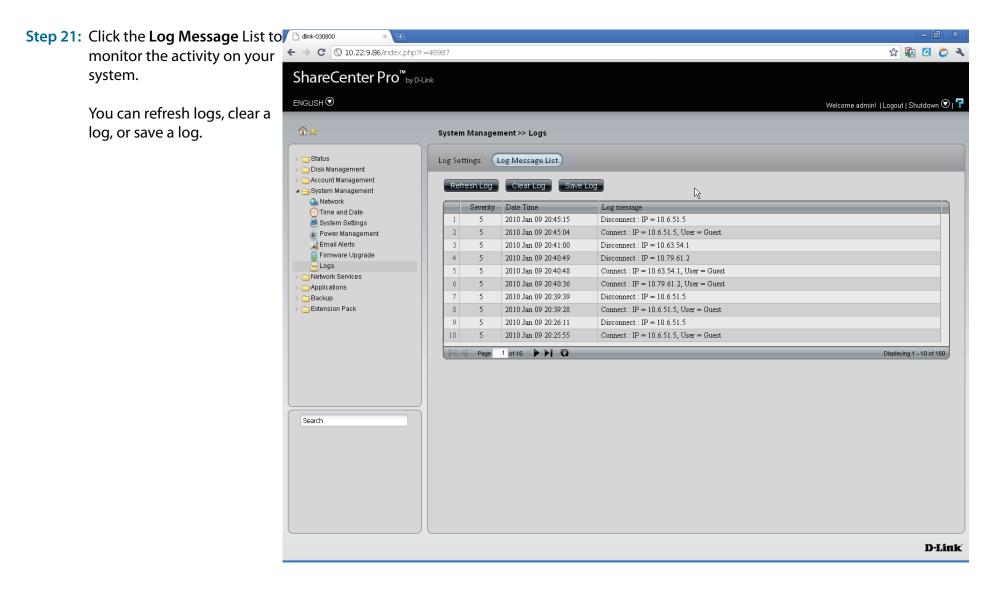
System Management - Logs

Step 20: Configure the **log** settings based on your needs. The list includes:

Log Settings Click the radio buttons to enable various situations which will be recorded in the logs.

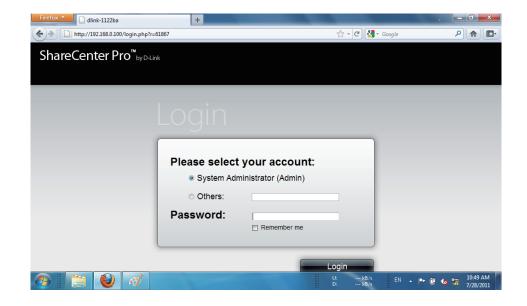
System Log: Keeps a log of your system	C dlink-030800 × ← → € ③ 10.22.9.86/ii	× 🖈	- @ × & 🐼 0 2
stats.	← → c © 10.22.9.86/m ShareCenter P		N 🛛 🖓 🖓
NFS: Enable Network File Systems to access files over the network.			Welcome admin! Logout Shutdown 오 👎
CIFS: Provides shared access to files. FTP: File transfer Protocol to setup file	☆	System Management >> Logs	
transfer.	▷ 🛅 Status ▷ 🛅 Disk Management	Log Settings Log Message List	
Event: To monitor your events on your NAS.	 Account Management System Management System Management Time and Date System Settings Power Management Email Alerts Firmware Upgrade Acplications Backup Extension Pack 	Log Settings System Log: Enable Disable CIFS: Enable Disable FTP: Enable Disable Event: Enable Disable 	
		Apply Cancel	D-Link

System Management - Logs



System Management - Syslog Server

Step 22 Log in to your NAS.



Step 23 Click System Management.



Step 24Under System Management, Syslog Server, clickEnable Syslog Server.

Click **Apply** to continue.

Firefox	+	the second se	_ 0 _ X
http://192.168.0.100/index.php	?r=102038	🟫 🗕 😋 🔀 🗝 Google	۹ 🗈 💽
ShareCenter Pro [™] _{byD}	Łink		
ENGLISH		Welcome admin! Logout	Shutdown 🛈 루
1 ☆	System Management >> Syslog Serv	ver	
Network Time and Date System Settings Power Management Email Alerts Firmware Upgrade Logs Syslog Server Network Services Search	Syslog Server Syslog Server Rule Syslog Server Image: Comparison of the system of the sys	Apply Cancel	
			D-Link
📀 📋 🙋 🛷		U: kB/s EN 🔺 🏴 📴 u D: kB/s	10:52 AM

System Management - Syslog Server Rule

Follow these steps to create a Syslog Server Role.

Step 1 Under System Management, Syslog Server, click Syslog Server Rule.

Click Create.	Firefox I dlink-1122ba	+	A CONTRACTOR OF A CONTRACTOR A	
	♦ ♦ http://192.168.0.100/index.php	?r=102038	🚖 🔻 🥙 🚷 🛪 Google	▶ 🟦 💽
	ShareCenter Pro [™] _{by D}	Link		
	ENGLISH		Welcome admin! Logout	Shutdown 🛈 루
	≙⊉	System Management >> Syslog Server		
	Network Time and Date System Settings Power Management Email Alerts Firmware Upgrade Logs Syslog Server Search	Syslog Server Syslog Server Rule Create Eoit Delete Enable / Disa Rules Name Log Files	ible Rule Clean Log Donwload Log Status	E
				D-Link
	📀 📄 🙆 🚿		U: kB/s EN 🔺 🍽 🛱	10:53 AM 7/28/2011

Step 2 Under Create Syslog Server Rule, create a Rule Name

Click Next to continue.

Firefox 🔻 🗋	dlink-1122ba	+			_	•	_ 0 X
http://	//192.168.0.100/index.php	?r=102038			☆ ▼ C C Google		₽ ⋒ 🗗
ShareCe	nter Pro [™] ₀₀₀	J ink				_	
ENGLISH	Create Sys		Rule			8	nutdown 交 루
\$\$	Rule Name						
O Network	Rule Name:	admin					
Time and							*
Power Ma							
Email Ale						-	
🔤 Logs 🔜 Syslog Se							
Search							
			Previous	t Cancel			-
							D-Link
	1				J: kB/s EN D: kB/s EN	- 🖻 🛱 🌜	10:54 AM 7/28/2011

Under Protocols and Severity, select from the Step 3 options available.

> Facility:- Auth, Crons, Daemon, FTP, Kern, LPR, Mail, News, Syslog

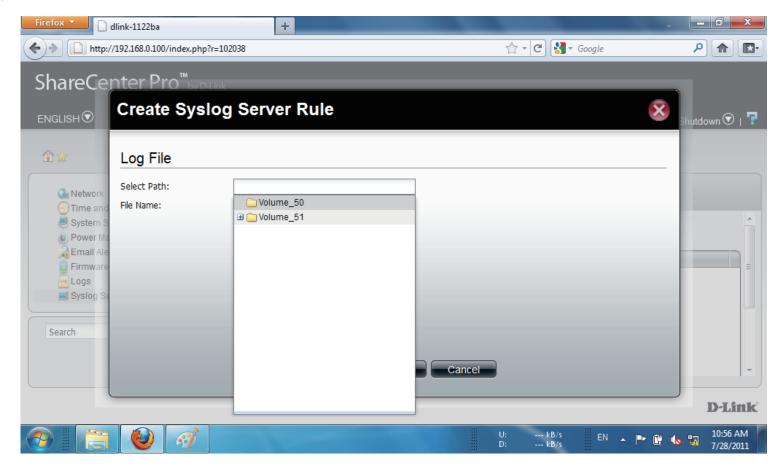
> Severity:- Debug, Information, Notice, Warning, Error, Alert, Critical, Emergency

Click Next	to	continue.
------------	----	-----------

rotoco	le and Ce							
	is and Se	everity						
_	Debug	Information	Notice	Warning	Error	Alert	Critical	Emergency
A11								
Auth								
Cron								
Daemon								
Ftp								
Kern								
Lpr								
Mail								
News								
Syslog								
User								
UUCP								
Local0								
Local1								
Local2								
Loca13								
Local4								
Local5								
Localó								

Step 4 Under **Log File**, browse to the path where you want to save the file.

Type a File Name



Step 5: Click **Next** to continue.

Firefox 🔻 - 0 × dlink-1122ba + 🟫 - C 🚼 - Google ▶ 🟦 🖸 http://192.168.0.100/index.php?r=102038 ShareCenter Pro[™] **Create Syslog Server Rule** × Log File Select Path: /Volume 50 실 Networ File Name: admin_control 💮 Time a 😹 System le Power 🐊 Email / 厬 Firmwa Logs Syslog Search Cancel Previous Next **D**-Link ---- kB/s ---- kB/s 10:57 AM 7/28/2011 EN 🔺 🖿 🛱 🌆

Step 6: Under Log File Rotation.

Click Enable.



Step 7: Enter the Number of Log Files

Click Rotate by Size. Enter the Maximum Log File Size in "MB"

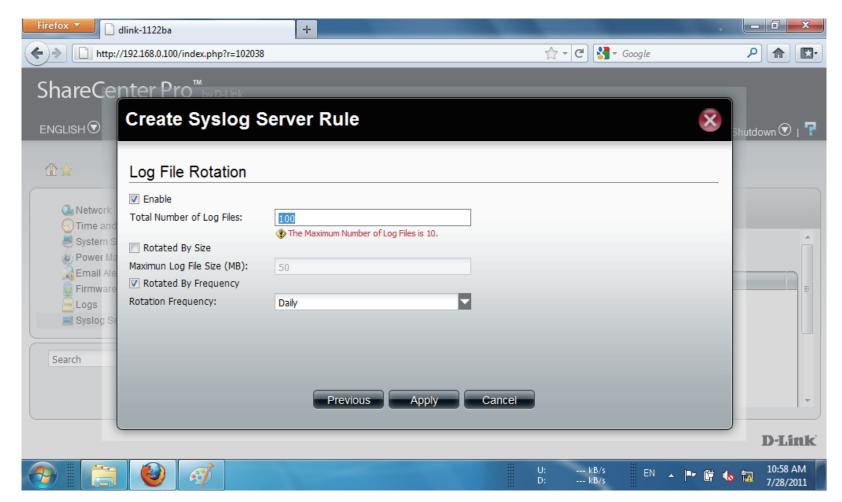
Click Rotate by Frequency.

Rotation Frequency is Daily, Weekly, or Monthly

Click Apply.



Step 8: The Total Number of Log Files cannot exceed "**10**". The warning message prompts you change your configuration.

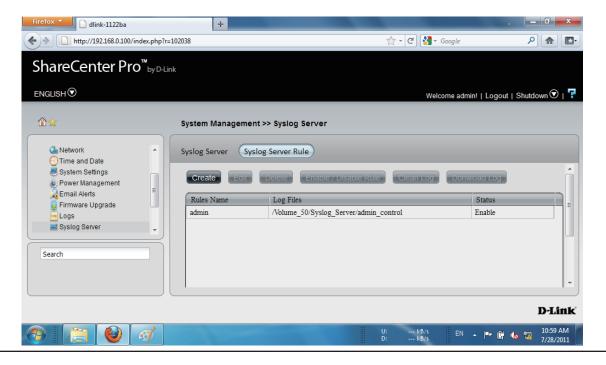


Step 9: Enter the **Log File** amount.

Click Apply.



Step 10: The Rule now appears in Syslog Server Rule table.

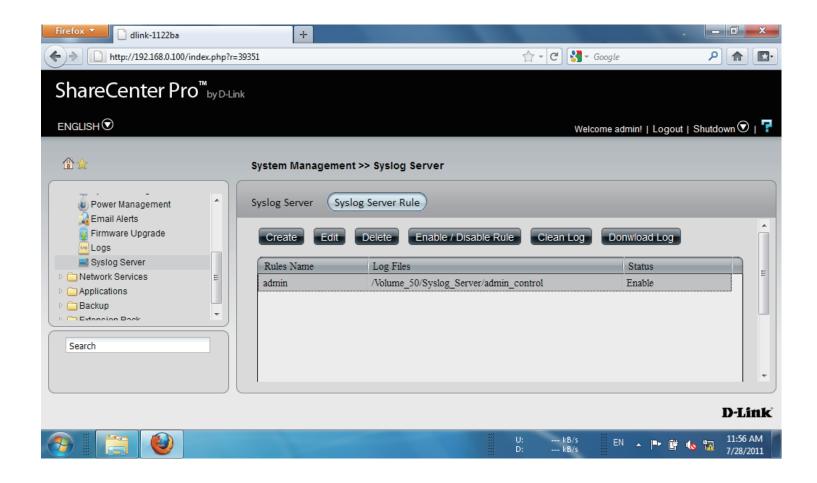


System Management - Edit a Syslog Server Rule

Follow these steps to edit a Syslog Server Rule:

Step 1: Select the Server Rule you wish to edit

Click Edit.



Step 2: The **Rule Name** window is first.

However, the **Rule Name** cannot be edited.

Click Next to continue.



Step 3: Under **Protocols and Severity**, select from the options available.

Select or deselect the options you want to edit

Click Next to continue.

Create Syslog Server Rule

	Debug	Information	Notice	Warning	Error	Alert	Critical	Emergency	l
A11									-
Auth									
Cron									
Daemon									
Ftp									
Kern									
Lpr									
Mail									
News									
Syslog									
User									
UUCP									
Local0									
Local1									
Local2									
Local3									
Local4									
Local5									L
Local6									

Step 4: Edit the Log File, the path and/or File Name.

Firefox T	dlink-1122ba	+				+	- 0	x
http://	//192.168.0.100/index.php	o?r=39351		2	r 🔻 🕑 🚼 🛪 Google		۹	
ShareCe	nter Pro™ _{byr}	H ink						
ENGLISH	Edit Syslo	g Server Rule				8	hutdown 🕤	017
\$\$	Log File							
	Select Path:	/Volume_50						
😓 Power Ma	File Name:	admin_control_1						
Firmware								Â
Logs								
Syslog Se 📄 Network Ser						-		E
Applications								
▷ 🚞 Backup								
Search								
			Neut	Canad				
		Previo	ous Next	Cancel				
							D-L	ink
	0			U: 	kB/s EN kB/s	- 🖻 🛱 🌜	11:58 7/28/	

- Step 5: Edit the Log File Rotation according to your requirements.
 - Click Apply.

The changes take effect immediately.

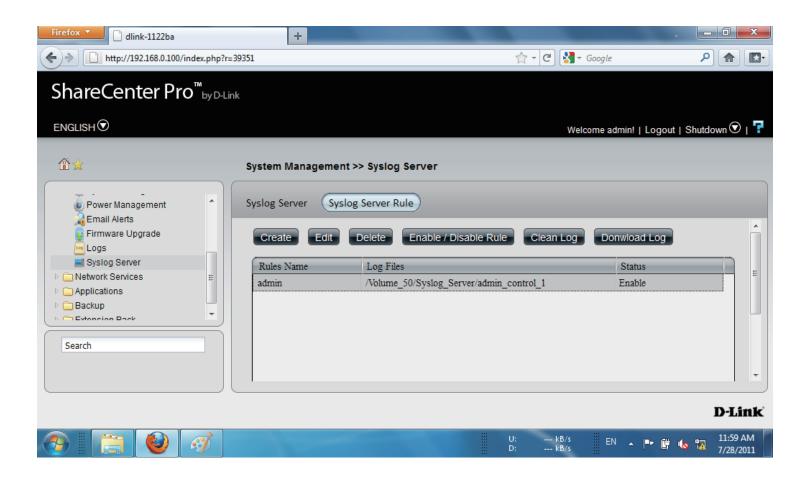
Firefox 🔻 🗋	dlink-1122ba	+				+	_ 0 _ X
http://	//192.168.0.100/index.php?r=39351			☆ -	C 🚼 🛪 Google		₽ ♠ 💽•
	nter Pro [™] Edit Syslog Ser	vor Bulo					
ENGLISH 🕤	Eult Syslog Sel	ver Rule				8	hutdown 文 루
@★	Log File Rotation						
Power Ma Email Ale Firmware Logs Syslog Se P Network Ser P Applications Backup	 Enable Total Number of Log Files: Rotated By Size Maximun Log File Size (MB): Rotated By Frequency Rotation Frequency: 	10 100 Weekly					
		Previous	Apply	Cancel			- D-Link
	1			U: D:	kB/s EN kB/s	- 🖻 🛱 🌜	11:58 AM 7/28/2011

System Management - Delete a Syslog Server Rule

Follow these steps to edit a Syslog Server Rule.

Step 1: Select the Server Rule you wish to delete

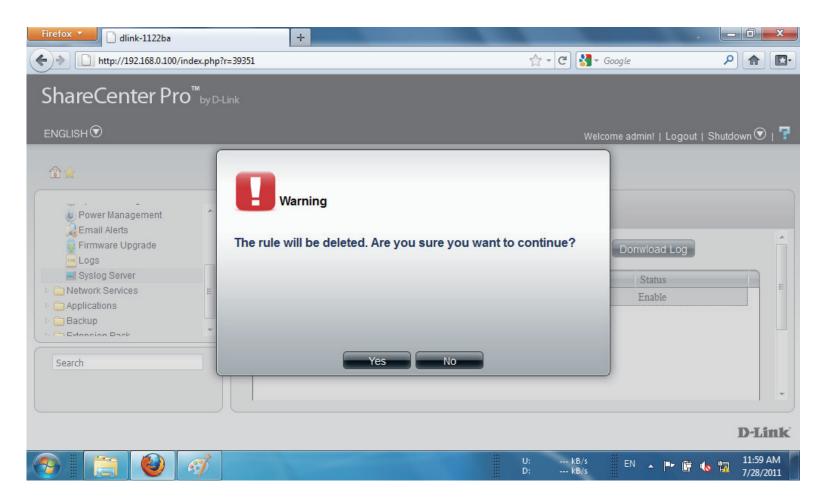
Click Delete.



Step 2: A warning message asks you to confirm your selection.

Click Yes to delete the Rule.

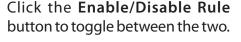
Click **No** to cancel your configuration.



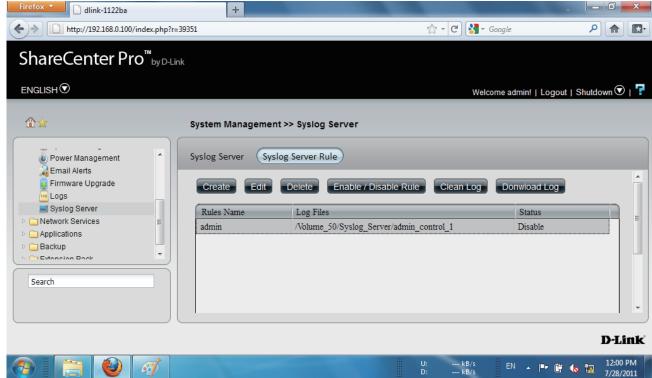
System Management - Enable/Disable a Syslog Server Rule

Follow these steps to toggle between enabling and disabling a Syslog Server Rule:

Step 1: Select the Server Rule you wish to enable or disable



The **Status** column will indicate whether the device is enabled or disabled.

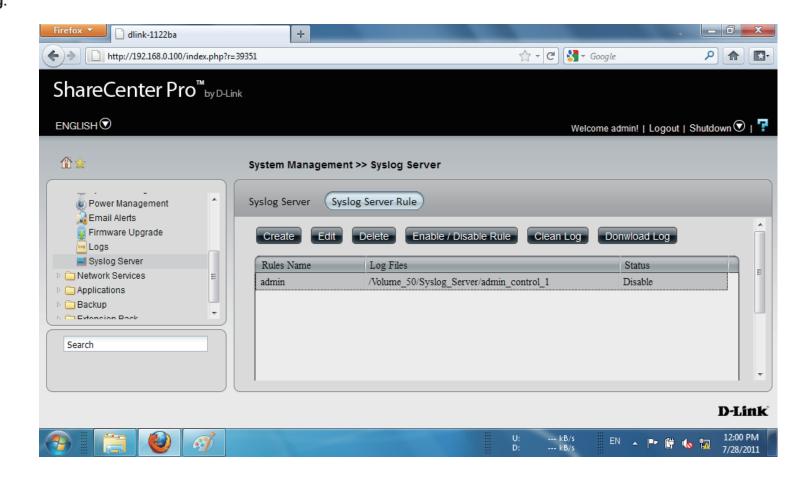


System Management - Clearing a Syslog Server Log

Follow these steps to clear a Syslog Server Log File:

Step 1: Select the Server Log you wish to clear.

Click Clean Log.



Step 2: A warning message appears to notify you that the log will be deleted.

Click **Yes** to clear the **Log** file.

Click **No** to make no changes.

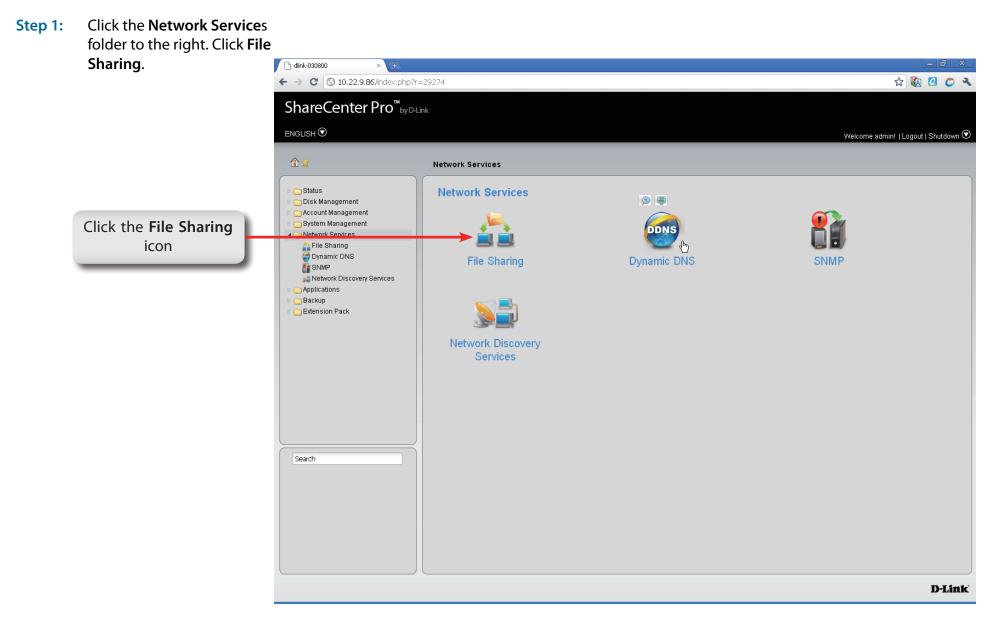
Click the **Download Log** button to download the log.

Firefox 🔻 🗋 dlink-1122ba	+					_ 0 X
http://192.168.0.100/index.php?r=	39351			☆ - ሮ 🚼 -	r Google	۹ 🗈 🖸
ShareCenter Pro [™] ₀yD4.ir	nk					
ENGLISH				We	lcome admin! Logout	Shutdown 文 루
Power Management Email Alerts Firmware Upgrade Cogs Syslog Server Applications Backup Centered Back Search	Warning The log will be deleted.	Are you sure you Yes No	I want to co	ntinue?	Donwload Log Status Enable	
						D-Link
📀 📋 🔮 🎻		-	U:	kB/s kB/s	EN 🔺 🖿 🛱 1	lo 📅 12:00 PM 7/28/2011

Chapter 13 - Software - Network Services

The D-Link ShareCenter Pro 1100-04 allows you to monitor and configure Network Services. Let's take a look.

Software - Network Services



Software - Network Services - File Sharing

Step 2:	The File Sharing	Network Services >> File Sharing						
	configuration window offers							
	five important protocol	File Sharing FTP CIFS DFS						
	options.	File Sharing						
	CIFS:	CIFS: O Enable O Disable						
	FTP:	FTP: O Enable O Disable						
	NFS:	NFS: O Enable O Disable						
	DFS:	DFS: Enable Disable						
	Quota:	Quota: O Disable						
	AFP:	AFP: O Enable O Disable						
	WebDAV:	WebDAV: Enable Disable						
	Each of these protocols can be configured. Select the choices you want to enable and click Apply .	(Notice: Applying any share to NFS or AFP service will disable oplocks.)						
		Apply Cancel						
		Click Apply to save the changes						

Software - Network Services - File Sharing - FTP

Step 3: Click the FTP tab

Control Port	The default port for FTP is 21. Enter a port number in the range of 1025 to 3688, 3690 to 49999, and 65501 to 65535.
Port Range of Passive FTP	The default port range for passive FTP is from 55536 to 55663. Click the Use the following port range radio button and manually enter the port range from 1025 to 65535.
Respond with external IP address for Passive mode	Click Enable to respond with external IP address for the passive FTP connection request.
Client Language	Use the drop-down menu to select the supported language for the FTP clients.
Max Connections	Use the drop-down menu to select the maximum number of concurrent FTP connection.
Max Connections per IP	Use the drop-down menu to select the maximum number of concurrent FTP connection per IP address.
Connection Idle Time	Use the drop-down menu to select the time that the FTP server logs out the user after this period of idle time.
Bandwidth Restriction	Click Enable to restrict the bandwidth of each FTP connection. Enter the number in KB/s for the maximum speed of upload and download.
Anonymous Support	Click Enable to allow anonymous FTP to log in.
SSL/TLS Connection Only	Click Enable to only allow SSL or TLS connection requests from the FTP clients.

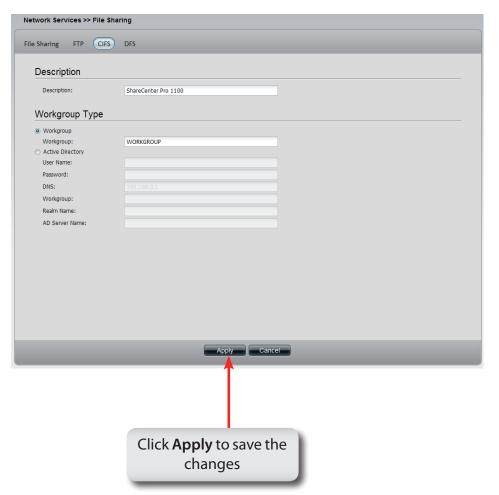
Network Services >> File Sharing

Connection Settings	
Control Port: 21	
Port range of Passive FTP:	
 Use the default port range (55536~5) Use the following port range: 55536 	
Respond with external IP address for Pa	
External IP address:	
Client Language: Unicode	
Connection Restrictions	
Max Connections:	64
Max Connections per IP:	02
Connection Idle Time:	05 Minutes
Bandwidth restriction:	Enable O Disable
Max upload rate per connection:	0 KB/s (0 KB/s means unlimited.)
Max download rate per connection:	0 KB/s (0 KB/s means unlimited.)
Security Settings	
Anonymous Support: 💿 E	Enable 🔿 Disable
SSL/TLS Connection Only:	Enable
	Apply Cancel
	Click Apply to save the changes

Software - Network Services - File Sharing - CIFS

Step 4: Click the CIFS tab to configure this protocol

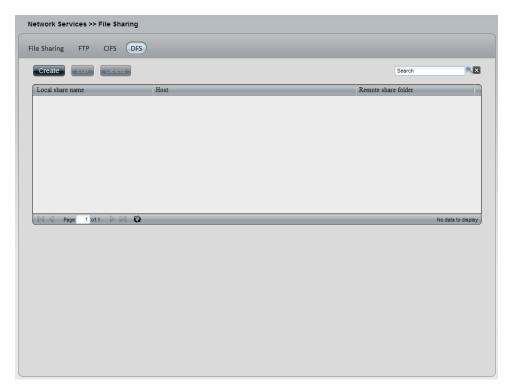
Description Workgroup	Enter the description of your device. Click the radio button to choose the system to be in a workgroup. Enter the name of the workgroup in the field.
Active Directory	Click the radio button to choose the system to be in an Active Directory (AD).
User Name	Enter the AD server account name.
Password DNS	Enter the AD server account password. Enter a DNS IP address to analyze the domain name of the AD server.
Workgroup	Enter the name of the workgroup which should be the same as the computers on the network.
Realm Name AD Server Name	Enter the AD server domain name. Enter the AD server hostname.



Software - Network Services - File Sharing - DFS

Step 5: Click the DFS tab to configure this protocol

- Create Click to add a new DFS share.
- **Edit** Select a local share name and click the button to edit the **DFS** share.
- **Delete** Select a local share name and click the button to remove the entry from the list.
- **Search** Enter the search keyword and click search for the DFS share. Click to clear the search field and see all the entries.
 - Page Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (14), Previous Page (14), Next Page (14) or Last page (14) to search for the group.
- **Refresh** Click To update the group list.



Software - Network Services - File Sharing - DFS

Step 6: Click the Create button to add a new DFS share.

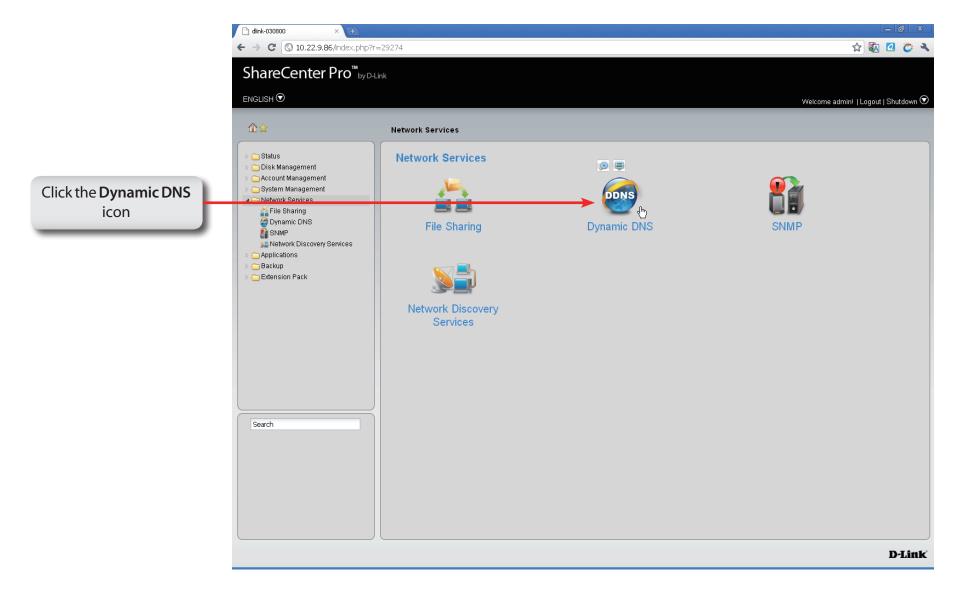
Host
Remote
share folder
Local share
name

Enter an IP address, a host name or a URL in the field. Enter a remote share folder location manually, or click the **Get Host Share Folder** button to search for one. Enter the local share name in the field.

Create DFS S	share 🛞
Host:	
Remote share folder:	Get Host Share Folder
Local share name:	
	Click Apply to save the changes.

Software - Network Services - Dynamic DNS

Step 1: Click the Dynamic DNS folder



Software - Network Services - Dynamic DNS

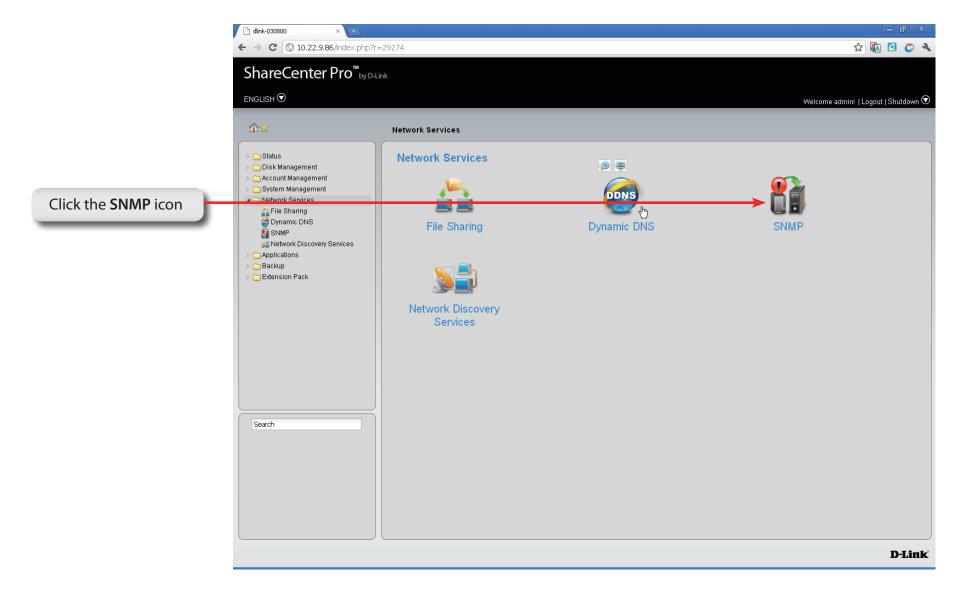
Step 2: Click the Dynamic DNS folder

Dynamic DNS	Click the radio button to enable or disable the dynamic DNS function.
Server Address	Use the drop-down menu to select a dynamic DNS service provider.
Host Name	Enter the host name.
Username or Key	Enter the username or key provided by the dynamic DNS service provider.
Password or Key	Enter the password or key provided by the dynamic DNS service provider.
Verify Password or Key	Re-type the password or key.
Timeout	Enter a time in hours for periodic updates from the dynamic DNS provider.
Status	Displays the current status to the server.

Dynamic DNS Se	O Enable 💿	Disable	
Server Address:		< Select Dynamic DNS Server	
Host Name:		(e.g.:me.mydomain.net)	
Jsername or Key:		(e.g.me.n/contention)	
Password or Key:			
Verify Password or Key:			
Timeout:		(Hours)	
Status:	Disconnected		
		Apply Cancel	
_	_	Apply Cancel	
		Apply Cancel	
_		Apply Cancel	
_		Apply Cancel	
		Apply Cancel	
		Appiy Cancel	
		Apply Cancel	
		Apply Cancel Click Apply to save the changes	

Software - Network Services - SNMP

Step 1: Click the SNMP folder.



Software - Network Services - SNMP

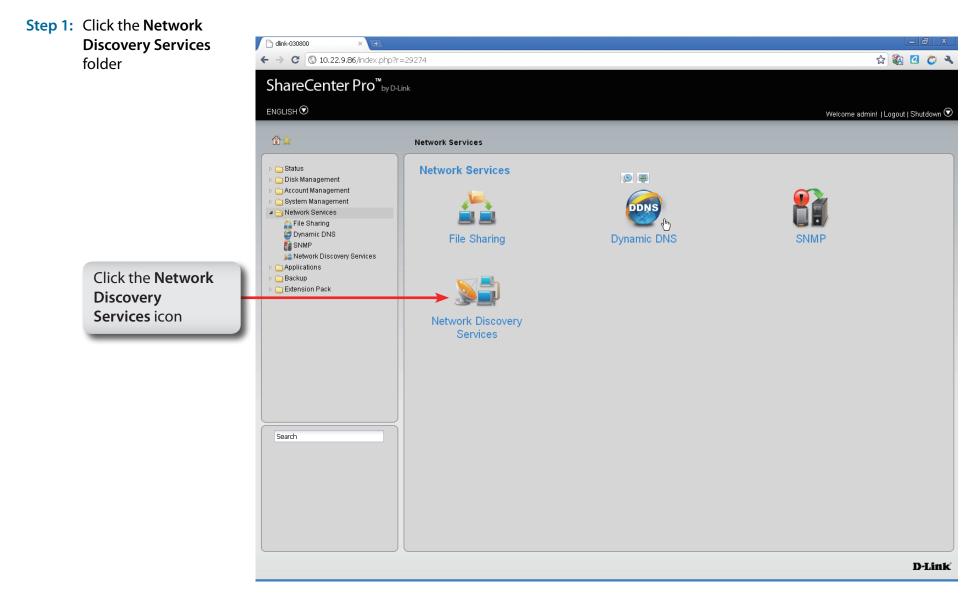
- Step 2: Configure the SNMP settings. SNMP is used to monitor the conditions of the network-attached devices.
 - **SNMP** Enable or Disable SNMP.
 - **SNMP** Enter the name of the SNMP community.

Community

- **Notification** Enable or Disable trap support.
- **Notification IP** Enter the IP address that will receive the notification.

NMP:	O Enable	 Disable 					
NMP Community:	public						
otification:	O Enable	🕲 Disable					
otification IP:							
				Apply Ca	ancel		
-							
					wotho		
			Click Ap				

Software - Network Services - Network Discovery Services



Software - Network Services - Network Discovery Services

Step 2: The Network Discovery Services settings are as follows:

- UPnP Discovery Click Enable to allow the ShareCenter Pro to be discovered on a network via the UPnP discovery protocol.
 - LLTD Click Enable to allow the ShareCenter Pro to be discovered by the network map under Windows Vista or Windows 7.

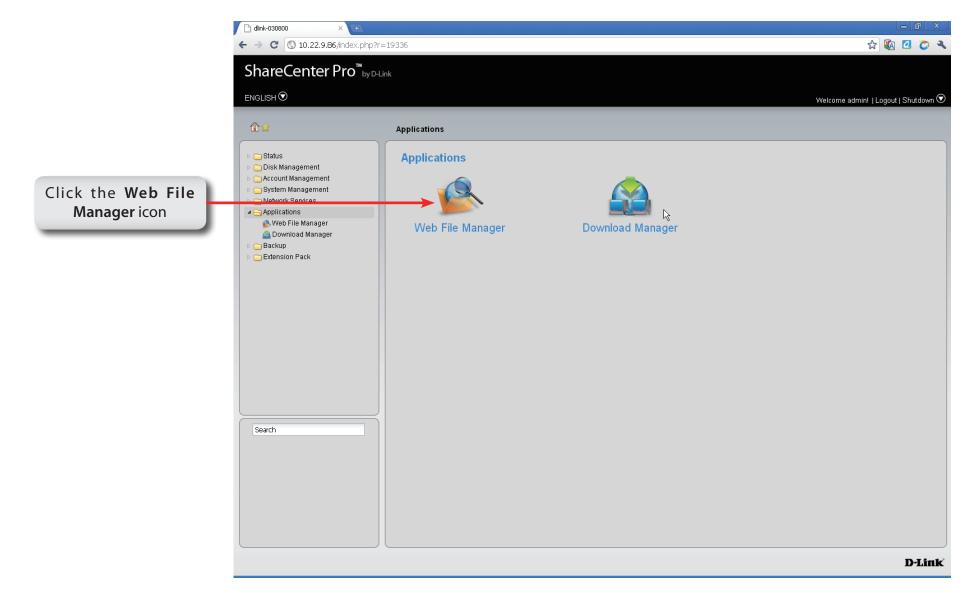
JPnP Discovery:	O Enable	Dirable	
LLTD:	O Enable		
	C Enable	Disaule	
		Apply Cancel	
			
		Click Apply to save the	
		changes.	

Chapter 14 - Software - Applications

The D-Link ShareCenter Pro 1100-04 allows you to configure a Web File Manager and Download Manager. Let's take a look.

Software - Applications - Web File Manager

Step 1: Click the Web File Manager folder



Software - Applications - Web File Manager

- **Step 2:** Configure the **Web File Manager** to start a web server for users to upload and download files through the web browser.
 - Server Click the radio buttons to enable or disable the server.
 - **HTTP Port** Enter the port number for the function. Port 80 cannot be used as it is used for administration purposes.
- **SSL Connection** Click the radio buttons to enable or disable the HTTPS connection.
 - **SSL Port** Enter the port number for the HTTPS connection.

Web File Ma	anager		ß
VVeb File Ma Server: HTTP Port: SSL Connection: SSL Port:	anager C Enable E080 C Enable E081	Disable Disable	
		Clic	k Apply to save the changes.

Step 3:	Click the Download Manager folder				
	-	🗋 dlink-030800 🛛 🗙 💽			
		← → C (③ 10.22.9.86/index.php?r=19			슒 🐼 🖸 🏷 🥆
		ShareCenter Pro [™] by D-Link			
		ENGLISH 🗩			Welcome admin! Logout Shutdown 오
		@☆	Applications		
		 ▷ ☐ Status ▷ ☐ Disk Management 	Applications		
	Click the Download	Carl Account Management Carl System Management Carl Natwork Sociese			
	Manager icon	Applications Web File Manager Download Manager Backup Extension Pack	Web File Manager	Download Manager	
		Search			
					D-Link

- **Step 4:** The **Download Manager** is used to schedule downloading files from teh FTP or HTTP sites.
 - **Create** Click to add a new download job.
 - Edit Select an entry and click the button to edit.
 - **Delete** Select an entry and click the button to remove the entry from the list.
 - Page Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (1), Previous Page (1), Next Page (2) or Last page (2) to search for the group.
- Create
 Edit
 Delete

 Status
 %
 Speed
 Download Path
 Save To
 Time

 Status
 %
 Speed
 Download Path
 Save To
 Time

 IV
 %
 Speed
 Download Path
 Save To
 Time

 No data to displa
 No data to displa
 No data to displa

Refresh Click to update the group list.

Step 5: Click the **Create** button to create a downloading Job.

Download	Toggle between the FTP or HTTP download
Туре	methods.

- Login method Click the Account radio button when a password is required for downloading files. Click the Anonymous where there is no password required for downloading files.
 - User Name Enter a user name for downloading.
 - **Password** Enter a password for downloading.
 - **Type** Toggle between File or Folder to download the specific file or all files in a specific folder.
 - **URL** Enter the FTP, HTTP or local site address for the scheduled download. Click the **Test** button to see if the URL can be connected.
 - Save To Click the field to show the available folders. Click the Create button to add a new folder. Double-click a folder to select it.

Create Download Job Download Settings -Download Type: FTP Login Method: Anonymous O Account User Name: Password: Type: Folder URL: Test ftp:// Save To: Next Cance Previous Click Next

Step6: To schedule a new **Download** job.

Recurring	Use the drop-down menu to have repeated
Download	scheduled download time every day, week or
	month. Select None to disable the recurring download.

When Click to select year and date for downloading.Time Use the drop-down menu to select downloading time.

- **Weekly** Select a day of the week for recurring download.
- Monthly Select the month for recurring download.

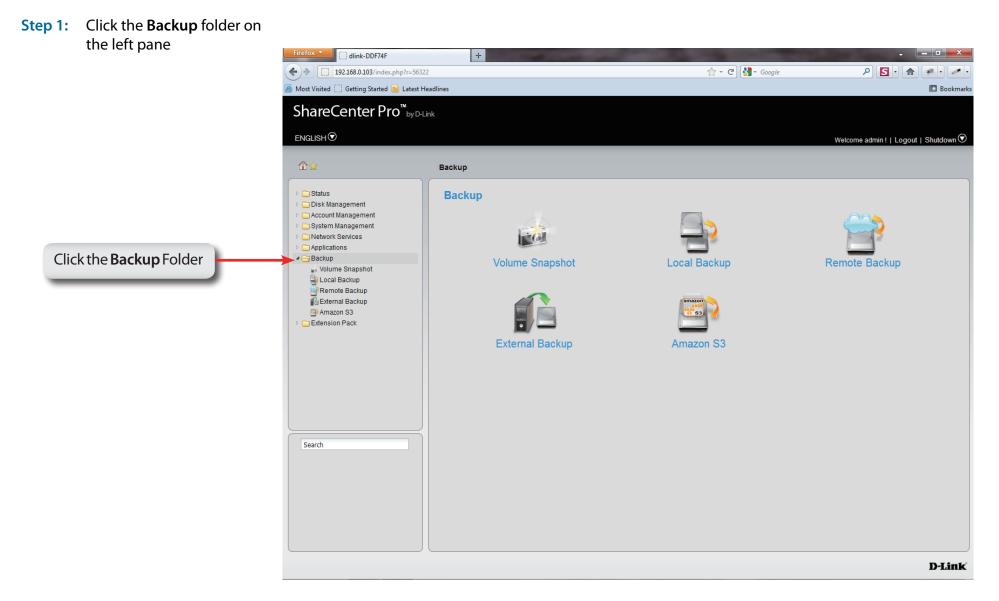
Create Download Job

Recurring Download:	None 🔽 00 🔽 : 00 🔽
When:	2010-08-30
Time:	00 🔽 : 00 🔽
Weekly:	MON
Monthly:	
	01
	Previous Apply Cancel

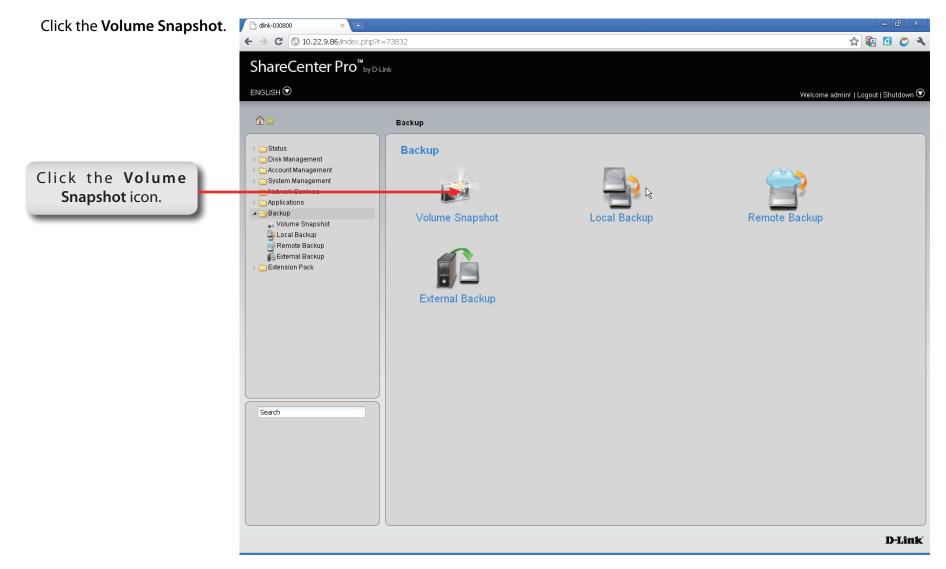
Chapter 15 - Software - Backup

The D-Link ShareCenter Pro 1100-04 allows you to configure a Backup service for your NAS. Let's take a look.

Software - Backup



Software - Backup - Volume Snapshot



Software - Backup - Volume Snapshot

Step 2: The Volume Snapshot is used to create, edit, or delete a snapshot job. It also allows you to take a snapshot of a volume. The ShareCenter Pro supports up to 10 snapshots and each job can have a maximum of 20 snapshots.

Create	Edit Delete	Take snapshot	Show snap	pshot	
Volume	Name	Schedule	Count	State	Path

Create	Click to add a new snapshot job.
Edit	Select an entry and click the button to edit.
Delete	Select an entry and click the button to remove the entry from the list.
Take snapshot	Click the button to take a snapshot of a volume.
Show snapshot	Click the button to show the calendar indicating on which dates a snapshot had been taken.

Software - Backup - Volume Snapshot

- Step 3: Click the Create button to creat a Snapshot job.
 - Folder Click the field to show the available folders. Click a folder to see the sub-folders. Double-click a folder to select it.
 - **Count** Use the drop-down menu to select the number of snapshots for this job.
- Schedule Use the drop-down menu to select manually schedule the job, or schedule to take the snapshot on a daily, weekly or monthly basis.
 - **Time** Use the drop-down menus to select hour and minute of the day.
- Weekday Use the drop-down menu to select the day of the week.
 - **Date** Use the drop-down menu to select the day of the month.

Folder:			
Count:	10		
Schedule:	Manually		
Time:	00	. 00	V
Weekday:	SUN		
Date:	lan.	100	
	01	M	
	01	Cancel	

Software - Backup - Volume Snapshot

- Step 4: Click the Show Snapshot button to see the calendar
- **Calendar** Find the year and month of the snapshot on that day. The date cell is highlighted when there are snapshots on that day. Click the cell to view details of the volume's snapshot(s).

Click **Close** to go back to the **Volume Snapshot** window.

Sun	Mon	Tue	Wed	Thu		
				mu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
			Close			

Click Close.

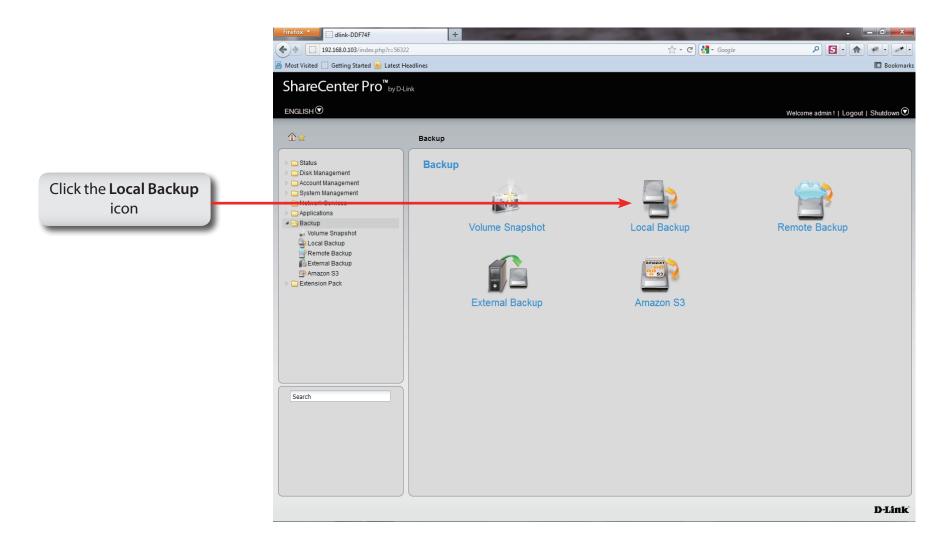
Software - Backup - Volume Snapshot

- **Step 5:** After the calendar is closed the ShareCenter Pro 1100-04 provides snapshot information.
- **Delete** Select an entry and click the button to remove the entry from the list.
- PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or Last
page (▲) to search for the group.
- **Refresh** Click to update the group list.

Click **Close** to go back to the previous window.

napshot			X
Delete			
Name	Snapshot	Date Time	Path
/olume_50	snapshot.0	2010.01.18-0	Volume_50_snapshot/Volume_50/2
IA A Page	a 1 of 1 D		Displaying 1 - 1 of 1
		Close	
		Click C l	lose.

Step 1: Click the Local Backup icon



- **Step 2:** Local Backup allows files and folders to be backed up to local folders.
 - **Create** Click to add a new backup job.
 - Edit Select an entry and click the button to edit.
 - **Delete** Select an entry and click the button to remove the entry from the list.
 - Page Displays number of pages. You can enter a page number in the field to jump to the specific page. Click First Page (1), Previous Page (1), Next Page (1) or Last page (1) to search for the group.
 - **Refresh** Click to update the group list.

Status %	Speed Download Path	Save To	Time

Step 3: Click the **Create** button to create a **Local Backup Job**.

- Login Method Click the Account radio button when a password is required for the procedure. Click the Anonymous where there is no password required for the procedure.
 - User Name Enter a user name for backup.
 - **Password** Enter a password for backup.
 - **Type** Toggle between File or Folder to download the specific file or all files in a specific folder.
 - Path Enter the path manually, or click Local to locate the path. Click the Test button to see if the path can be connected to.
 - Save To Click the field to show the available folders. Click the **Create** button to add a new folder. Double-click a folder to select it.
 - Incremental Tick the check box to enable the incremental backup method. All backups after the first full backup will be on an incremental basis. Only the changes since the last backup will be backed up.

Create Local Backup Job

Login Method:	O Account Anonymous
User Name:	an ar show a
Password:	****
Туре:	Folder
Path:	Test
Save To:	
	Previous Next Cancel
	Previous Next Cancel

Step 4: Set the schedule for local backups by doing:

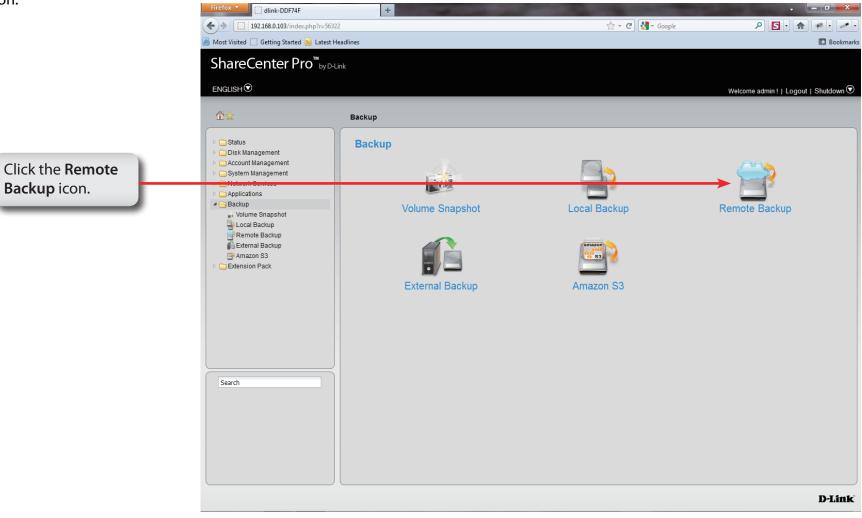
- Recurring Use the drop-down menu to enable a recurring backup backup. This can be done on a daily, weekly or monthly basis. Select None to disable the recurring backup.
 - When Click to select year and date for backup.
 - **Time** Use the drop-down menu to select the time for backup.
 - **Weekly** Select a day of the week for recurring backup.
- Monthly Select the month for recurring backup.

Create Local Backup Job

Recurring Backup:	None 🔽 00 🔽 : 00 🔽
When:	2010-08-30
Time:	00 🔽 : 00 🔽
Weekly:	MON
Monthly:	01 🔽
	Previous Apply Cancel

Step 1: Click the Remote Backup





Software - Backup - Remote Backup Server

- **Step 2:** Click the **Remote Backup Server** tab to see this window and the options available.
- Enable Remote Tick the check box to enable the function. Backup
 - Password Enter the password for backing up files and folders from or to the ShareCenter Pro. This is the remote backup password. The password for the remote NAS should be the same as the password of the ShareCenter Pro.

Click Apply to save the settings.

NG 96.97		
Remote Backup Server Remote Bac	kup Job	
Remote Backup Server		
Enable Remote Backup		
Password:		
	Apply Cancel	
	T	
	Click Apply to save the	
	changes.	
	-	

Step 3: Click the Remote Backup Job

Create	Click to add a new remote backup job.
Edit	Select an entry and click the button to edit.
Delete	Select an entry and click the button to remove the entry from the list.
Backup	Click the button to back up.
Enable/ Disable Schedule	Click the button to enable or disable the schedule remote backup function.

PageDisplays number of pages. You can enter a page
number in the field to jump to the specific page.
Click First Page (▲), Previous Page (▲), Next Page (
▲) or Last page (▲) to search for the group.

Refresh Click to update the group list.

Remote Backup Server Remote Backup	doL q
Create Edit Delete Backup	Enable / Disable Schedule
Job Name Schedule	Status
Page of 1 D D 🖏	
<	

Step 4: Click Create.

Server Type Use the drop-down menu to select between D-Link NAS Server or Rsync Server.

Click Next to continue.

Create Remote Backup Job	K
Server Type	_
Server Type:	
Previous Next Cancel	
Click Next to continue.	

Step 5: Enter the **Job Name** and **Folder Path**.

Job Name Enter the name of the remote backup job.

Folder Path Click the field to select the source file/folder to be backed up remotely.

Click Next to continue.

Create Remo	te Backup Job	8
Source Sittings		
Job Name: Folder Path:		
Pre	vious Next Cancel	
	Click Next to continue.	

Step 6: Enter the **Destination Settings** and click **Next**.

IP of Remote Server	Enter the IP address of the server.
Password	Enter the password of the destination server.
Encryption Support	Tick the check box to enable SSH encryption.
Keep Existing File	Tick the check box to keep the existing file with the same name at the remote server and create another copy for backup.

Create Remote Backup Job

IP of Remote Server:		
Password:		
Encryption Support		
Keep Existing File		

Step 7: Enter the **Destination Path** and click **Next**.

Destination	Click the field to select the destination path.
Path	

Create Rer	note Backup Job	×
Destination S	ettings (Path)	
Destination Path:		
	Previous Next Cancel	

Step 8: Enter the **Destination Schedule** details, including where to place recurring backups.

Click **Apply** to continue.

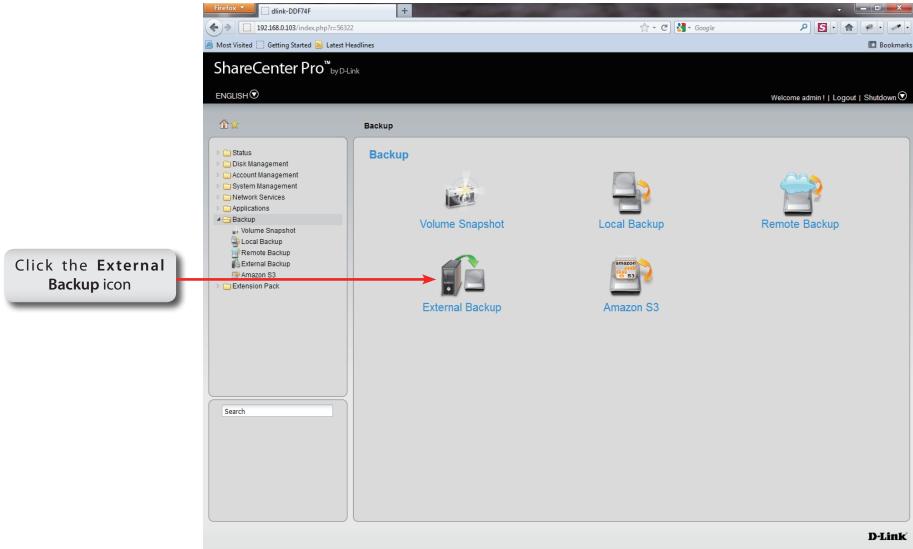
- Recurring
BackupUse the drop-down menu to enable a recurring
remote backup. This can be done on a daily, weekly
or monthly basis. Select Backup now to start the
backup.
 - When Click to select year and date for backup.
 - **Time** Use the drop-down menu to select the time for backup.
 - Weekly Select a day of the week for recurring backup.
- Monthly Select the month for recurring backup.

00		
00		
00		
Apply	Cancel	
Ŧ		

Software - Backup - External Backup

Step 1: Click the External Backup

icon



Software - Backup - External Backup

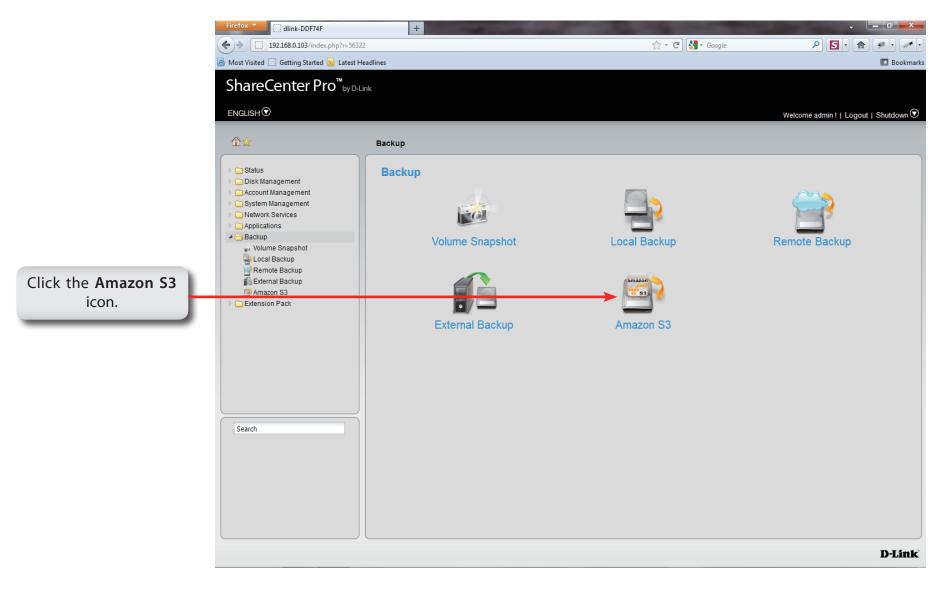
Step 2: Insert your device into the USB slot at the back of the NAS and select the path and USB port you want to backup your information to.

- Source Click the USB port that is connected to an external USB storage device.
- Select Path Click the field to show the available folders. Click the Create button to add a new folder. Double-click a folder to select it.
 - Mode Tick the Incremental Backup check box to enable the incremental backup method. All backups after first full backup will be on an incremental basis. Only the changes since the last backup will be backed up.

Backup >> Extern	al Backup		
USB Backup			
Source: Destination: Mode:	Left Port(from rear of view) Incremental Backup	 Right Port(from rear of view) 	
	(Apply Cancel	

Software - Backup - External Backup

Step 1: Click the Amazon S3 icon.



Amazon S3

Amazon S3 (Simple Storage Service) is an online storage web service offered by AWS (Amazon Web Services), and 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, you can easily upload the data from your ShareCenter Pro to Amazon S3 or download the data from Amazon S3 to your NAS.

This Amazon S3 How-To will show you how to:

- Create your AWS Account with which you can use to access the Amazon S3 services.
- Create a bucket on the Amazon S3 Server where you can upload or download your ShareCenter Pro data to/from.

• Create an Amazon S3 Scheduled Backup on your ShareCenter Pro to automatically upload any ShareCenter Pro Network Share to the Amazon S3 service.

Amazon S3

Follow these steps to setup Amazon S3:

Step 1: Log in. Click **Backup**, **Amazon S3**.

Click Create.	Firefox T dlink-1122ba	+		A 100	1.418		
	+ http://192.168.0.100/index.php	r=45321			☆ - C		P 🖸 🏘 🖗 י
	🔊 Most Visited 🗋 Getting Started 🔊 Latest I						🔝 Bookmarks
	🥝 Disable* 👤 Cookies* 🎽 CSS* 🧮 Forms*	🔄 Images• 🕕 Information• 🚨 Miscellane	eous* 🧪 Outline* 💷 Resize* 🕅	🖁 Tools• 📄 View Source•	Options*		88 🗸
	ShareCenter Pro [™] _{byD} -	Link					
			_	_	_	Welcome admin!	Logout Shutdown 🛇 루
	13 ☆	Backup >> Amazon S3					
	 ▷ □ Status ▷ □ Disk Management 	Create Edit Delete					
	Account Management	Task Sch	edule	Status	Enable / Disable	Backup Now	Restore
	 System Management Network Services 						
	 Applications Backup 						
	🔐 Volume Snapshot						
	Local Backup						
	External Backup						
	Extension Pack						
			0				No data to display
	Search						
							D-Link
							D'LINK

Step 2: The Create Amazon S3 Job wizard appears providing the following details:

Job Name Settings Remote Settings Server Type Local Settings	Create Amazon S3 Job
Schedule Settings Finish	Welcome to Amazon S3 settings
Click Next to continue.	In each step click the Next button when you are satisfied with the settings,click the Previous button to go back one step, and click the Cancel button to leave the wizard without saving any settings. 1. Job Name Settings. 2. Remote Settings. 3. Server Type. 4. Local Settings. 5. Schedule Settings. 6. Finish.

Step 3: Enter a Job Name **Create Amazon S3 Job** Click Next to continue. Step1: Job Name Settings Input a 16 character string that identifies either the upload to cloud or download from cloud job to be created. The string cannot contain spaces and the following characters are allowed: a-z, A-Z, 0-9. Job Name: sample Previous Next Cancel **Step 4:** Remote Settings **Create Amazon S3 Job** Enter the Access Key, Private Key, Step2: Remote Settings Remote Path and Region supplied Input your Amazon S3 assigned Access and Private keys which will allow your my Amazon ShareCenter access to your Amazon S3 Cloud Storage. In the Remote Path field, input a new or already existing Amazon S3 Bucket name. This is a folder on the Cloud Storage that your data will be written to or read from. Click Next to continue. Finally select the appropriate region which will give you the best service for reading from or writing to the Amazon S3 Cloud. Access Key: WKEAIBWLXWBDNBGTVX9C Private Key: ****** Remote Path: volume1 Region: United States

Previous

Next

Cancel

Step 5: Select whether you want to upload Create Amazon S3 Job files or download files from the dropdown list. Step3: Server Type Select the Backup Type under the In the Type drop-down menu choose Upload if you wish to backup ShareCenter data to the Amazon S3 Cloud and choose Download if you wish to backup data from the Amazon S3 next drop-down list. Cloud to the ShareCenter. In the Backup Type drop-down menu choose Overwrite Existing Files to write over any Click Next to continue. files in the target folder with the source files that have identical names. Choose Full Backup to create a separate folder containing the entire backup data for each time the job is executed. Choose Incremental Backup to write over files with source files that are newer than the target folder files. Type: Upload Backup Type: Overwrite Existing Files

Step 6: Select the Local Path settings for your backup

Click in the **Local Path** area. Your NAS drive should appear.

Locate the path of your drive.

Click Next to continue.

Create An	nazon S3 Job
Step4: Loc	al Settings
target director	tath field input the full path name to the folder that will be either the source or ry for the job. ne_1/backup_docs
Local Path:	/Volume_1/sample
	Previous Next Cancel

Cancel

Previous

Step 7: Select the **Schedule Settings.**

Under Schedule Mode you can select Manual setup, Once (once clicked the time settings appear), and Schedule (the daily, weekly, and monthly) options appear

You can also setup to Backup Now.

Click Enable or Disable to set these settings.

Step 8: A summary of the configuration just completed is displayed. This is the final step in the wizard.

Click **Apply** to end the wizard or Previous to back and make changes. Click cancel to exit and make no changes.



Create Amazon S3 Job

Create Amazon S3 Job

Step6: Finish

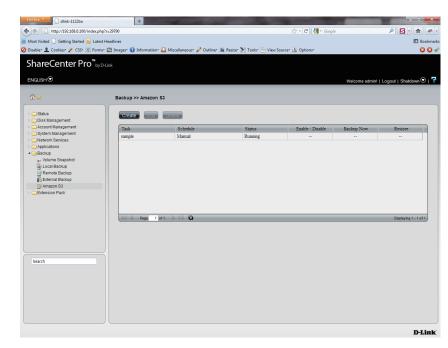
Review all your settings and click **Previous** to go back to make any changes. Click **Cancel** to exit the wizard without saving the job. Click **Apply** to save the job and exit the wizard.

Options	Settings
Job Name	sample
Remote Path	volume1
Region	United States
Туре	Upload
Backup Type	Overwrite Existing Files
Local Path	/Volume_1/sample
Backup Now	Yes
	Previous Apply Cancel

Step 9: Once you have applied the settings and return to the main Amazon S3 screen, the results of your configuration is highlighted and depending on your configuration is "running"

Highlighting your Amazon S3 setup and clicking the Edit button allows you to make changes to your configuration.

Click the **Edit** button to make changes. You are returned to the Amazon S3 wizard. Make relevant changes.

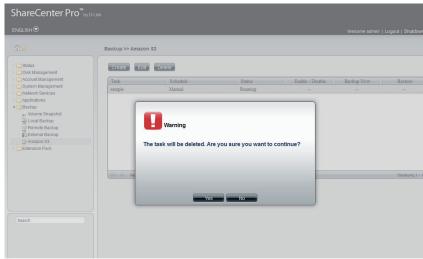


Highlighting the task you wish to delete.

A warning message will appear asking you if you wish to delete the task.

Click Yes to delete.

Click **No** to return back to the previous page.



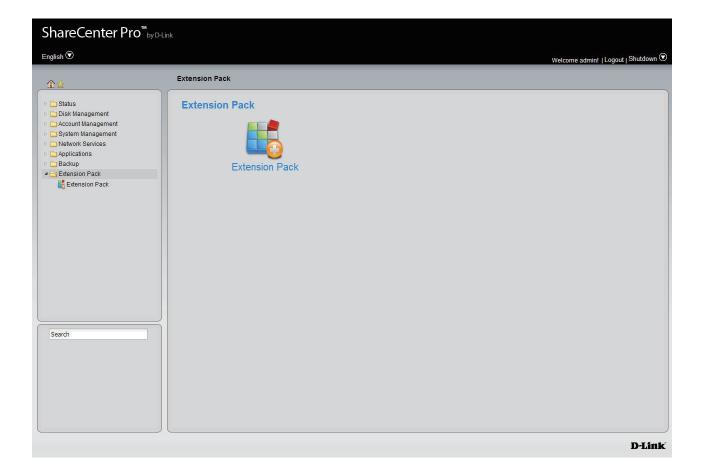
Chapter 18 - Software - Extension Pack

The D-Link ShareCenter Pro 1100-04 allows you to configure extension features for your NAS. Let's take a look.

Note: The Extension Pack only supports the Multi-Language package.

Extension Pack

This folder contains the Extension Pack. Click the folder to see the subcategories.



Extension Pack

Click the **Extension Pack** icon in the Extension Pack window or the Extension Pack link in the left window to configure the add-ons.

File Path	Click the Browse button to locate the file. Click Apply
	to add the file to the Add-ons list.
Add-ons	Displays a list of all add-on modules.

- List Status Displays if the module is currently activated (Enabled) or deactivated (Disabled).
- **Start/Stop** Activate/Deactivate the module.
 - **Delete** Remove the add-on module from the list.
 - RefreshDisplays number of pages. You can enter a page
number in the field to jump to the specific page. Click
First Page (▲), Previous Page (▲), Next Page (▲) or Last
page (▲) to search for the group.
 - Page Click 🖺 to update the group list.

	s Settings						
File Path:	Brow	Apply					
dd-Ons	s List						
					🖉: Enabled 🔇): Disabled 💵	: Start 🎫 S
Number	Module Name			Version	Status	Start/Stop	Delete
	Page 1 of 1 D						No data to disple
	Page 1 of 1 D D 🖸	_		_			No data to displa
M 4	Page 1 of 1 D DI 🔞	_	_			_	No data to disple
	Page 1 of 1 D DI 🖏	_	_			_	No data to disple
	Page 1 of 1 D D O		_				No data to disple
44	Page 1 of 1 D D 🗘	_	_	_	_		No data to displa
	Page 1 of 1 D D 🖏	_					No data to disple

Chapter 19 - Appendix

The D-Link ShareCenter Pro 1100-04 knowledge base is a helpful link to technological terms within this manual.

Knowledge Base What is RAID?

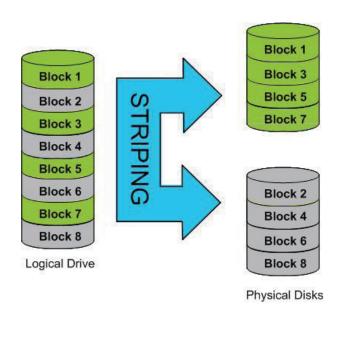
RAID, short for Redundant Array of Independent Disks, is a combination of two or more disks with the aim of providing fault tolerance and improving performance. There are several different levels of RAID, with each one providing a different method of sharing or distributing data among the drives. The ShareCenter Pro supports **JBOD**, **RAID 0**, **RAID 1**, **RAID 5**, and **Standalone**.

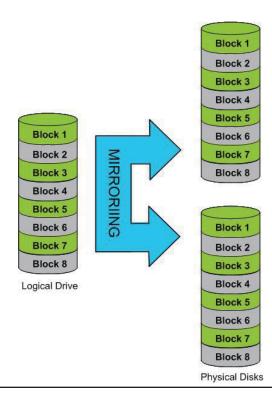
RAID 0 RAID 0 provides data striping, which spreads out blocks of data over all drives, but does not provide data redundancy.

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.

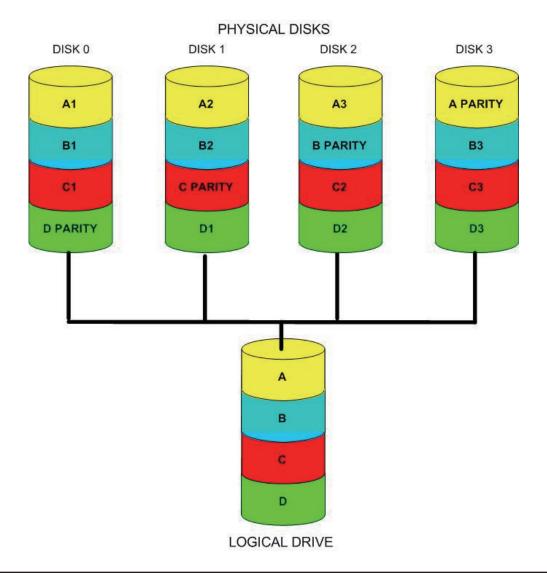




RAID 5 RAID 5 provides data striping with distributed parity, which stores information that can be used to reconstruct data. A RAID 5 array will be the size of all the combined disks capacity less the capacity of one disk, e.g. If there are 4x 80GB disks in the array, the arrays capacity will be 240GB (3x80GB).

Implementing RAID 5 on the ShareCenter Pro allows it to continue operating even if one of the disks fails.

The diagram below indicates the operation of RAID 5:



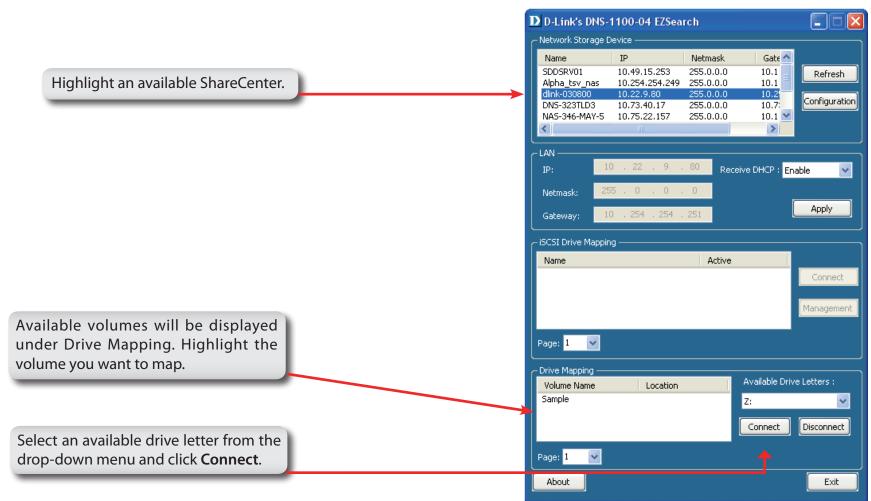
Mapping a Drive

You can use the D-Link EZ Search Utility to map drives to your computer. Insert the ShareCenter Pro CD into your CD-ROM drive.

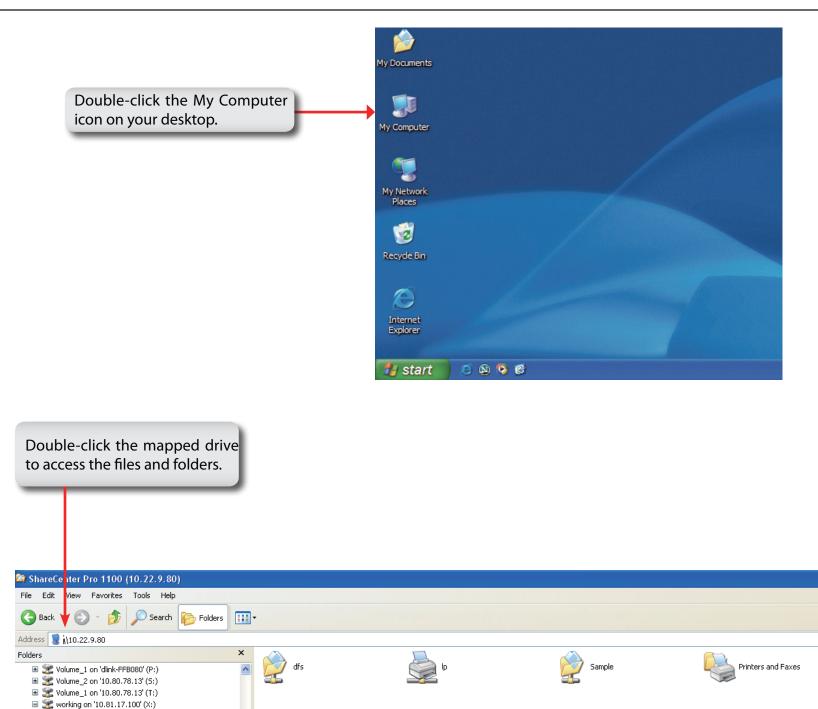


The EZ Search Utility will load and detect any ShareCenter Pro devices that are on the local network.

If the ShareCenter Pro you are working with does not show up in the device list, click Refresh.



Once connected, your mapped drive(s) will appear in My Computer.

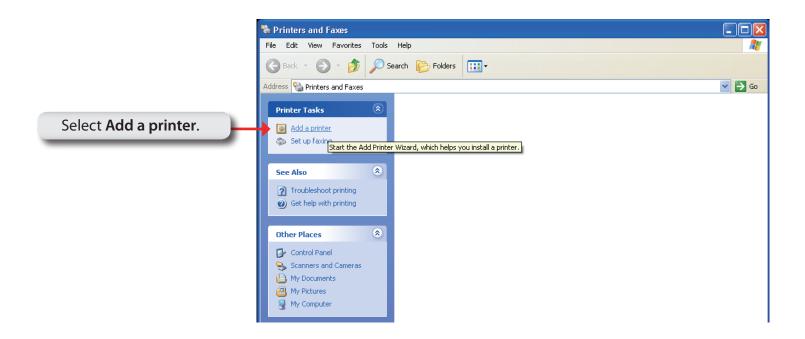


USB Print Server

The ShareCenter Pro 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 ShareCenter Pro. It is important to ensure that any of the printer manufacturer's drivers are already installed on any computer you want to print from.

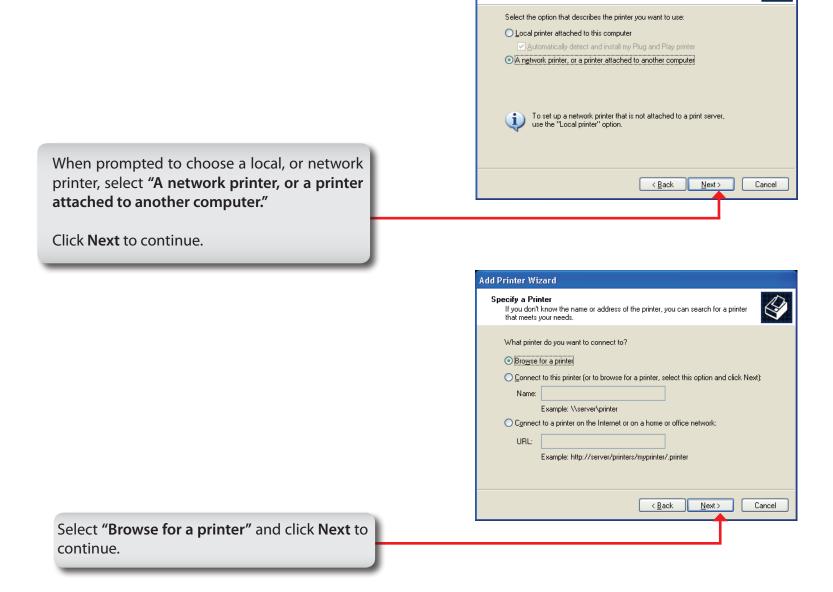
To add a printer:





The Windows[®] Add Printer Wizard will launch:





Add Printer Wizard Local or Network Printer

The wizard needs to know which type of printer to set up.

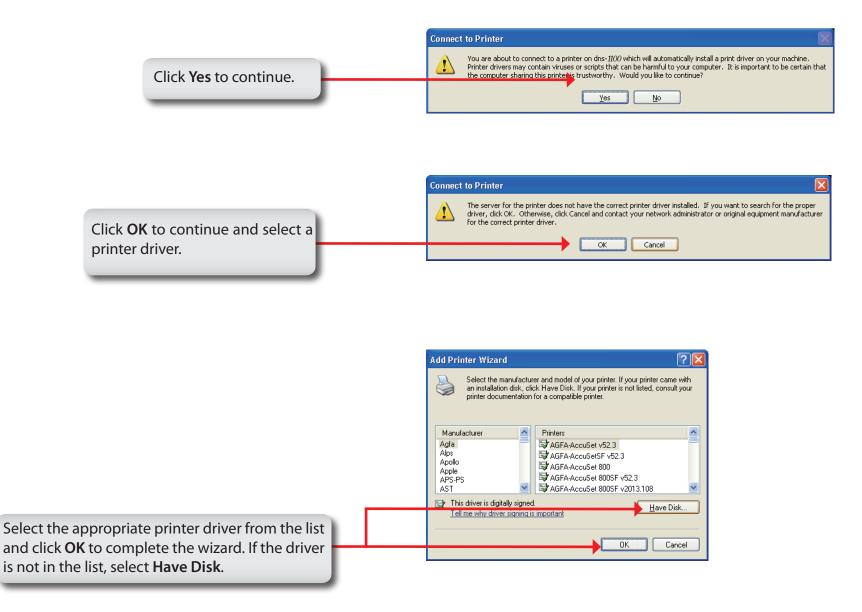
		Add Printer Wizard
ect the available USB printer, and click Next		
Comment: Documents waiting: Status: Documents waiting: 	elect Double-click DNS-1100-04 from the bared Printers list to expand the tree.	Shared printers:
Add Printer Wizard Browse for Printer When the list of printers appears, select the one you want to use. Printer: Vdns:346Up Shared printers: WORKGROUP DNB:1100-04 USB Printer USB Printer, and click Next Vectors and seady		Comment:
Browse for Printer When the list of printers appears, select the one you want to use. Printer: \\\\dots346\\p Shared printers: Microsoft Windows Network WORKGROUP DNS:1100-04 USB Printer Printer information Comment: USB Printer Status: Ready Documents waiting: 0		< <u>B</u> ack <u>N</u> ext> C
When the list of printers appears, select the one you want to use. Printer: \Vdns:346\\p Shared printers: Microsoft Windows Network WSR KGROUP DNS:110-04 USB Printer Printer information Comment: USB Printer Status: Ready Documents waiting: 0		
Shared printers: Microsoft Windows Network WORKGROUP DNS:1100-04 USB Printer Printer information Comment: USB Printer Status: Ready Documents waiting: 0		Add Printer Wizard
Iect the available USB printer, and click Next Iect the available USB printer, and click Next		Browse for Printer
lect the available USB printer, and click Next		Browse for Printer When the list of printers appears, select the one you want to use. Printer: \\dns-348\lp Shared printers:
lect the available USB printer, and click Next		Browse for Printer When the list of printers appears, select the one you want to use. Printer: \\\dns-346\\p Shared printers: Microsoft Windows Network WORKGROUP
		Browse for Printer When the list of printers appears, select the one you want to use. Printer: \\\dns-346\\p Shared printers: Wicrosoft Windows Network WORKGROUP DNS-1100-04 USB Printer

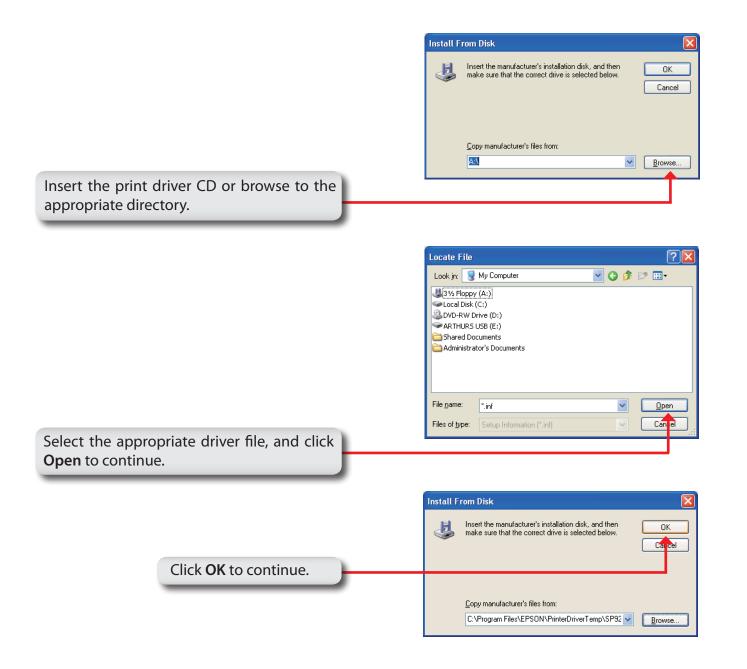
Cancel

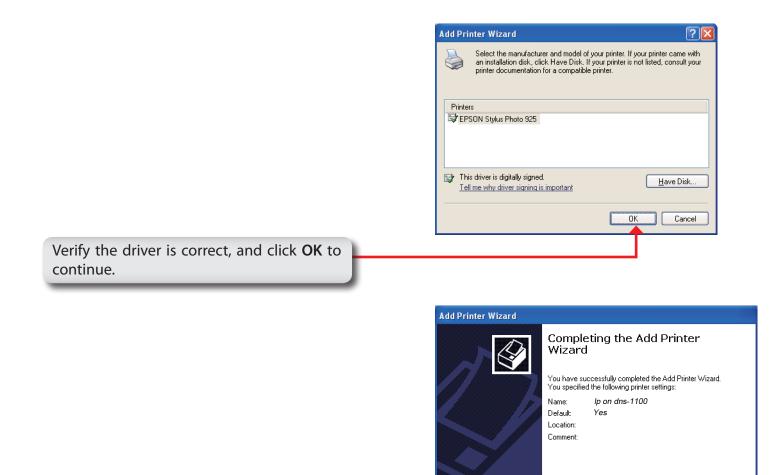
< <u>B</u>ack

<u>N</u>ext⇒

The following printer driver messages will appear:







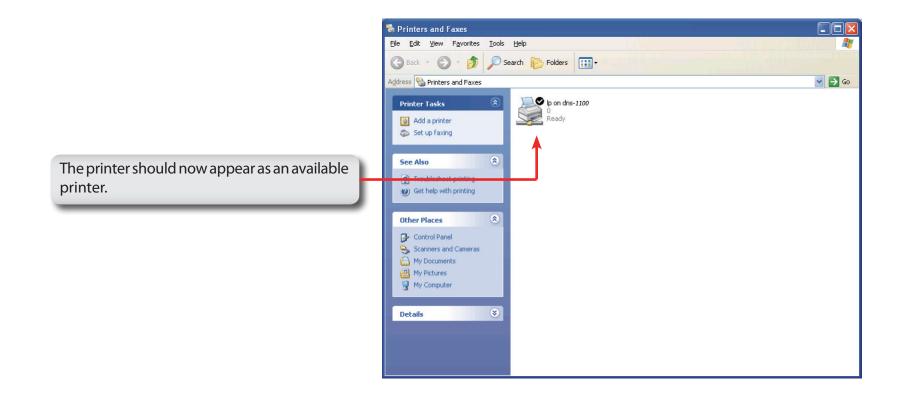
To close this wizard, click Finish.

< <u>B</u>ack

Finish

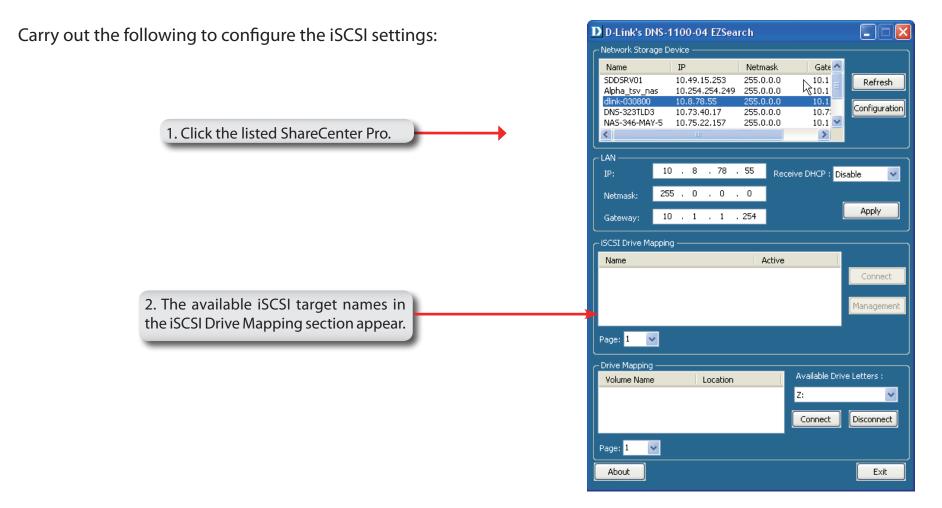
Cancel

The wizard will install the printer drivers, and return a completion screen. Click **Finish**.



iSCSI Drive Mapping

The iSCSI Drive Mapping is used to manage the iSCSI settings on the ShareCenter Pro.

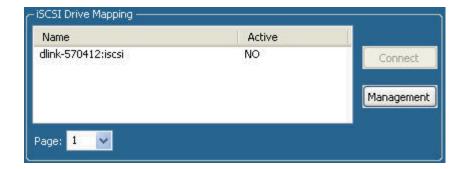


Note: If you cannot see the latest list, click the **Refresh** button to update the status.

Note: You will need to create iSCSI volume in the **Disk Management** -> **iSCSI Target**. Click the **iSCSI Targets** tab to see the iSCSI target name in this section.

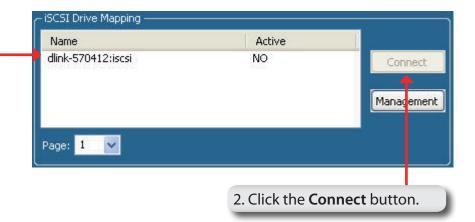
The different parameters in the iSCSI Drive Mapping section are described below:

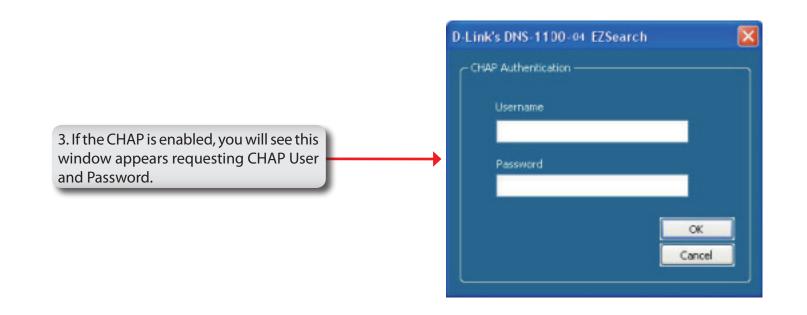
Name	Displays the names of the available iSCSI targets on the ShareCenter Pro.
Active	Displays <i>Yes</i> if the target is active. Displays <i>No</i> if the target is not active.
Connect/Disconnect	Choose a target from the list and click the Connect/Disconnect button to activate/deactivate the Target. If CHAP authentication has been enabled, then a username and password will be required.
Management	Click the button to see the Management window. The window allows you to add, delete, mount and unmount the partition.



Configuring Targets

1. When attempting to connect a target for the first time, choose the target from the list





You will see the Format window.

The different parameters in the Format window are described below:

Target	Displays the iSCSI target name you chose.
Partition Size	Tick the Use Maximum Available Space checkbox to specify that the maximum
	available space on the disk will be used to create the new partition. To specify
	a size un-tick the checkbox and type in the capacity size of the partition (in
	megabytes) in the Megabytes field.
Format Type	Choose whether to format the new

- Format Type Choose whether to format the new partition with *NTFS* or *FAT32* by ticking the appropriate checkbox.
- **Drive Letter** Choose the drive letter that you want to allocate to the iSCSI partition from the drop-down menu.

When you have finished configuring the Target Settings, click the **Format** button to see the window below

ormat				X
Target dlink-570412:iscs				
- Wizrad Option -				
Partition Size	Use Ma	aximum Avail	able Space Megabytes (Avaliable: 4094 MB)	
Format Type	MTFS	FAT32		
Drive Letter	Y:{	~		
			Cancel OK	

Configuring Disks

This window appears after clicking the **Format** button. Or, select a target in the iSCSI Drive Mapping list and click the **Management** button to see the window.

The Management window allows you to manage partition on the disks installed in the ShareCenter Pro and Mount / Unmount the disks installed in the ShareCenter Pro.

The Disk Management section displays the following parameters:

Disk	Displays the ID number of the disk
	installed in the ShareCenter Pro.

- **Partition** Displays the partition number of the disks partition.
- **Volume** Displays the drive letter that the partition is mapped to on the client machine.
- File SystemDisplays the File System that the partition
was formatted with.
 - **Capacity** Displays the total capacity of the partition.
 - TargetDisplays the iSCSI target name of the
partition.

Disk	Partition	Volume	File System	Capacity	Target
1	1	Y:\	NTFS	4.00 Gb	dlink-570412:iscsi
()		- ini-			>
Y:1)					

Adding a new partition

Right-click an unallocated partition and click **Add**.

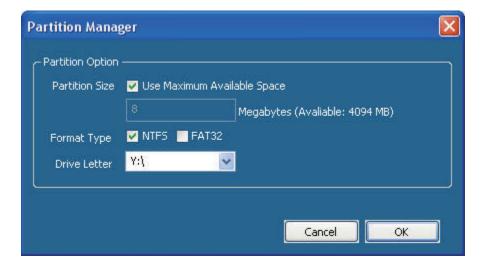
4.00GB Onanocated

The Partition Manager window opens:

To add a partition, configure the parameters as explained below:

- Partition Size Tick the Use Maximum Available Space check box to specify that the maximum available space on the disk will be used to create the new partition. To specify a size, un-tick the check box and type in the capacity of size of the partition (in megabytes) in the Megabytes field.
- **Format Type** Choose whether to format the new partition with *NTFS* or *FAT32* by ticking the appropriate checkbox.
- **Drive Letter** Choose the drive letter that you want to allocate to the iSCSI partition from the drop-down menu.

When you have finished configuring the partition settings, click the **Format** button to add the new partition.



Add

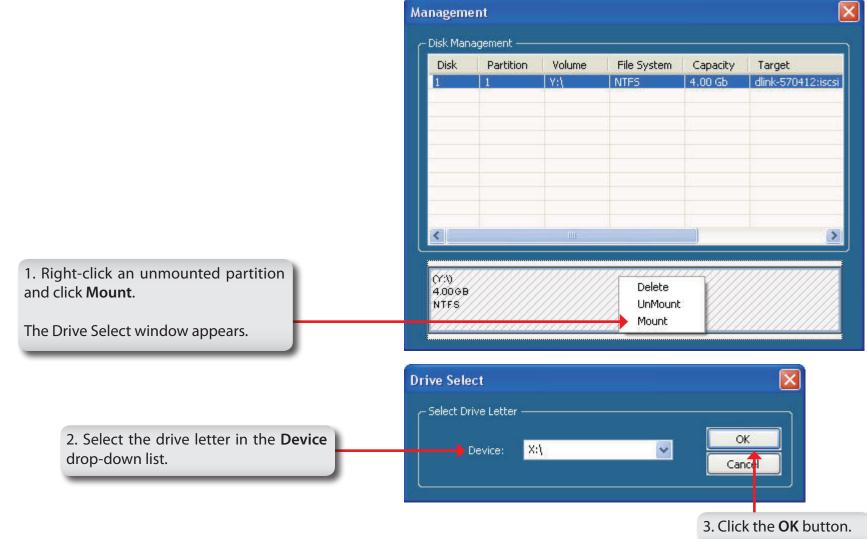
Deleting an existing partition

	Managem	ent				
	- Disk Mar	agement ——				
	Disk 1	Partition 1	Volume Y:\	File System	Capacity 4.00 Gb	Target dlink-570412:iscsi
			111			2
Right-click an existing partition and click Delete .	(7:1) 4.00GB NTFS			Delete UnMount Mount		

Mounting Disks

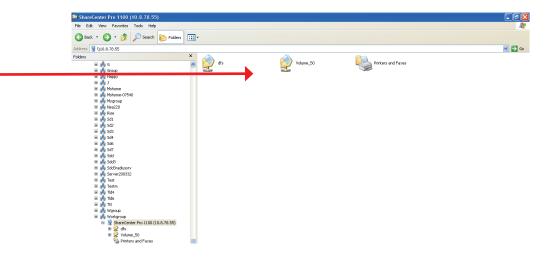
When a partition is not mounted, a * (star) symbol will appear in the Volume column in the **Disk Management** list.

Carry out the following steps to mount a disk:



	Disk Management						
The mounted disk is displayed in the	Disk	Partition	Volume	File System	Capacity	Target	
k Management list.	1	1	X:)	NTFS	4.00 Gb	dlink-570412:isc	
	<		in				
	<		- in-				

3. The newly mounted disk is displayed in the My Computer window and can be used as if it was a locally attached disk.



Hot-swap

The ShareCenter Pro supports hot-swap drive trays. You can eject or insert 3.5" SATA hard drive(s) when the ShareCenter Pro is operating.

However, if the hard drives are created into various levels of RAID, you cannot hot swap all the hard drives at the same time. Hot swapping all the hard drives will cause a loss of data, and the RAID volume will need to be re-created again. Different levels of RAID required various numbers of hard drives remaining in the ShareCenter Pro.

Standalone/JBOD/RAID 0: The data will be lost and the volume will crash, if any of the hard drives are hot swapped.
 RAID 1: You can hot swap the hard drives as long as one of the hard drives in the mirror is still in the ShareCenter Pro. Removal of all hard drives will result in a loss of all data and volume will have crashed.

RAID 5: In a RAID 5 volume, it is only possible to hot swap 1 hard drive at a time without losing all data. This is because a RAID 5 volume can only tolerate the loss of 1 hard drive and still continue to work. After hot swapping a hard drive, the volume must first be rebuilt before another hard drive can be hot swapped, otherwise this will also result in a loss of all data and the RAID volume will have crashed.

You can check the RAID configuration from the **Disk Management** -> **Volume** page on the Web UI. When hot swapping hard drives, you will see the changes in the **Disk(s)** column. Hot swap one of the hard drives, make sure the Disk number has disappeared from the **Disk(s)** column, and then hot swap the next hard drive.

Storing non-English Character Files

By default the ShareCenter Pro will support Unicode which is an industry standard allowing computers to consistently represent and manipulate text expressed in most of the world's writing formats.

Warranty

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

Limited Warranty:

D-Link warrants that the hardware portion of the D-Link product described below ("Hardware") will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below ("Warranty Period"), except as otherwise stated herein.

- Hardware (excluding power supplies and fans): Five (5) year
- Power supplies and fans: One (1) year
- Spare parts and spare kits: Ninety (90) days

The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Warranty

Limited Software Warranty:

D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

Non-Applicability of Warranty:

The Limited Warranty provided hereunder for Hardware and Software portions of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim:

The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support (USA 1-877-453-5465 or Canada 1-800-361-5265), who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form. Enter the assigned Case ID Number at https://rma.dlink.com/ (USA only) or https://rma.dlink.ca (Canada only).
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the product and will not ship back any accessories.

Warranty

- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery ("COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc.
- USA residents send to 17595 Mt. Herrmann, Fountain Valley, CA 92708. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.
- Canadian residents send to D-Link Networks, Inc., 2525 Meadowvale Boulevard Mississauga, Ontario, L5N 5S2 Canada. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via Purolator Canada or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in Canada, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming. RMA phone number: 1-800-361-5265 Hours of Operation: Monday-Friday, 9:00AM 9:00PM EST

What Is Not Covered:

The Limited Warranty provided herein by D-Link does not cover:

Products that, in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; and Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product.

While necessary maintenance or repairs on your Product can be performed by any company, we recommend that you use only an Authorized D-Link Service Office. Improper or incorrectly performed maintenance or repair voids this Limited Warranty.

Disclaimer of Other Warranties:

EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO THE DURATION OF THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

Limitation of Liability:

TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NONCONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY.

Governing Law:

This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This Limited Warranty provides specific legal rights and you may also have other rights which vary from state to state.

Trademarks:

D-Link is a registered trademark of D-Link Systems, Inc. Other trademarks or registered trademarks are the property of their respective owners.

Copyright Statement:

No part of this publication or documentation accompanying this product may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from D-Link Corporation/D-Link Systems, Inc., as stipulated by the United States Copyright Act of 1976 and any amendments thereto. Contents are subject to change without prior notice.

Copyright 2011 by D-Link Corporation/D-Link Systems, Inc. All rights reserved.

CE Mark Warning:

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Statement:

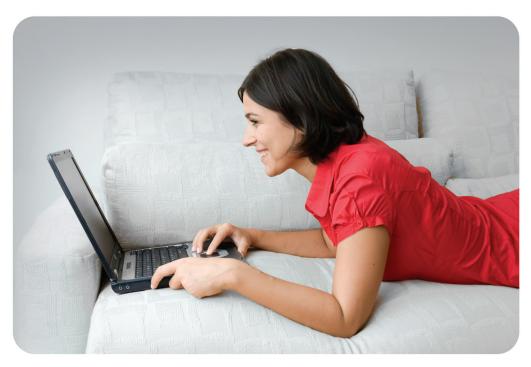
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

Registration

Register your product at registration.dlink.com



Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

Version 1.1 January 19, 2012