

Time Machine

Time machine is an application in OS X that allows Mac users to automatically save up-to-date copies of everything on their machine. It basically acts as a backup tool for Apple machines. However, Time Machine doesn't work on all backup hardware. Whether you are backing up data on a regular basis or periodically, Time Machine will save that data on a local or remote disk drive. Saving data on an internal drive is quick and safe while saving data to an external USB drive is convenient but slow. D-Link offers an alternative to both these solutions. The ShareCenter is a NAS that offers Time Machine functionality and this How-to guide will show you how to set up Time Machine with the ShareCenter.

What you need:

- Mac Compatible computer
- Time Machine software
- ShareCenter
- Hard drives (sufficient data space to mirror your current Mac or larger)
- Router with DHCP enabled
- Network connectivity
- DNS-320 users must upgrade to Firmware version 2.00



Instructions

Step 1:

Set up the NAS on your network. See **User's Manual** for details.



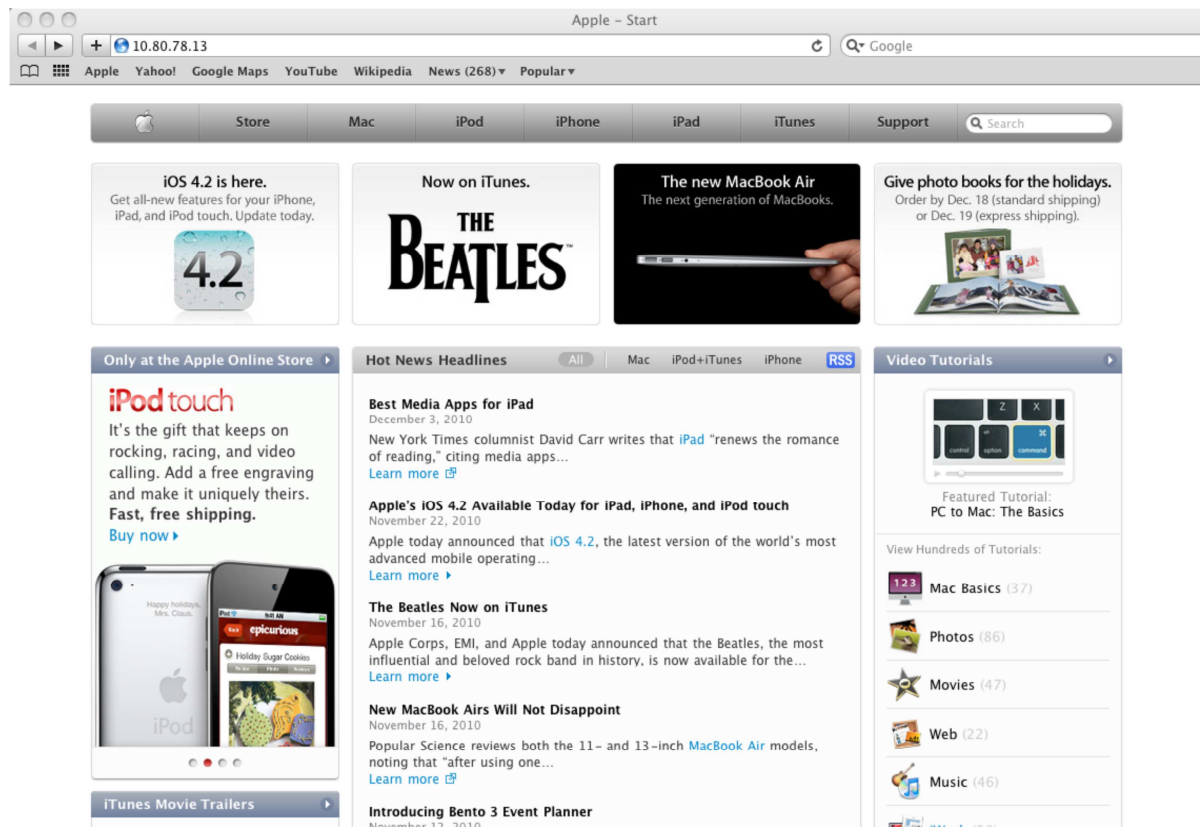
Note:

Configure your router to be a DHCP server for the rest of your network. This should assign both your **Mac computer and ShareCenter NAS** individual IP addresses. Once you have the NAS IP address, ping it to see if it is 'alive'.

Before proceeding to **Step 2** of this guide, be sure you know the IP address of the **ShareCenter NAS**.

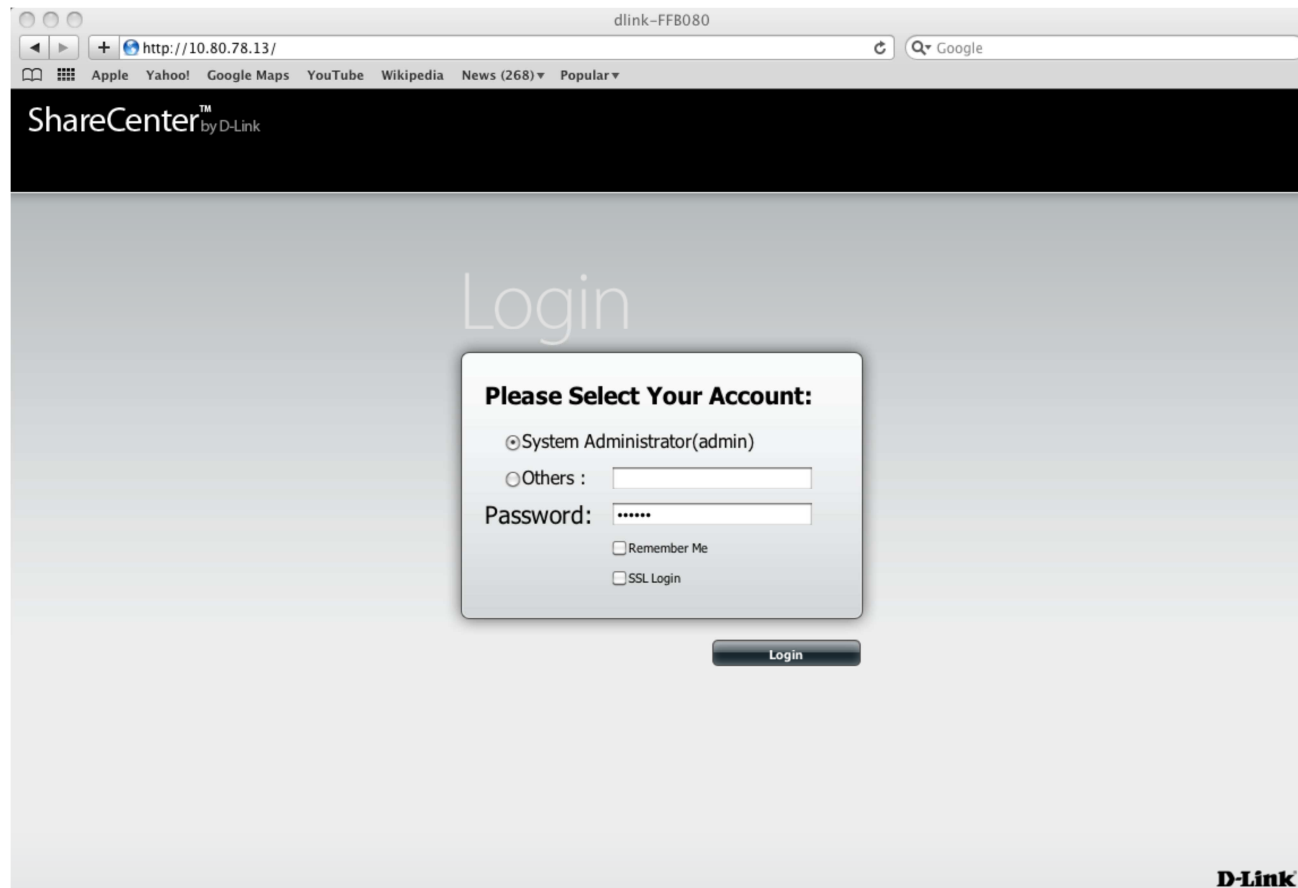
Step 2:

Open **Safari** and type in the IP address of the **ShareCenter**.



Step 3:

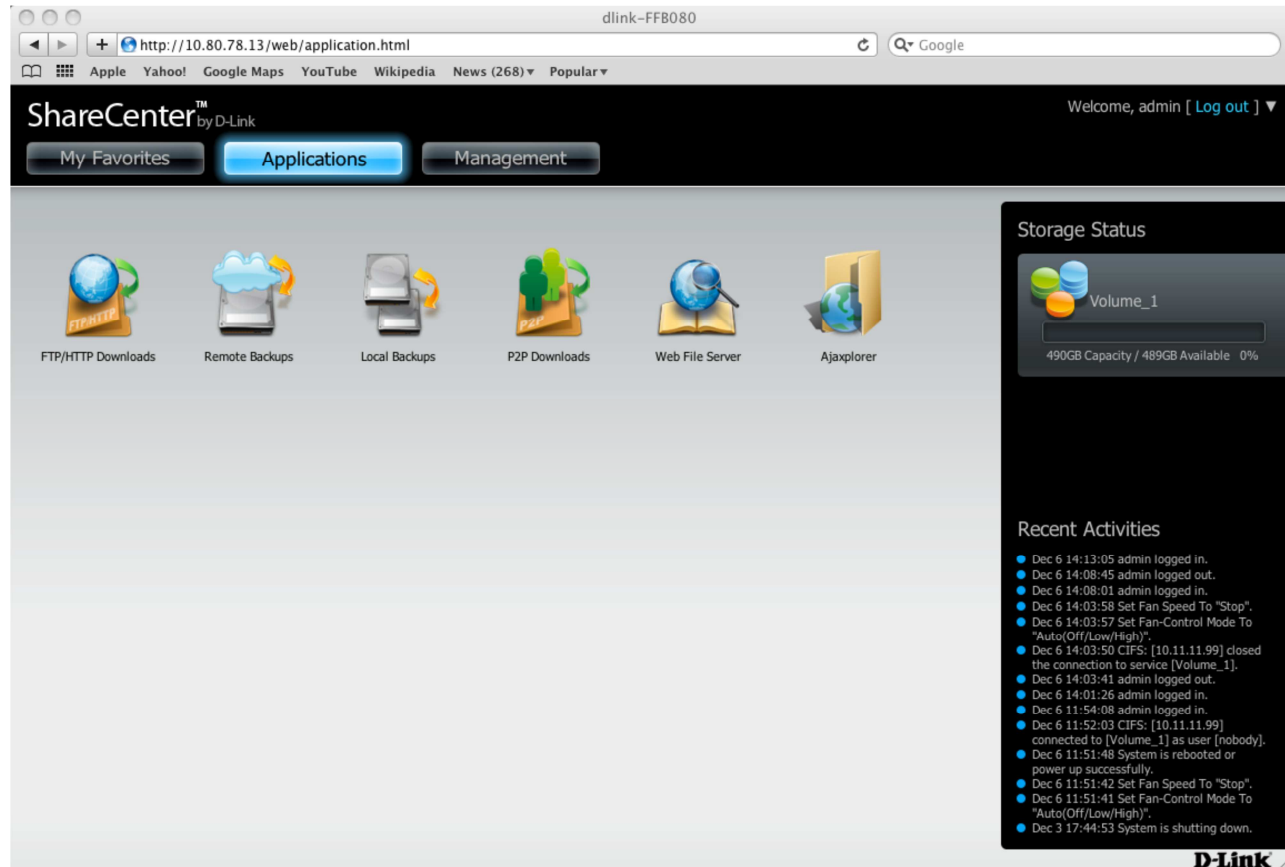
At the login screen, select **System Administrator**, and type in a password. Click **Login**.



Step 4:

The **ShareCenter** home screen will display three main icons at the top: **My Favorites**, **Applications**, and **Management**. This is the volume created by the NAS. Click **Applications**.

Note: At the right-hand side of the screen, there is section called 'Storage Status'



The screenshot shows a web browser window displaying the D-Link ShareCenter interface. The browser address bar shows the URL `http://10.80.78.13/web/application.html`. The page title is "ShareCenter™ by D-Link". The user is logged in as "admin" and is greeted with "Welcome, admin [Log out]".

The main navigation bar contains three buttons: "My Favorites", "Applications" (which is highlighted in blue), and "Management".

The "Applications" section displays six icons with their respective labels:

- FTP/HTTP Downloads
- Remote Backups
- Local Backups
- P2P Downloads
- Web File Server
- Ajaxplorer

On the right side of the page, there is a "Storage Status" section. It shows a progress bar for "Volume_1" with the text "490GB Capacity / 489GB Available 0%". Below this is a "Recent Activities" section with a list of system events:

- Dec 6 14:13:05 admin logged in.
- Dec 6 14:08:45 admin logged out.
- Dec 6 14:08:01 admin logged in.
- Dec 6 14:03:58 Set Fan Speed To "Stop".
- Dec 6 14:03:57 Set Fan-Control Mode To "Auto(Off/Low/High)".
- Dec 6 14:03:50 CIFS: [10.11.11.99] closed the connection to service [Volume_1].
- Dec 6 14:03:41 admin logged out.
- Dec 6 14:01:26 admin logged in.
- Dec 6 11:54:08 admin logged in.
- Dec 6 11:52:03 CIFS: [10.11.11.99] connected to [Volume_1] as user [nobody].
- Dec 6 11:51:48 System is rebooted or power up successfully.
- Dec 6 11:51:42 Set Fan Speed To "Stop".
- Dec 6 11:51:41 Set Fan-Control Mode To "Auto(Off/Low/High)".
- Dec 3 17:44:53 System is shutting down.

The D-Link logo is visible in the bottom right corner of the interface.

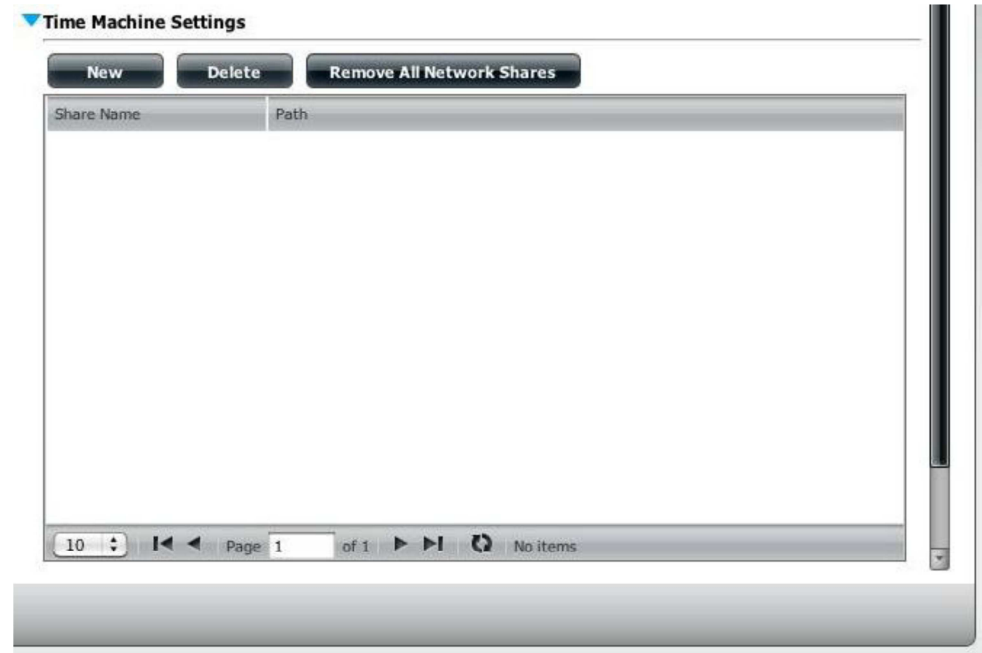
Step 5:

Select **Local Backups** then click **Time Machine**. Under **Time Machine Enable/disable**, check **Enable Time Machine**.



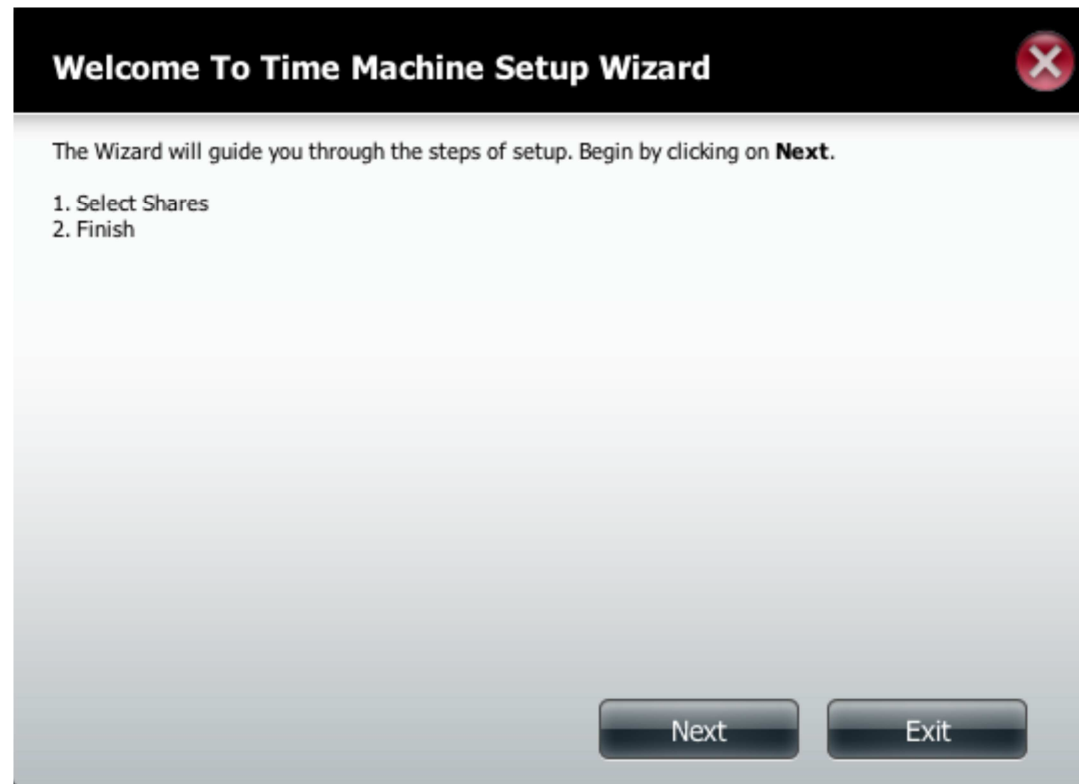
Step 6:

Next click the **blue arrow** under **Time Machine Settings**. This will reveal the available storage devices. If none are present, click the **New** button.



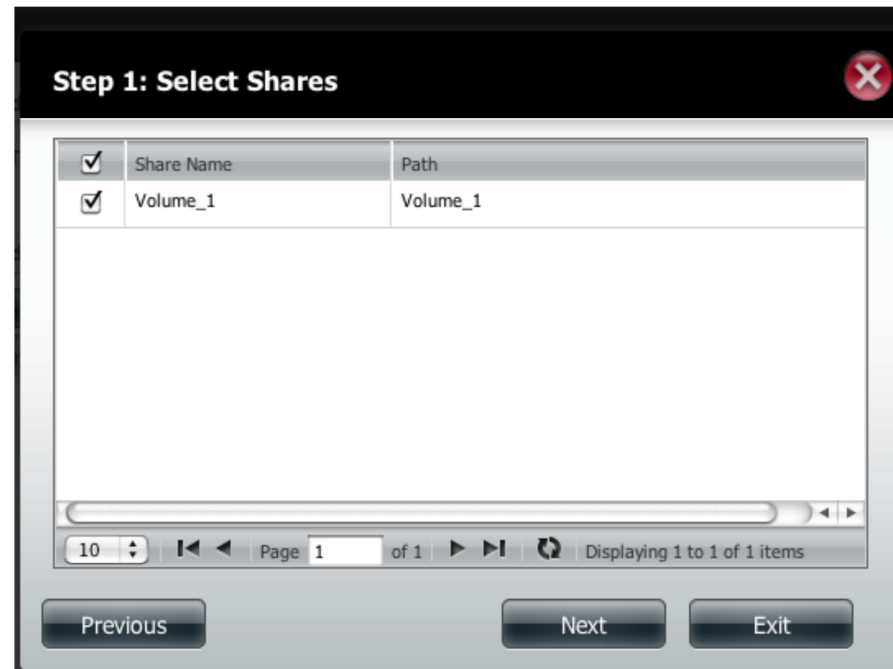
Step 7:

Click **Next** and the 'Welcome to Time Machine Setup Wizard' will appear. Click **Next** to continue.



Step 8:

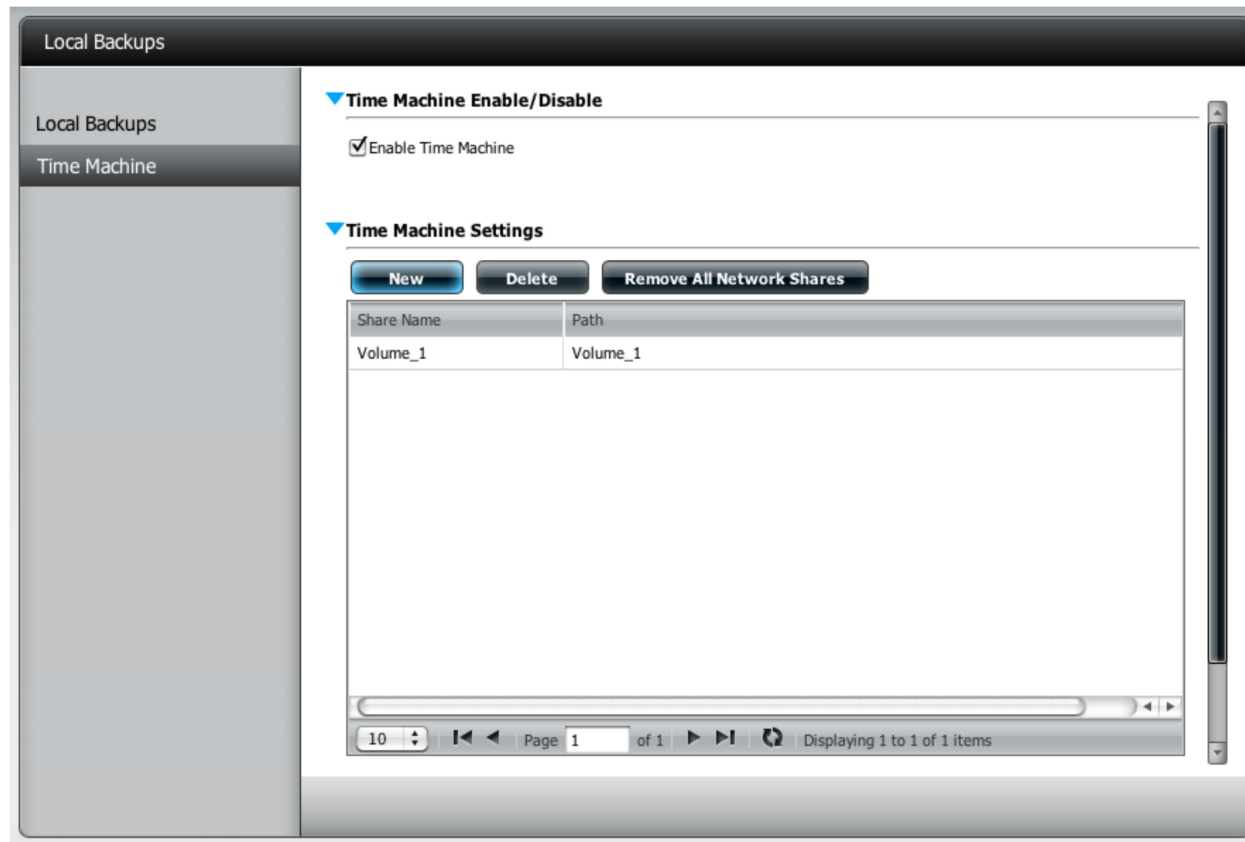
From the **Select Shares** description, check the **Volume** that you want to use with **Time Machine** and click **Next**.



Click **Next** again.

Step 9:

The new volume will be displayed in the **Time Machine Settings**.



Before you set up **Time Machine** on the Mac, you must first create a new user account on the ShareCenter NAS.

Step 10:

Once you have logged into the server, go to the **Management** icon atop. Then click on **Account Management**.

The screenshot shows a web browser window with the URL `http://10.80.78.13/web/management.html?id=account`. The page title is "ShareCenter™ by D-Link". The navigation bar includes "My Favorites", "Applications", and "Management" (which is highlighted). Below the navigation bar, there are several icons for different management functions: Setup Wizard, Disk Management, Account Management (selected), Network Management, Application Management, System Management, and System Status. The main content area is titled "Account Management" and features a sidebar with "Users / Groups", "Quotas", "Network Shares", and "Admin Password". The "User Settings" section is active, showing a table with columns for "User Name" and "Group Name". The table contains one entry: "john". Above the table are buttons for "New", "Modify", and "Delete". A pagination bar at the bottom of the table shows "Page 1 of 1" and "Displaying 1 to 1 of 1 items". On the right side of the page, there is a help section with the following text:

This section allows you to create unique users and groups for accessing your NAS device. You can create usernames for individual access as well as combine users into a group to limit storage quotas.

- Hints...
User passwords must be at least five characters long. A user name can not be the same as a group name.
- Help...
User Settings
Adding New Users
The following section will describe how to add a new user on this device. To add a user click on the "Add" button. An easy to configure wizard will be launched and look like the following:
Step 1: This window welcomes the user to the setup wizard for adding or modifying a user. This wizard will guide the user through the steps of setup.
In this wizard the user will be able to:
1) Create a new user account.
2) Join the user to a group.
3) Configure the appropriate network access settings.
4) Configure the user quota.
5) View a summary of the configuration before completing the addition.
Click on the "Next" button to continue. Click on the "Exit" button to discard the changes made and return to the main configuration page.

The D-Link logo is visible in the bottom right corner of the page.

Step 11:

Click the **Users/Groups** tab on the left, then under **User Settings** click **New** to create a new user. This will direct you to **The User Setup Wizard**.

The screenshot shows a web browser window with the URL `http://10.80.78.13/web/management.html?id=account`. The page title is "ShareCenter™ by D-Link". The navigation menu includes "My Favorites", "Applications", and "Management". The "Management" section contains icons for "Setup Wizard", "Disk Management", "Account Management", "Network Management", "Application Management", "System Management", and "System Status". The "Account Management" section is active, showing a sidebar with "Users / Groups", "Quotas", "Network Shares", and "Admin Password". The main content area is titled "User Settings" and contains buttons for "New", "Modify", and "Delete". A table with two columns, "User Name" and "Group Name", is visible, with the entry "john" in the "User Name" column. The footer of the page displays the D-Link logo.

Account Management

Users / Groups

Quotas

Network Shares

Admin Password

User Settings

New Modify Delete

| User Name | Group Name |
|-----------|------------|
| john | |

Page 1 of 1 Displaying 1 to 1 of 1 items

D-Link

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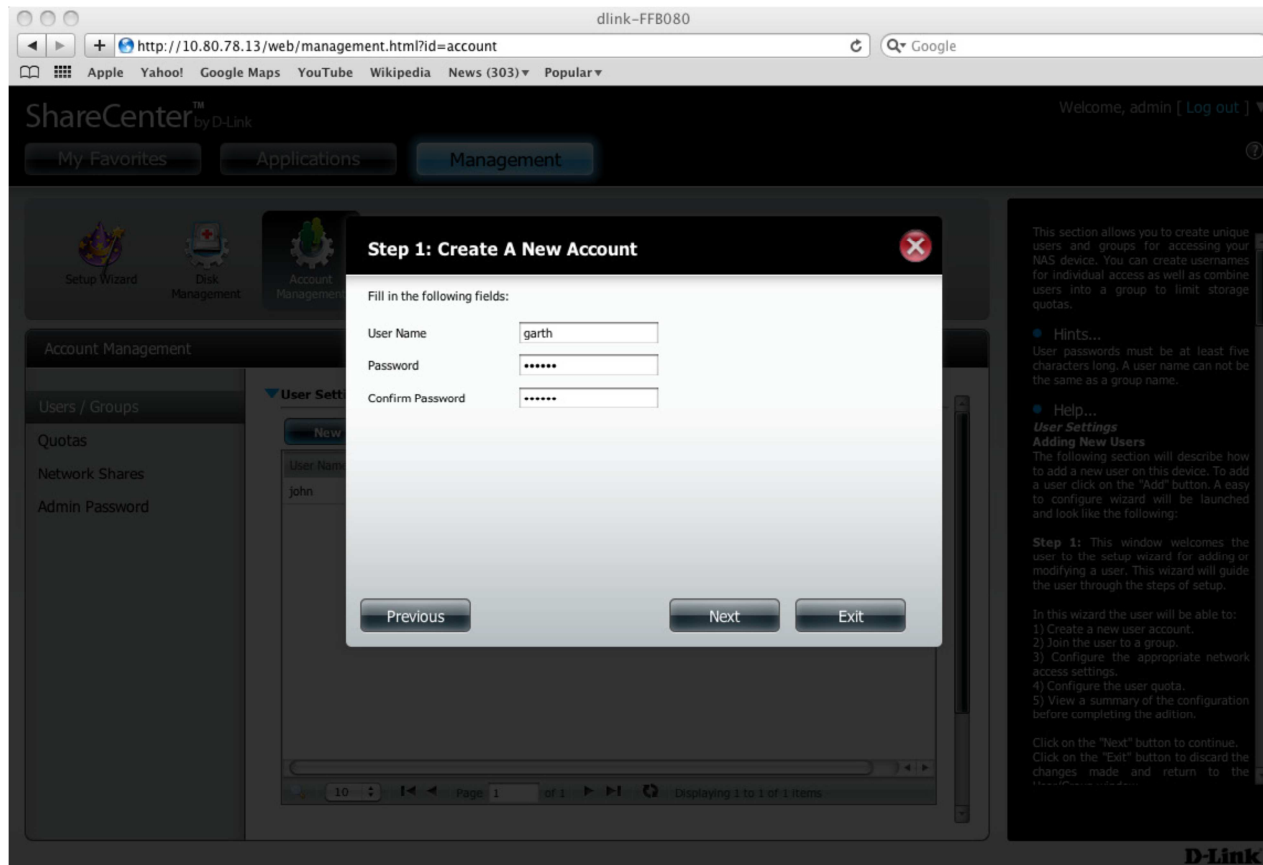
Step 12:

In the welcome screen of **The User Setup Wizard**, click **Next** to continue.

The screenshot shows a web browser window with the URL `http://10.80.78.13/web/management.html?id=account`. The browser's address bar and search bar are visible. The page title is "ShareCenter™ by D-Link". The navigation menu includes "My Favorites", "Applications", and "Management". The main content area is titled "Account Management" and contains a sidebar with "Users / Groups", "Quotas", "Network Shares", and "Admin Password". A central dialog box titled "Welcome To The User Setup Wizard" is displayed, containing the following text: "Welcome to the account setup wizard. The wizard will guide you through the steps of setup. Begin by clicking on **Next**." Below the text is a list of steps: "1. Create A New Account", "2. Join The User To A Group", "3. Network Shares Settings", "4. Quota Settings", and "5. Finish". A graphic of two stylized human figures (one green, one yellow) standing on a gear is centered in the dialog. At the bottom of the dialog are "Next" and "Exit" buttons. To the right of the dialog, there is a "Hints..." section with the text: "User passwords must be at least five characters long. A user name can not be the same as a group name." Below this is a "Help..." section with the text: "The following section will describe how to add a new user on this device. To add a user click on the 'Add' button. A easy to configure wizard will be launched and look like the following: Step 1: This window welcomes the user to the setup wizard for adding or modifying a user. This wizard will guide the user through the steps of setup. In this wizard the user will be able to: 1) Create a new user account. 2) Join the user to a group. 3) Configure the appropriate network access settings. 4) Configure the user quota. 5) View a summary of the configuration before completing the addition. Click on the 'Next' button to continue. Click on the 'Exit' button to discard the changes made and return to the main management screen." The D-Link logo is visible in the bottom right corner of the page.

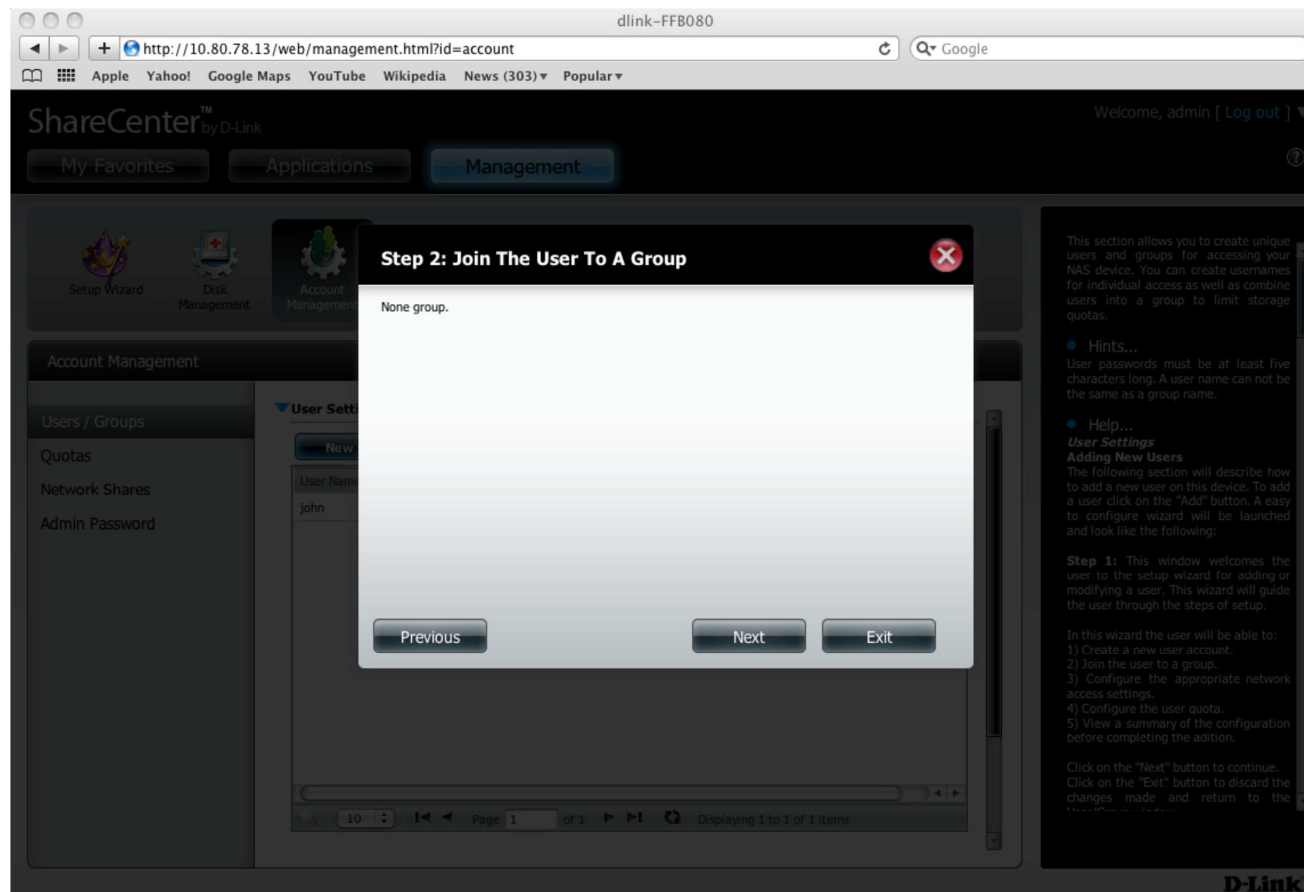
Step 13:

In the **Create a New Account** step, type a **Username**, **Password**, and **confirmation of the password**. Do not use **admin** as the new account name. Click **Next** to continue.



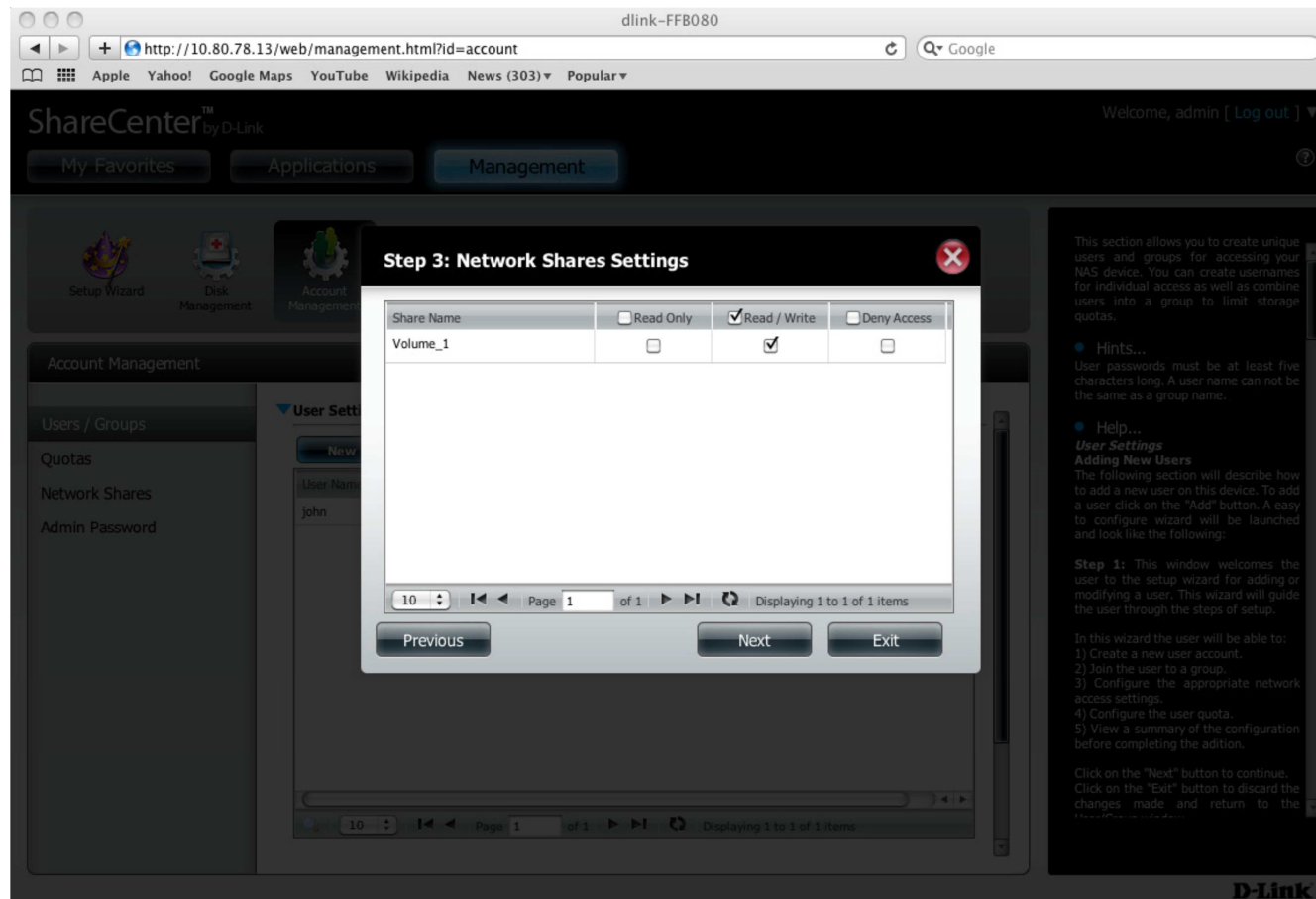
Step 14:

Next, under the **Join the User to a Group**, select a **Group** or do not select anything (if there is no group present) and click **Next** to continue.



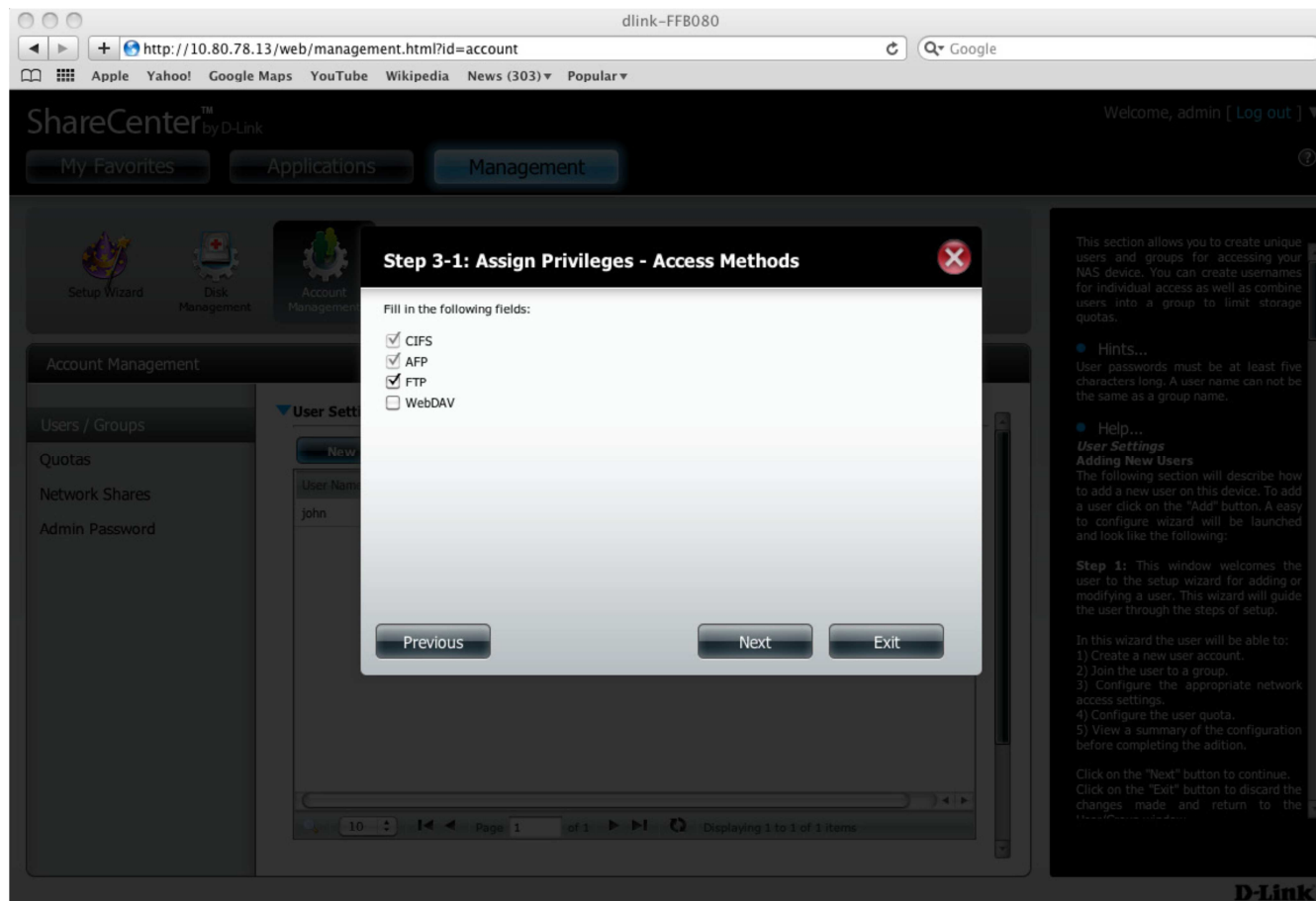
Step 15:

Next under **Network Shares Settings**, select the type of properties you would like to assign to the user under a particular volume. Click **Next** to continue.



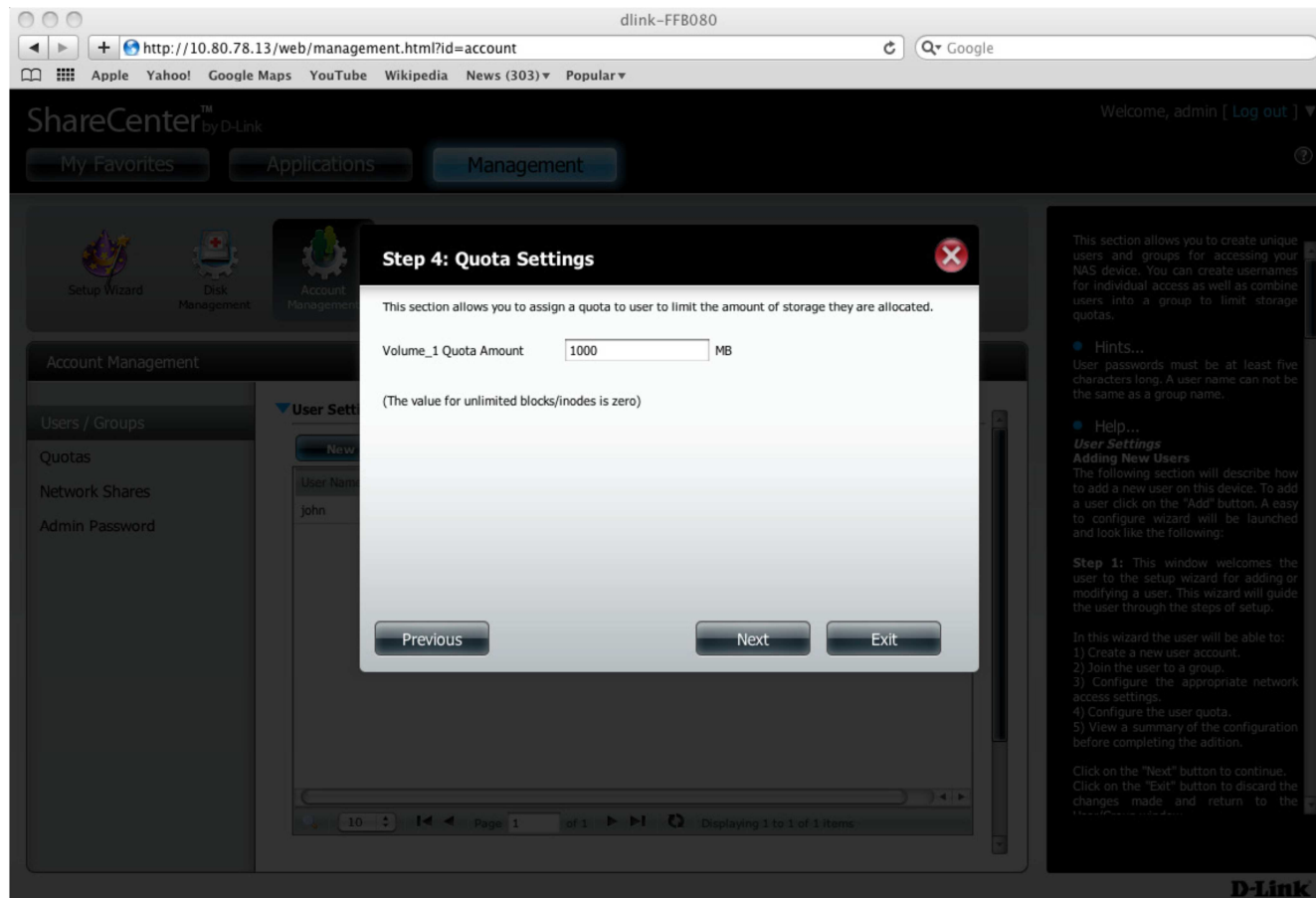
Step 16:

Under the **Assign Privileges - Access Methods** step, check the fields you would like the user to be a member of. Click **Next** to continue.



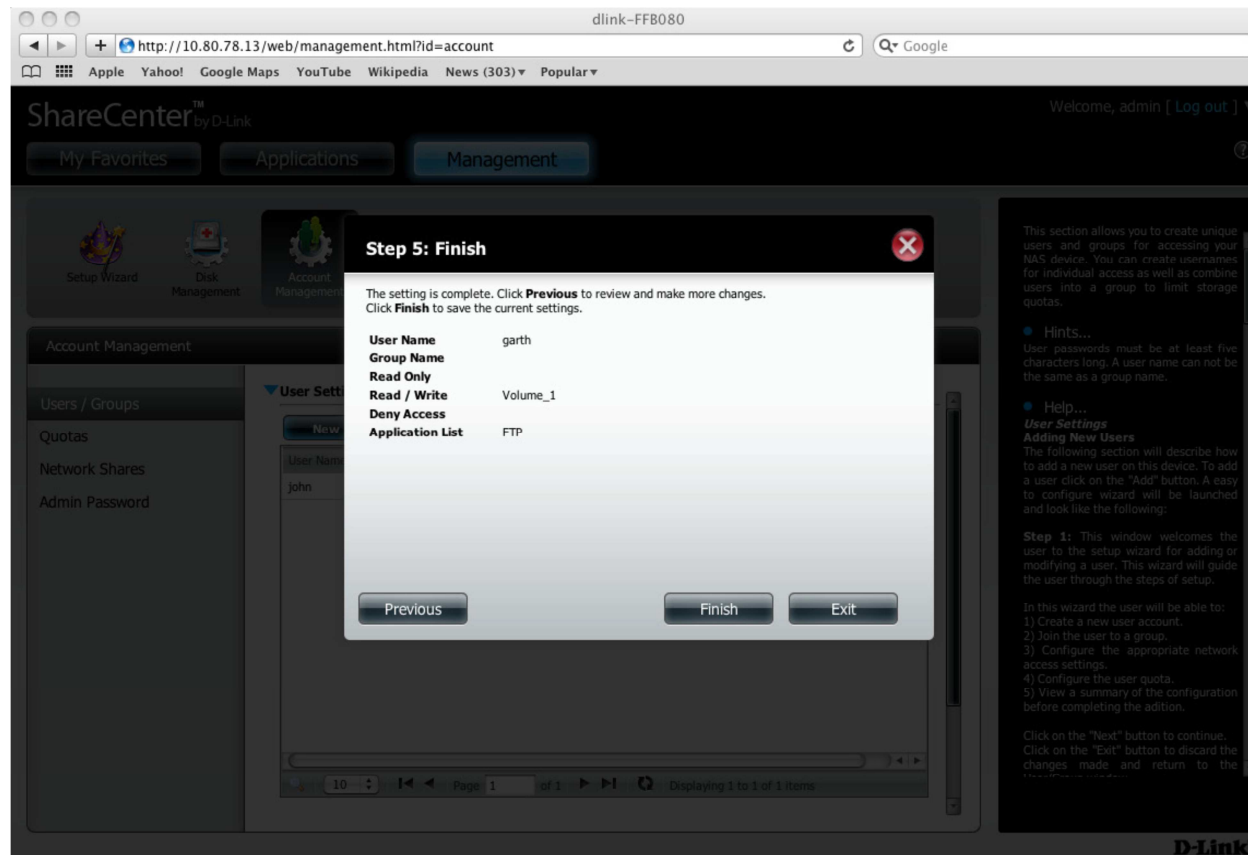
Step 17:

Next under **Quota Settings**, give the user a fixed backup data size (in MB), and click **Next** to continue.



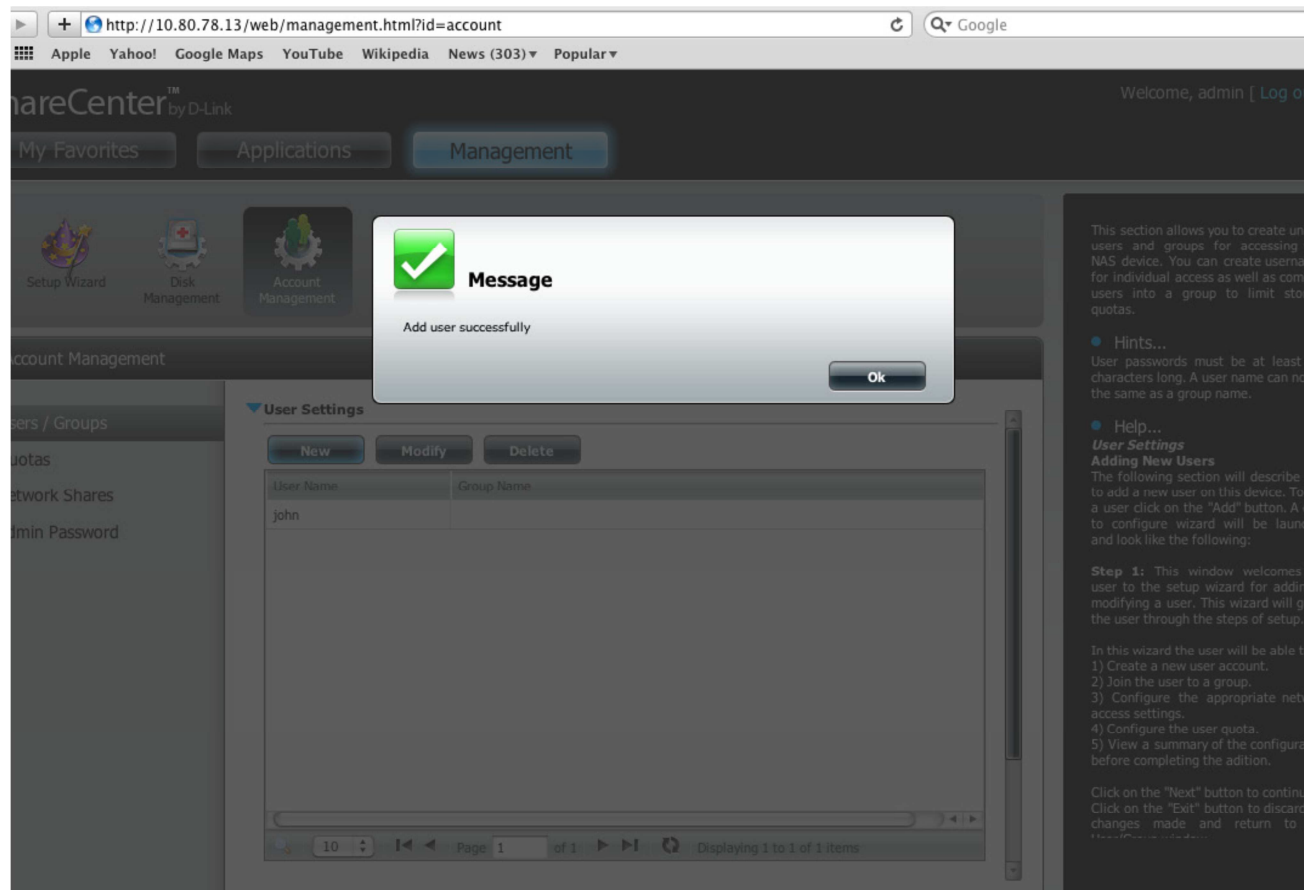
Step 18:

The **User Setup Wizard**, is now complete. A summary will appear at the end confirming your settings. Review your settings and click **Finish** to complete the wizard.



Step 19:

A message will appear confirming that a new user has been successfully added to the ShareCenter.



Step 20:

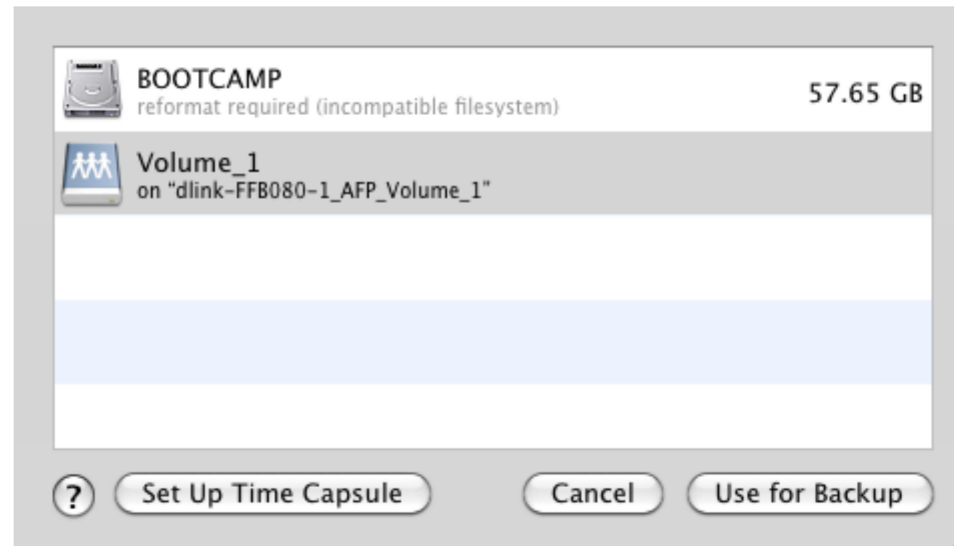
On the Mac, click **Time Machine** (if it is not on the Task Bar, go to System Preferences, and under System Preferences, click Time Machine). Then click **Set Up Time Machine**.

Step 21:

In the main Time Machine window, click **Select Backup Disk**.



A new window will appear displaying a list of volumes or drives available.



Step 22:

Select the ShareCenter NAS volume. (In this example “**Volume_1**” is the NAS volume). Then click **Use for Backup**.

Step 23:

Next you will be prompted to enter a **username** and **password**. Enter the username and password you created earlier in **step 13** of this guide and click **Connect**.



Enter your name and password for the server "dlink-FFB080" so that Time Machine can access it.

Connect as: Guest
 Registered User

Name:

Password:

Step 24:

Time Machine will then connect to the **ShareCenter NAS** and begin the backup process.

