

7. Sharepoints (Part 1)

About this Document

This document is the **seventh** in a series of documents describing the process of installing and configuring a *Mac OS X 10.6 Server* in a school environment, and the first of two documents discussing the creation and configuration of share points suitable for use in a school environment.

Other documents in this series are available at:
servernotes.wazmac.com

This document provides a guide to creating setting up share points on your server.

This model describes a process where each of your network users (students and teachers) will have a *Home folder* stored on the server.

This Home folder will be stored in an auto-mounting share point, along with all other users' Home folders.

Mac OS X Home folders, by default, are generally kept in a folder called *Users*.

The procedure described in this document suggests using an alternative structure, suitable for schools, with each user's Home folder stored in a share point on a separate (or partitioned) *Data* drive, rather than the drive containing the *Mac Server OSX* software.

Other documents in this series

- Installing & setting up the *Mac OS X Server* Software
 - Initial software Installation and config.
- Configuring DNS
 - adjusting the default setup, checking zones, adding machines.
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- Setting up Services - 4
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- **Setting up Sharepoints - 1 (This document)**
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1. **Creating Folders to be Shared**

The model described in this document suggests locating shared folders on a separate drive to the drive running the Server operating system.

*This drive is named the **Data** drive.*

If you have a large student population, you may consider spreading the students' (and teachers') Home folders over multiple drives, if your server has the capacity to do this (ie xServe with 3 drive modules).

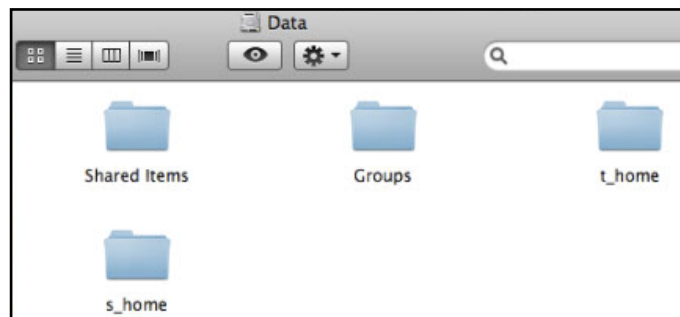
The notes below will assume just one drive is being used for data.

1.1. Open the **Data** drive.

If you have elected to use the **Data** drive for the built-in *Time-Machine* backup option for network computers there may already be a **Shared Items** folder on this drive.

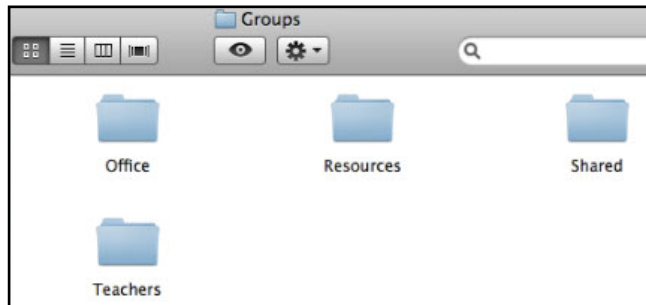
1.2. Create the following folders:

- a folder called **Groups**;
- a folder for *Students'* Home folders, called **s_home**;
- a folder for *Teachers'* Home folders, called **t_home**;



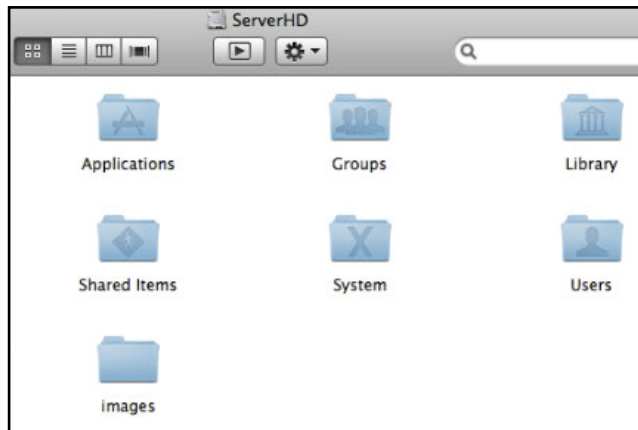
1.3. Within the **Groups** folder create four new folders:

- Office
- Resources
- Shared
- Teachers



1.4. Open the **ServerHD** drive.

- Create a folder called **images**.



This folder will be used to store disk images for the re-imaging of client computers.

2. Sharing the Groups Folder

2.1. Open *Server Admin*.



2.2. Click on the name of the server in the left pane of the window, then on the **File Sharing** icon at the top of the window.

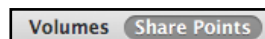


2.3. Our first task is to “unshare” the existing **Groups** folder which has been created by default on the **ServerHD** drive.

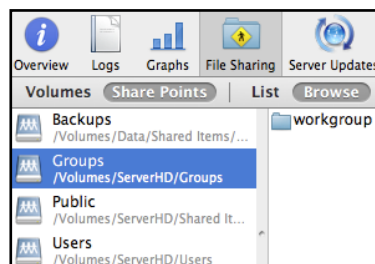
We have made another **Groups** folder on the **Data** drive, which will be used instead, keeping all our user data in one easy-to-backup location.

To “unshare” the default **Groups** folder:

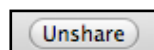
2.3.1. Click on the **Share Points** button at the top of the window.



2.3.2. Click on the **Groups** folder.



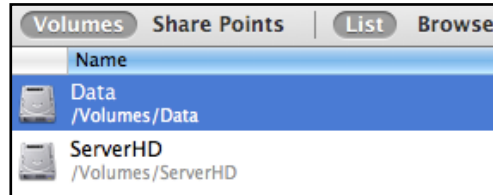
2.3.3. Click on the **Unshare** button at the top right of the window.



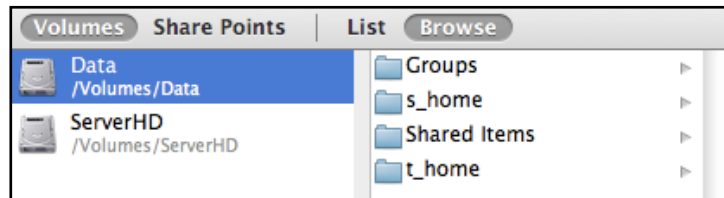
- Click on the **Save** button.

2.4. To share our (newly created) **Groups** folder on the **Data** drive:

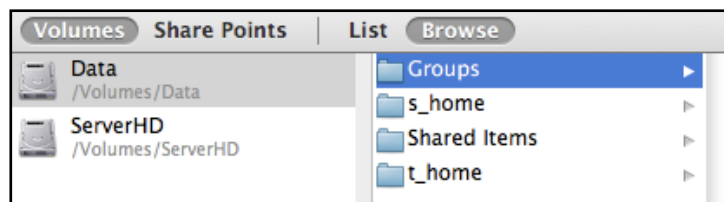
2.4.1. Click on the **Volumes** button at the top of the window.



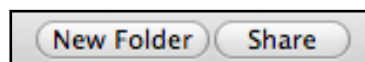
2.4.2. Click on the **Browse** button, and then on the **Data** drive.



2.4.3. Click on the **Groups** folder in the list of available folders.



2.4.4. Click on the **Share** button at the top right of the window.

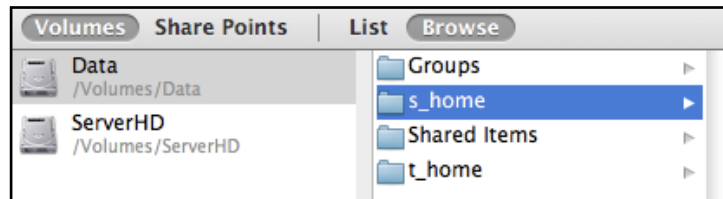


- Click on the **Save** button.

3. Creating Home Folder Sharepoints

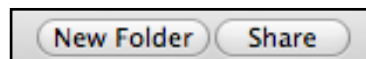
We will create two Home folder share points - one for teachers' home folders and one for students' home folders.

- 3.1. In *Server Admin*, click on the **s_home** folder, on the **Data** volume.

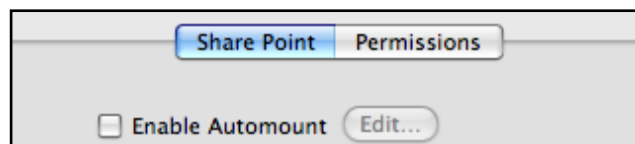


This folder will be used to store each student's Home folder.

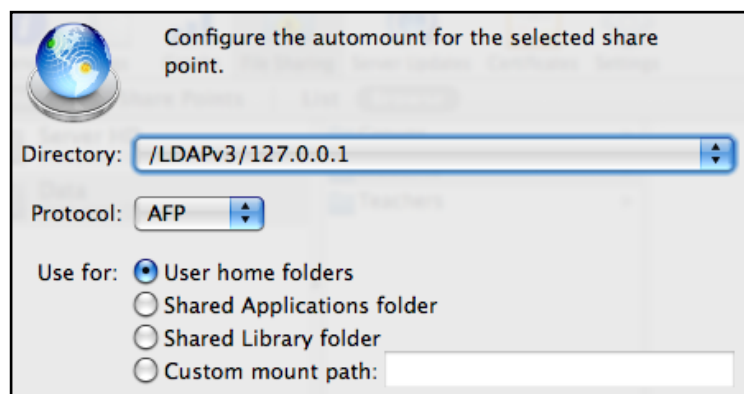
- 3.2. Click on the **Share** button at the top right of the window.



- 3.3. At the bottom of the window, tick the box to **Enable Automount**.

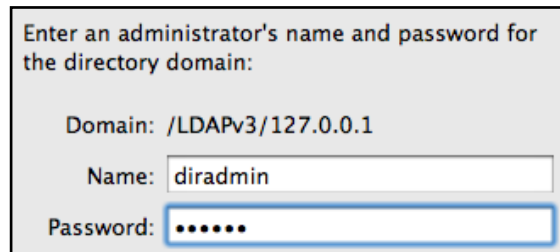


- 3.4. A window will appear asking you to indicate the intended use of the automount.



- 3.5. Click on the **OK** button to accept the use of the folder for **User home folders**, using the **AFP** protocol.

You will need to enter your Directory Administrator's username and password.



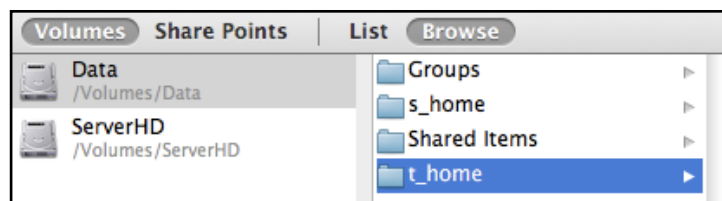
Enter an administrator's name and password for the directory domain:

Domain: /LDAPv3/127.0.0.1

Name:

Password:

- 3.6. Click on the **Save** button.
- 3.7. Repeat the above procedure to share and auto-mount the **t_home** folder.



- 3.8. You have now setup three share points - the **Groups** folder to share files between users, the **s_home** folder in which to store students' Home folders, and the **t_home** in which to store teachers' (and other staff members) Home folders.

After creating some users and groups in the next document, the second part of the *Sharepoints* documentation provides a guide to some further share point configuration.