

## 2.2 Mac OSX Services - AFP, Web, Windows

Now that your server is installed, DNS setup, and the OD software updated, you can begin enabling various services on your server.

This document describes setting up the following services on a *Mac OS X 10.4* server:

- *Apple File Protocol (AFP)*;
- *Web*;
- *Windows*
- *plus - tweaking AFP settings*

These three services are grouped together in this one document for no reason other than that they require minimal configuration, and don't really justify a separate document of their own!

### 1. Apple File Protocol (AFP)

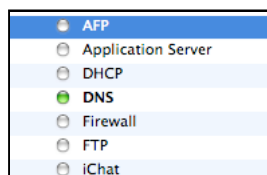
**NOTE:** See *Part 4 of this document for information about tweaking AFP for improved reliability.*

The *Apple Filing Protocol (AFP)* service allows *Macintosh* clients to connect to the server and access folders and files.

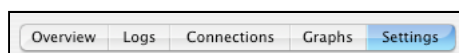
#### 1.1. Launch **Server Admin**.



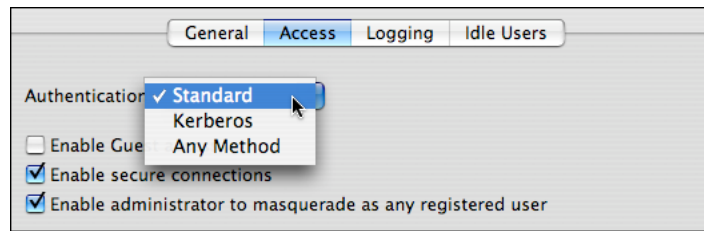
#### 1.2. Click on the **AFP** service in the left pane.



#### 1.3. Click on the **Settings** button in the right pane.

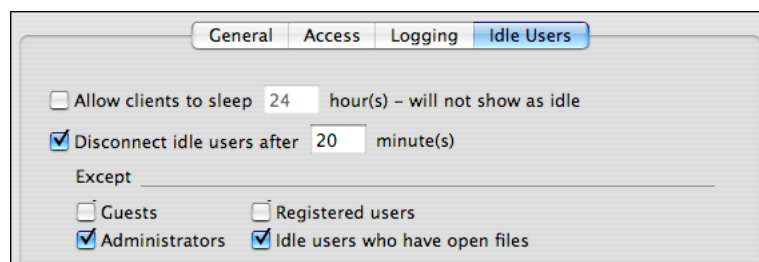


- 1.4. Click on the **Access** tab, then choose **Standard** from the **Authentication** pop-up menu



Leave **Guest access** disabled.

- 1.5. Click on the **Idle Users** tab and adjust the settings as shown below.



- 1.6. Click on the **Save** button.

- 1.7. Click on the **Start Service** button.



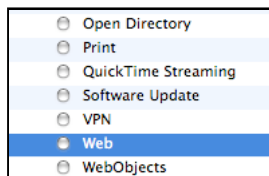
- 1.8. You have now started the **AFP service**.

**NOTE: See Part 4 of this document for information about tweaking the AFP for improved reliability.**

## 2. Web Service

2.1. Launch **Server Admin**.

2.2. Click on the **Web** service in the left pane.



2.3. Click on the **Start Service** button.



2.4. To test that the Web Server is working.....

Go to a client computer, launch a browser, and enter the server's IP address.

Assuming that any proxy server you are using is correctly configured, you should be able to see the server's **default** web page:



This location of this file is: *Library > Webserver > Documents > index.html*

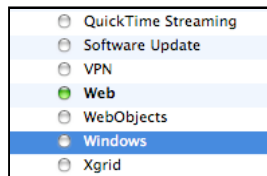
*See Wazza's intranet notes for details about personalising this site for your school's Intranet. ([www.wazmac.com/wazza/intranet](http://www.wazmac.com/wazza/intranet))*

### 3. Windows Services

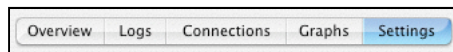
3.1. Launch **Server Admin**.



3.2. Click on the **Windows** service in the left pane.



3.3. Click on the **Settings** button at the bottom of the window.



3.4. If you know that the *Windows* computers on your network are in a specific *Workgroup*, enter the name of that *Workgroup* in the **Workgroup** field. If not, leave as the default *Workgroup* setting.



Click on the **Save** button.

3.5. Click on the **Start Service** icon at the top of the window.



3.6. Other documents in this series provides more details about *Windows* computers connecting to the workgroup, and setting up and connecting to a *Windows* domain on an *OSX Server*.

#### 4. Tweaking AFP to make it work correctly!

At the time of writing (10.4.7) many schools were still experiencing login/logout issues, when their server was setup according to Apple's "preferred" procedures.

Our experience suggests that login issues will be reduced (dare I say completely eradicated!) if you enable **AFP Guest** access.

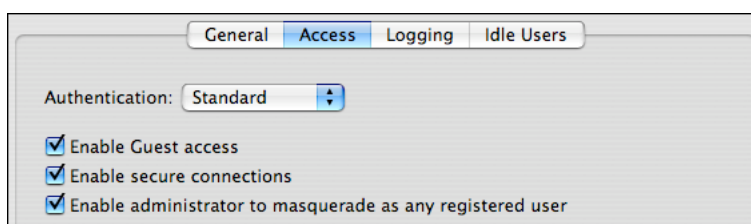
However, this brings with it the possibility of swamping your server with additional connections. When you activate Guest access, you will notice that each user connection brings with it up to six Guest connections from the one computer.

So in a school with 50 concurrent users, you may notice in *Server Admin > AFP > Connections* that you have up to 300 connections!

You may also notice that some of these connections are persistent - especially if a user connection crashes, etc.

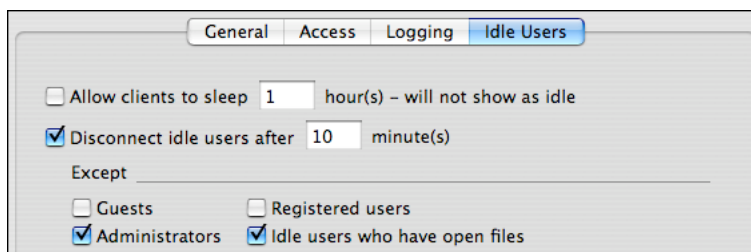
Setting up *AFP* as described below has improved the reliability of servers in schools:

##### 4.1. Enable **Guest** access.



(Server Admin > AFP > Settings)

##### 4.2. Click on the **Idle Users** button.



Enable/Disable settings as above.

##### 4.3. Click on the **Save** button.

4.4. The following no longer seems to be required in *10.4.8 Universal* - but it is left here for reference..

4.4.1. Start the *Terminal* application from the **Dock**.



4.4.2. Send the following commands (one at a time - type Return between each command):

```
sudo serveradmin settings afp:maxThreads = 600  
sudo serveradmin settings afp:reconnectTTLInMin = 20  
sudo serveradmin settings afp:clientSleepTime = 1  
sudo serveradmin settings afp:idleDisconnectTime = 10
```

**Note:** You can use *Copy and Paste* in *Terminal* to save some typing!

4.4.3. Your logins should now be more reliable and you have the added bonus of now being a *Terminal* expert!