

## 6. Open Directory

### About this Document

This document is the **sixth** in a series of documents describing the process of installing and configuring a *Mac OS X 10.6 Server* in a school environment.

Other documents in this series are available at:  
[servernotes.wazmac.com](http://servernotes.wazmac.com)

This document provides a guide to enabling and configuring the *Open Directory* service to be an *Open Directory Master* on a *Mac OS X 10.6 Server* in a school environment.

## 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.
- Setting up Services - 1
  - Services overview
- Setting up Services - 2
  - AFP, Web & SMB (*Windows*)
- Setting up Services - 3
  - DHCP
- **Setting up Services - 4 (This document)**
  - Open Directory
- Setting up Sharepoints - 1
  - Groups folder
  - Home directories
- Setting up Users and Groups
- Setting up Sharepoints - 2
  - Imaging folder
  - Group folder permissions
- Client Imaging
  - Creating a master image
  - Creating a NetBoot image
  - Configuring NetBoot
  - Preparing the Server
  - Deploying a master image
- Managing Preferences
- Connecting from *Windows XP* - WorkGroup
- Configuring *Mac OS X Server* as a *Primary Domain Controller* (PDC)
- Connecting OS X Clients to Open Directory
- Backing up your Server
- Configuring your Intranet
- Enabling Blogs and Wikis

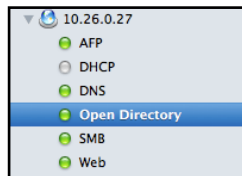
## 1. *Enabling and Configuring Open Directory*

The *Open Directory* service allows students and teachers to authenticate to the server, and to locate and retrieve information from the server.

### 1.1. Launch *Server Admin*.



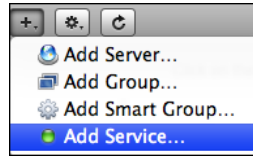
### 1.2. The *Open Directory* service should already be running, and enabled as an *Open Directory Master*, if the *Open Directory Master* option was selected as described in the initial server installation and setup procedure.



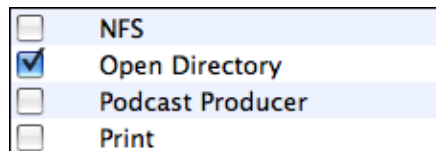
### 1.3. If so, you need not do anything else!

1.4. If *Open Directory* is not already enabled.....

1.4.1. Click on the **+** button at the bottom left corner of the *Server Admin* window and choose **Add Service**.

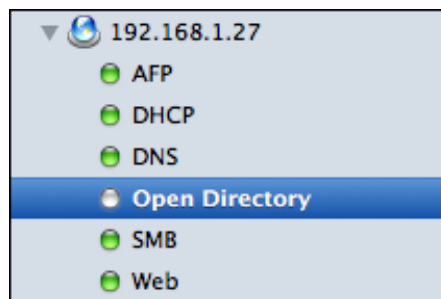


1.4.2. Tick the **Open Directory** option in the right pane of the *Server Admin* window.

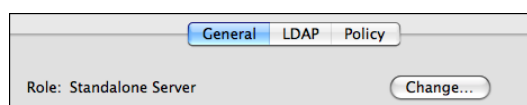


Click on the **Save** button.

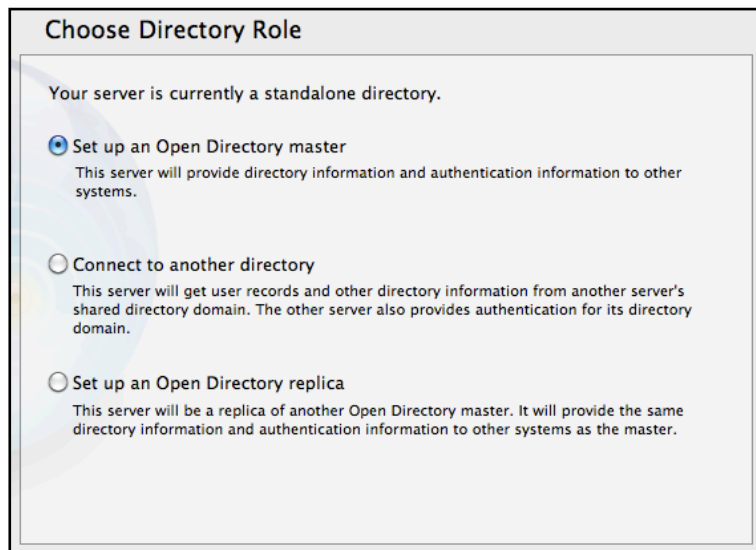
1.4.3. Select the **Open Directory** service in the left pane of the *Server Admin* window.



1.4.4. Click on the **Change** button in the right pane of the *Server Admin* window.



#### 1.4.5. Choose **Open Directory Master**.



**Choose Directory Role**

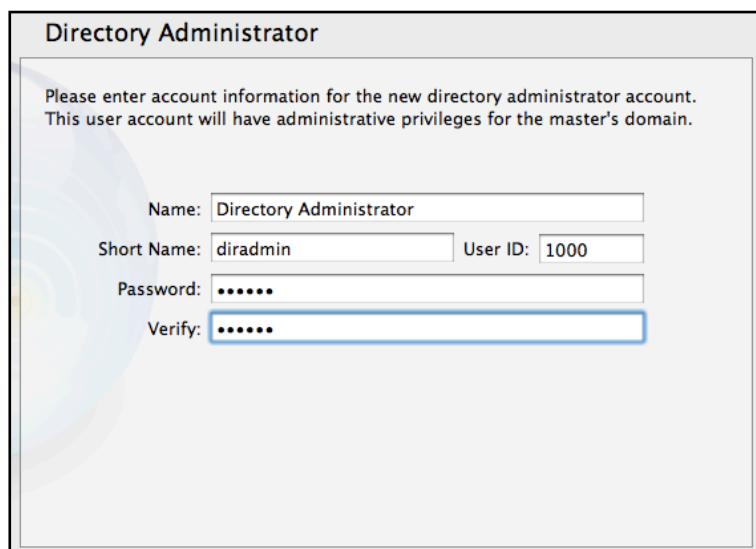
Your server is currently a standalone directory.

- Set up an Open Directory master**  
This server will provide directory information and authentication information to other systems.
- Connect to another directory**  
This server will get user records and other directory information from another server's shared directory domain. The other server also provides authentication for its directory domain.
- Set up an Open Directory replica**  
This server will be a replica of another Open Directory master. It will provide the same directory information and authentication information to other systems as the master.

Click on the **Continue** button.

#### 1.4.6. Accept the default **Name** (*Directory Administrator*), **Short Name** (*diradmin*) and **User ID** (*1000*).

Enter a **Password** (suggest the same as the server *Administrator* password).



**Directory Administrator**

Please enter account information for the new directory administrator account. This user account will have administrative privileges for the master's domain.

Name:

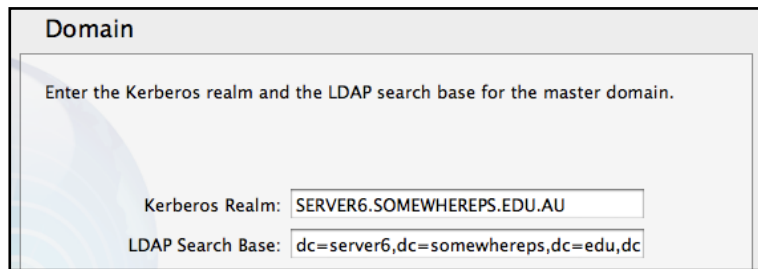
Short Name:  User ID:

Password:

Verify:

Click on the **Continue** button.

1.4.7. Accept the default **Kerberos Realm** and **Search Base** entries.



Domain

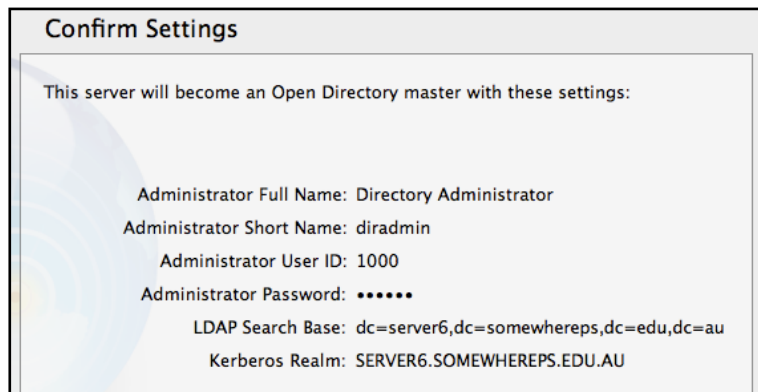
Enter the Kerberos realm and the LDAP search base for the master domain.

Kerberos Realm: SERVER6.SOMEWHEREPS.EDU.AU

LDAP Search Base: dc=server6,dc=somewhereps,dc=edu,dc

Click on the **Continue** button.

1.4.8. Check the Open Directory settings for typos.



Confirm Settings

This server will become an Open Directory master with these settings:

Administrator Full Name: Directory Administrator

Administrator Short Name: diradmin

Administrator User ID: 1000

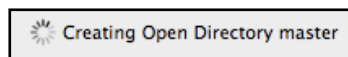
Administrator Password: \*\*\*\*\*

LDAP Search Base: dc=server6,dc=somewhereps,dc=edu,dc=au

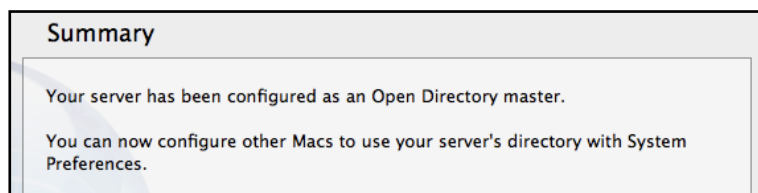
Kerberos Realm: SERVER6.SOMEWHEREPS.EDU.AU

Click on the **Continue** button.

1.4.9. There will be a short delay while the *Open Directory* service is configured.



1.4.10. You will be notified that the configuration is complete.



Summary

Your server has been configured as an Open Directory master.

You can now configure other Macs to use your server's directory with System Preferences.

Click on the **Close** button.