

Podcast Producer

Deploying Podcast Producer I

Slides: <http://macpres09.shownets.net>

Google Moderator: <http://bit.ly/Macworld-IT834>

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Justin Rummel

- Sr. Project Manager of Qivliq, Herndon, VA
 - Apple Professional Service Provider
 - Alaska Native Company (ANC)
- Over 10 Years Experience with Macs
- Apple Certifications: ACSA
- Other Certifications: PMP

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<http://macpres09.shownets.net>

Google Moderator

- Please visit <http://bit.ly/Macworld-IT834>
- (IT834: Deploying Podcast Producer I)
- Post Questions
- Will answer at the end of the session

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<http://macpres09.shownets.net>

Slides

- Slides are available at:
<http://macpres09.shownets.net>
- Please set all phones to vibrate,
Thanks!

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Agenda

Agenda

- Introduction
- What is Podcast Producer
- Presentation Setup
- Configure Server and Client machines

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Agenda - (Server Admin Setup)

- DNS
- Open Directory
- Web
- Mail
- QuickTime Streaming
- Xgrid
- NFS
- Podcast Producer

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Agenda (Samples & Xgrid)

- Sample Podcasts
- Xgrid
 - Bind Clients
 - Configure NFS Shares on Server and Client
 - Add user Xgrid Agents

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What is Podcast Producer?

About Podcast Producer

- Local camera, audio and screen recording
- Remote camera and audio capture
- Drag and Drop
- Workflows to customize production tasks (2nd Class @ 3PM)



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About Podcast Producer

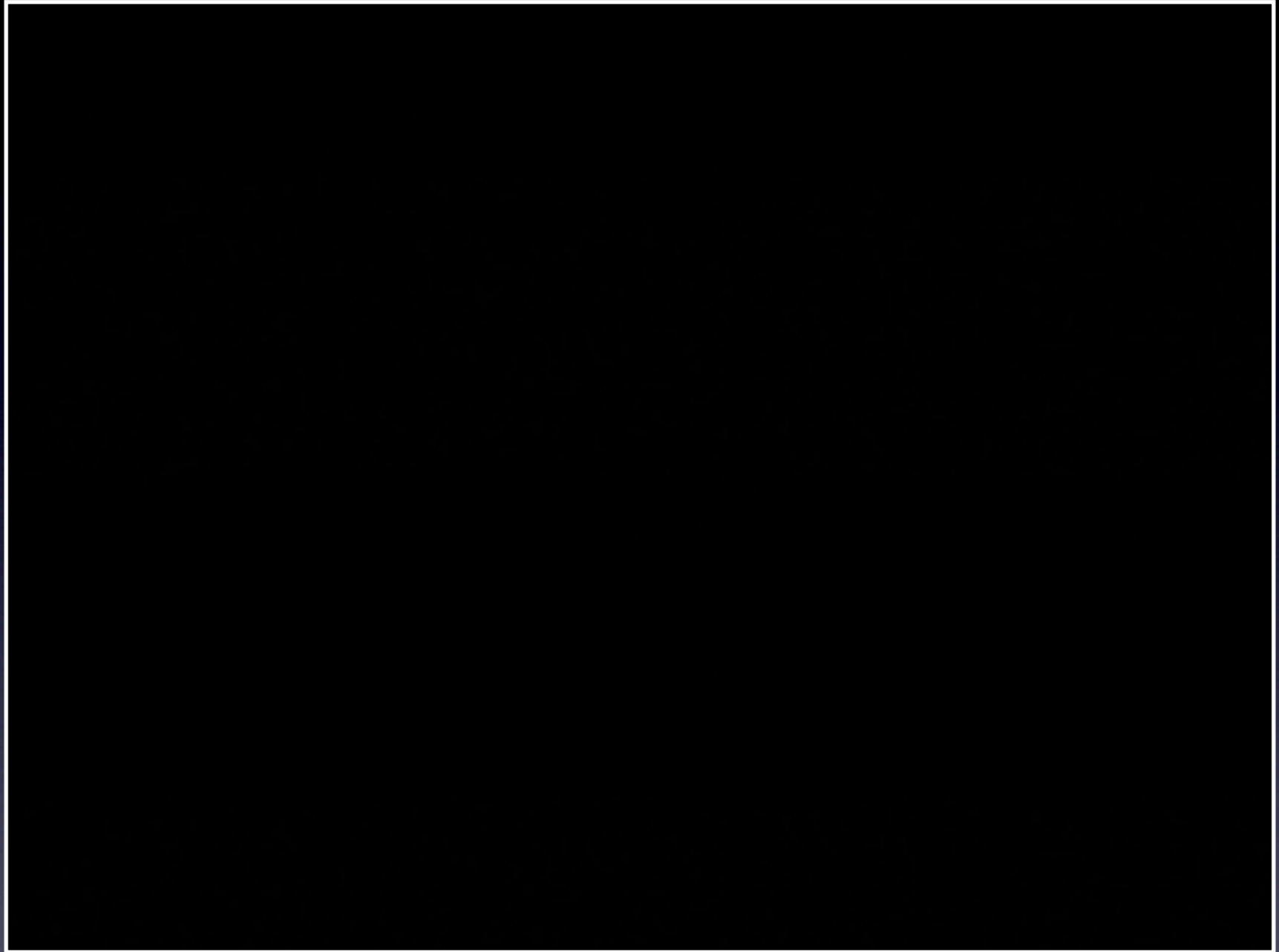
- Lots of Technology that must be mastered
- Automation is difficult
- Scalability
 - Storage
 - Network

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About Podcast Producer

- Xgrid to Processing nodes
- XSan for Storage
- ACLs for Security

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Server Setup

Presentation Setup

- Presentation Laptop
- Server Laptop
- Xgrid Client 1
- Xgrid Client 2
- Router & Switch

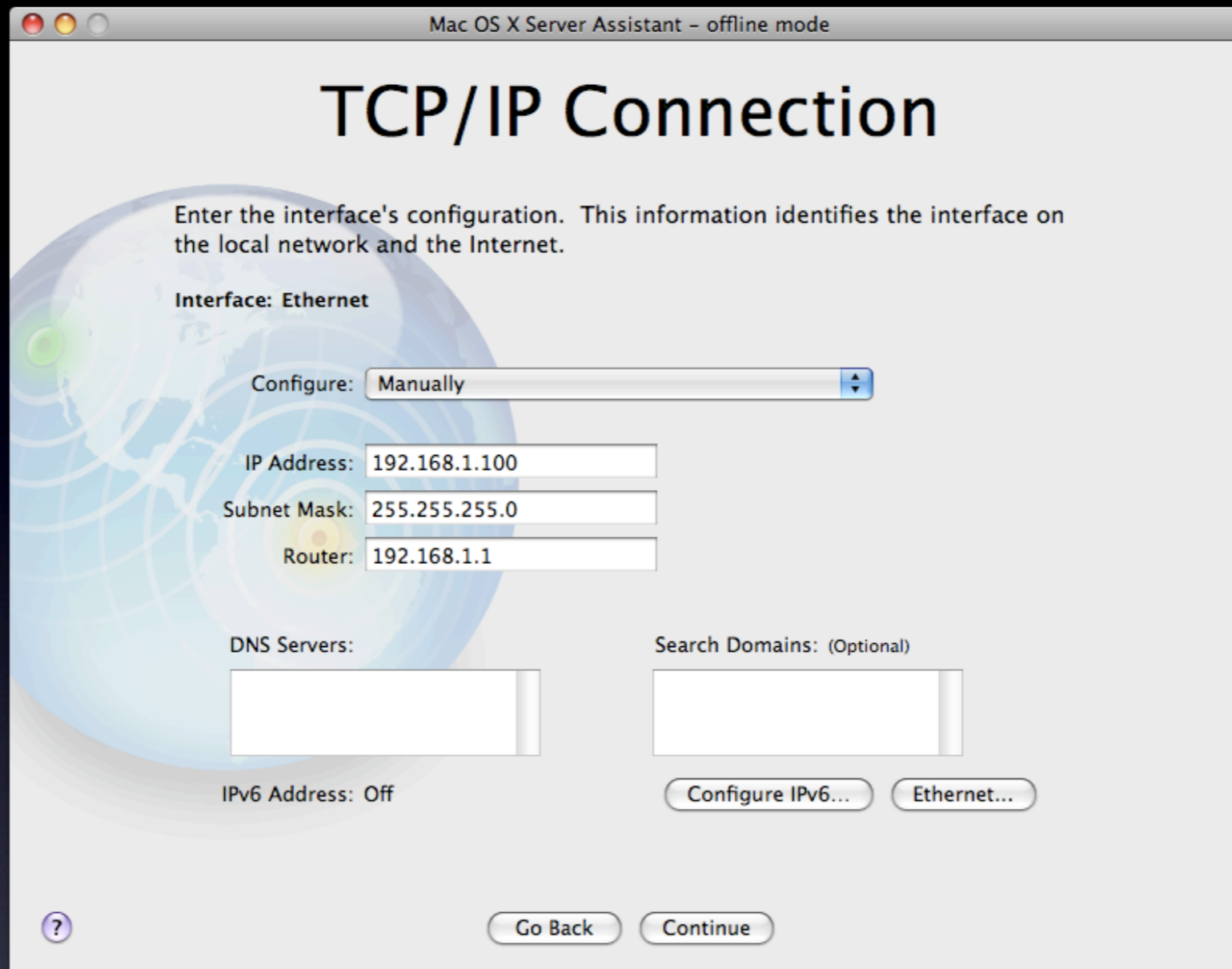


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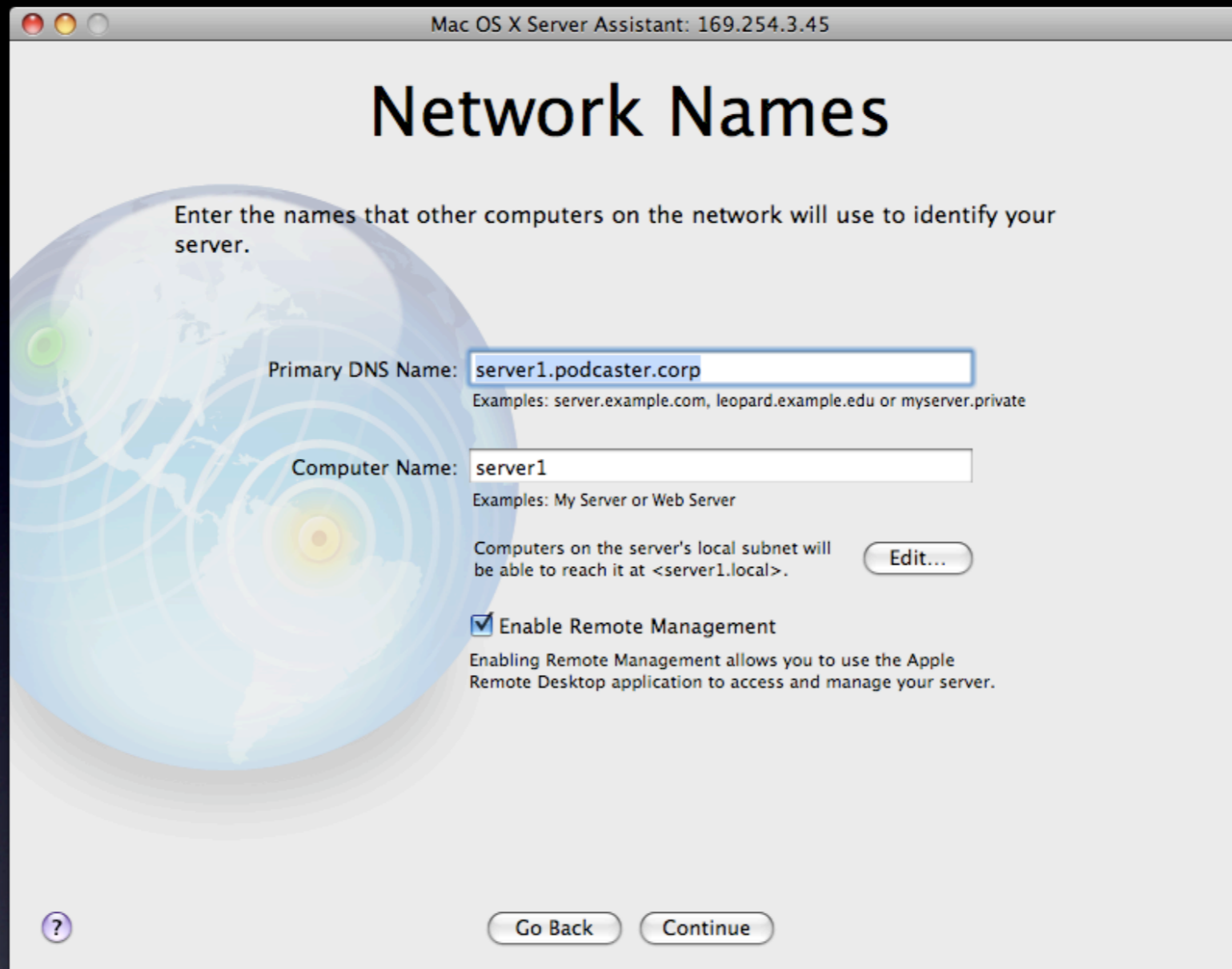
Advanced Server Setup

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TCP/IP Config

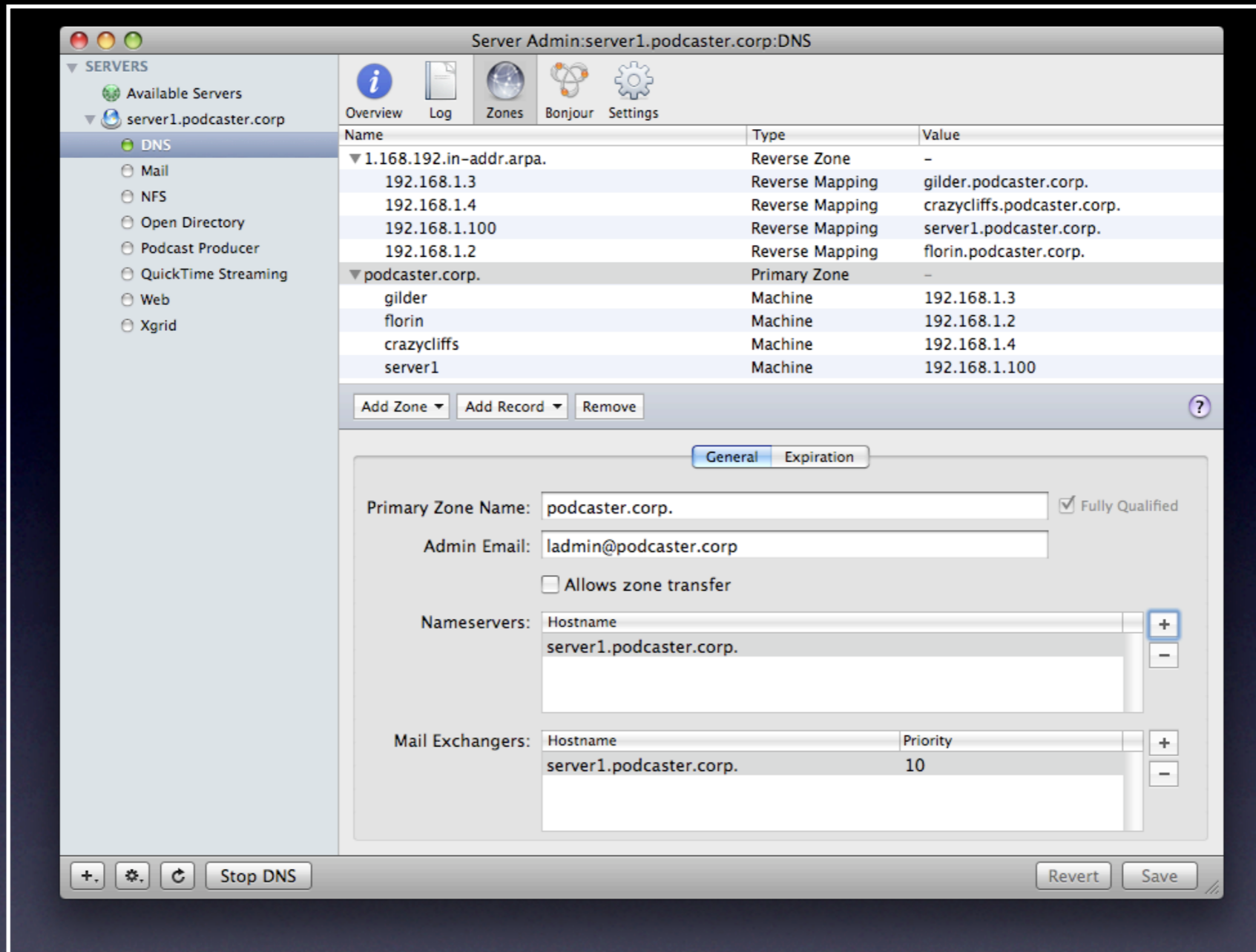
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Network Names

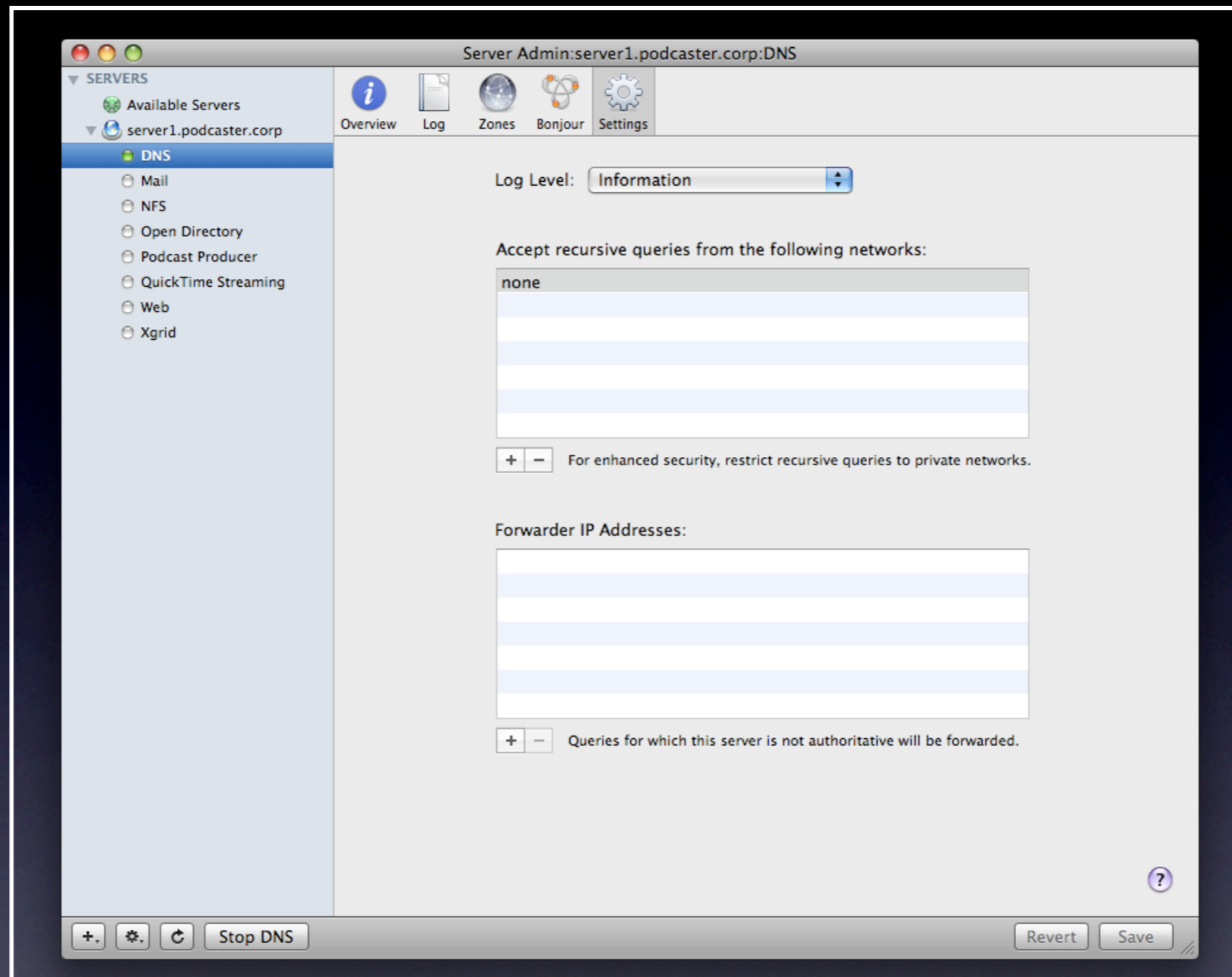
<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

DNS



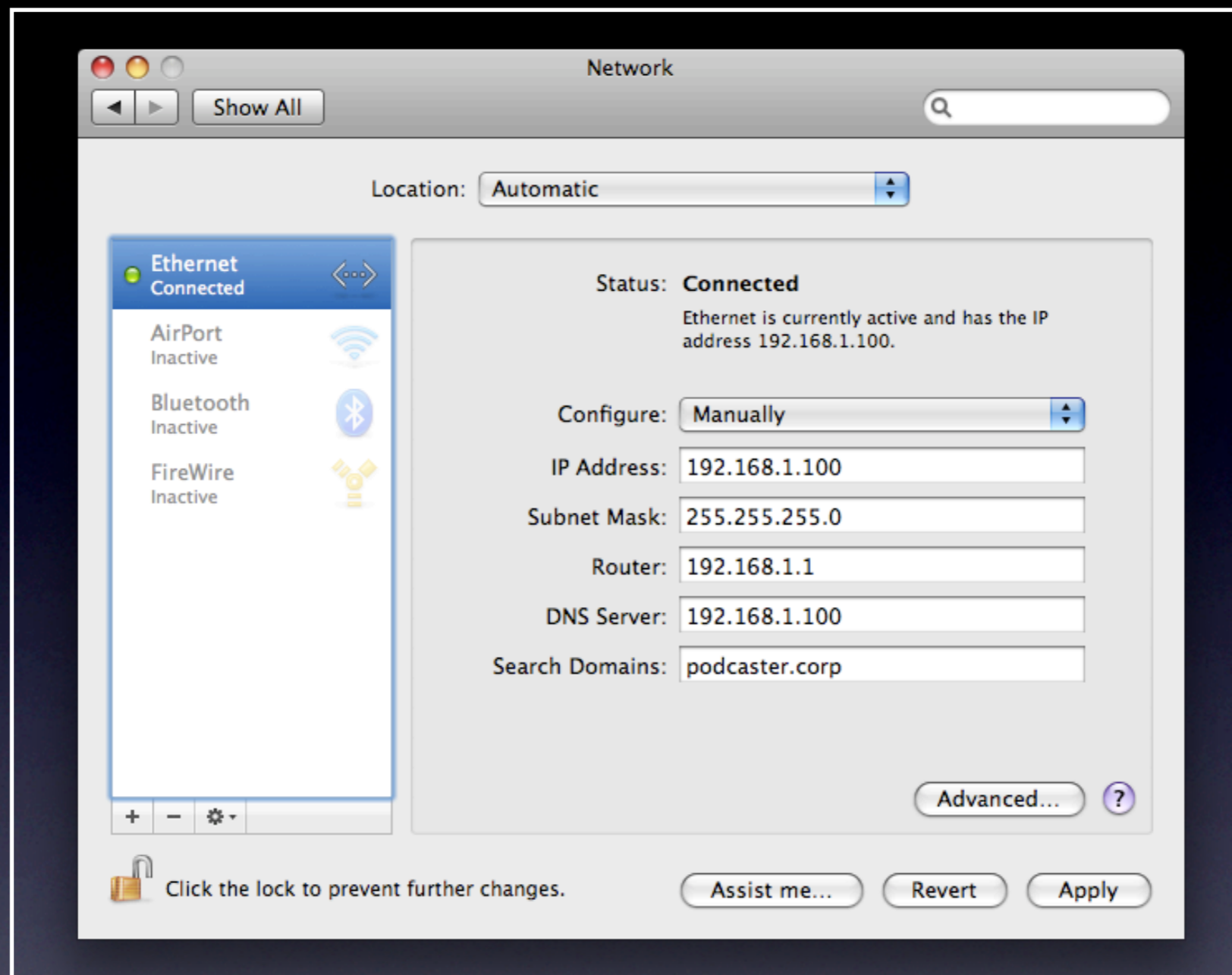
DNS Zone Setup

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DNS localnets

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Add DNS to Network Settings

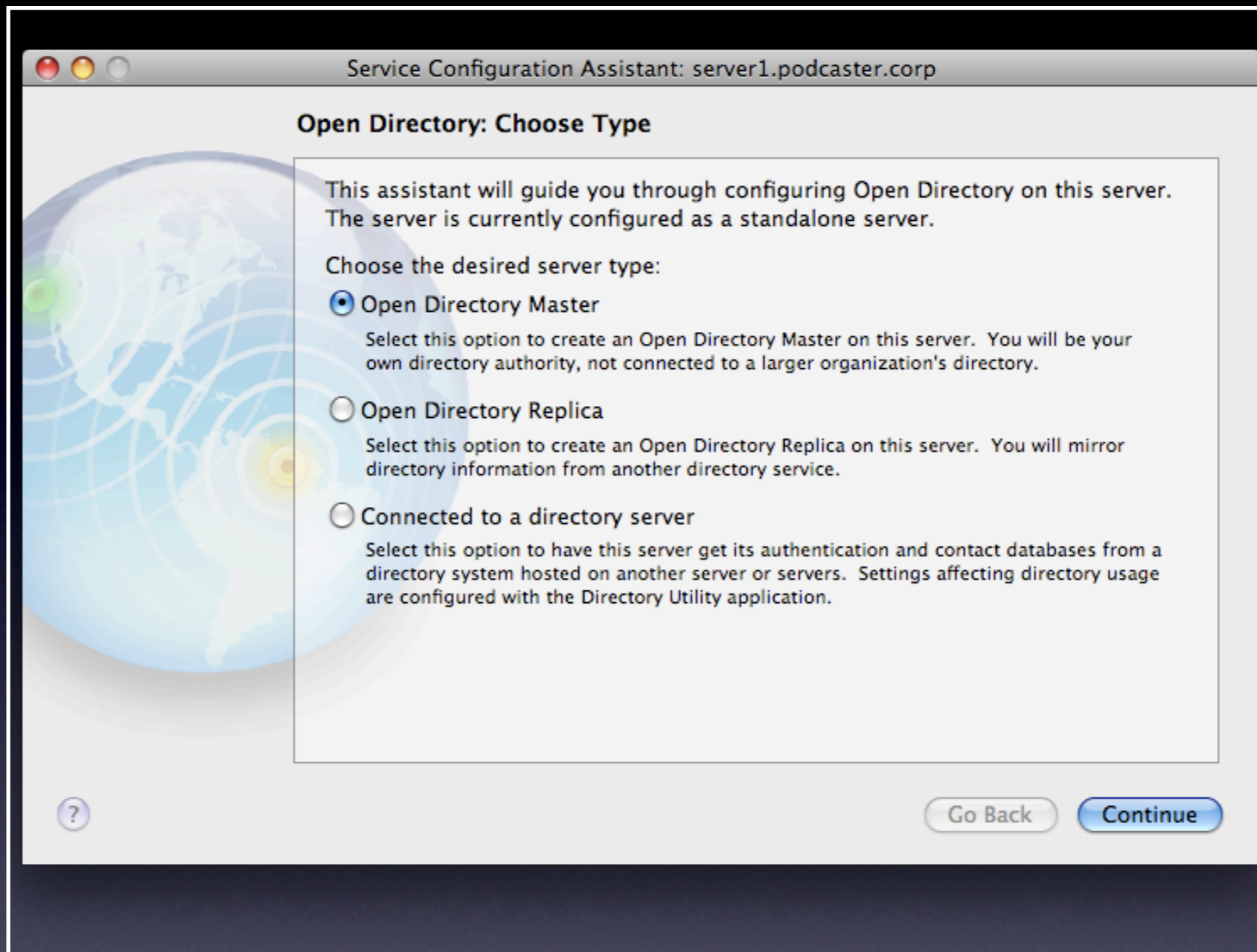
<http://bit.ly/Macworld-IT834>
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Verify DNS lookups

- hostname
- host server1.podcaster.corp
- host 10.1.1.1
- sudo changeip -checkhostname

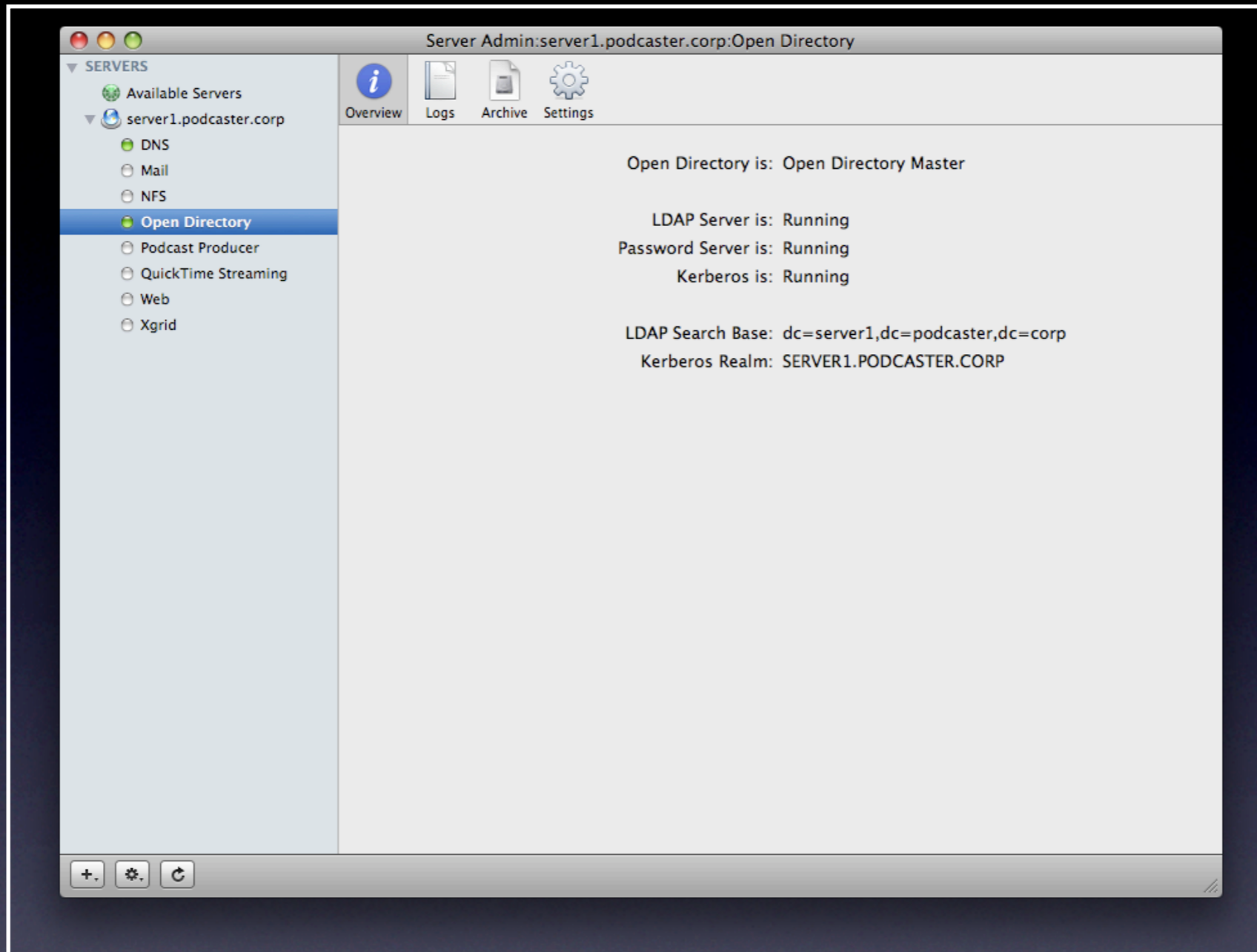
<http://bit.ly/Macworld-IT834>
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Open Directory



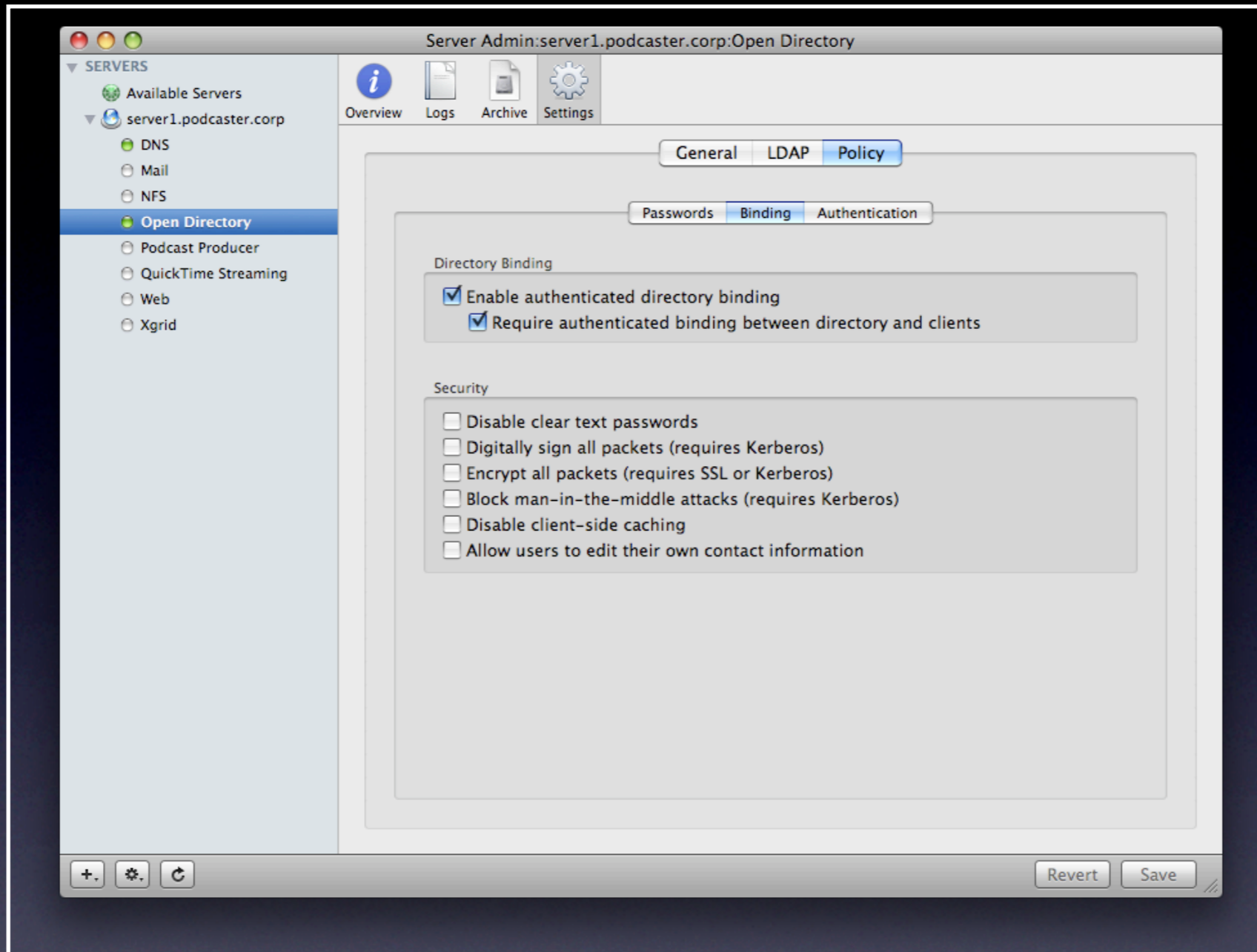
Open Directory Master

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Open Directory Master

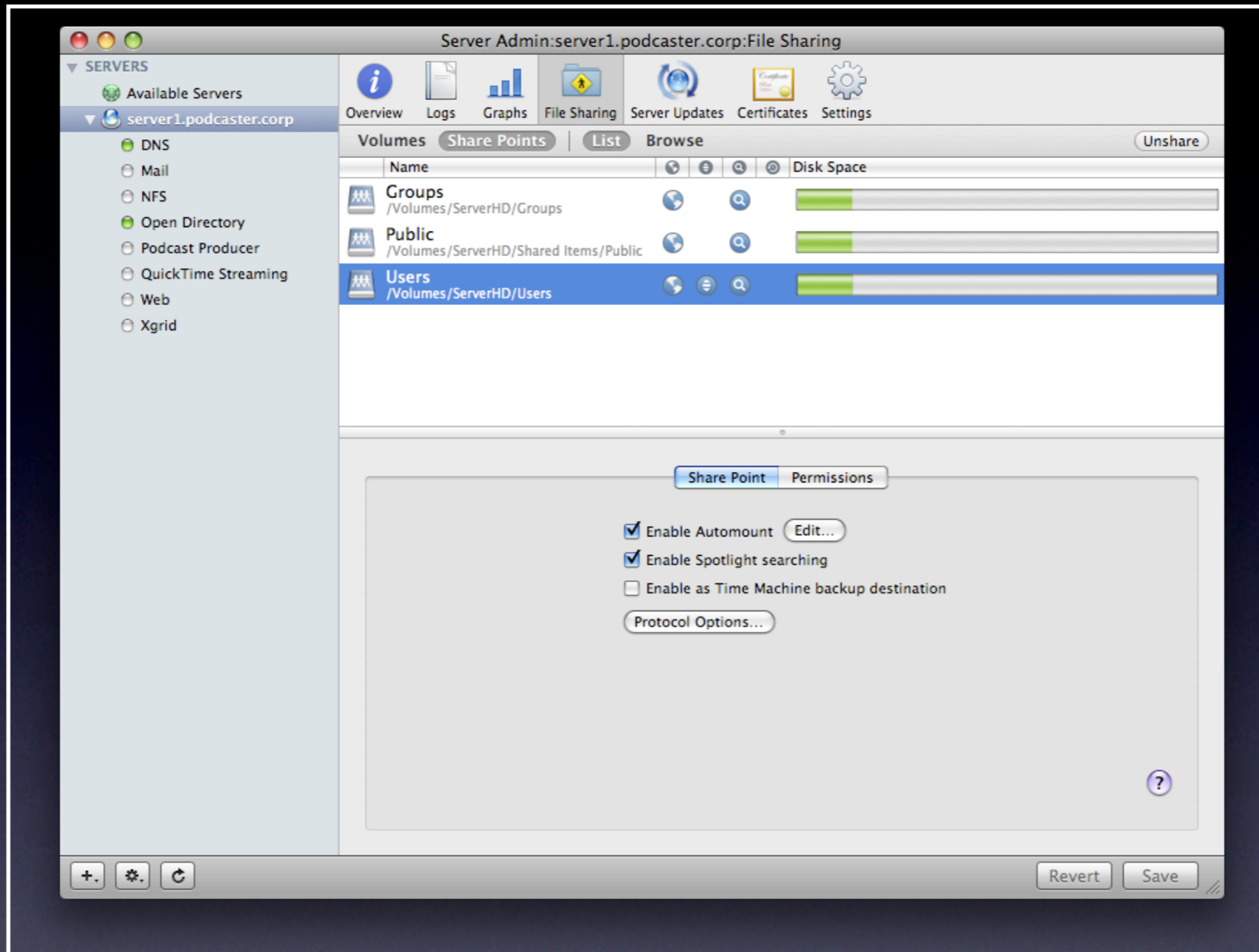
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<http://macpres09.shownets.net>



Open Directory Master

<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

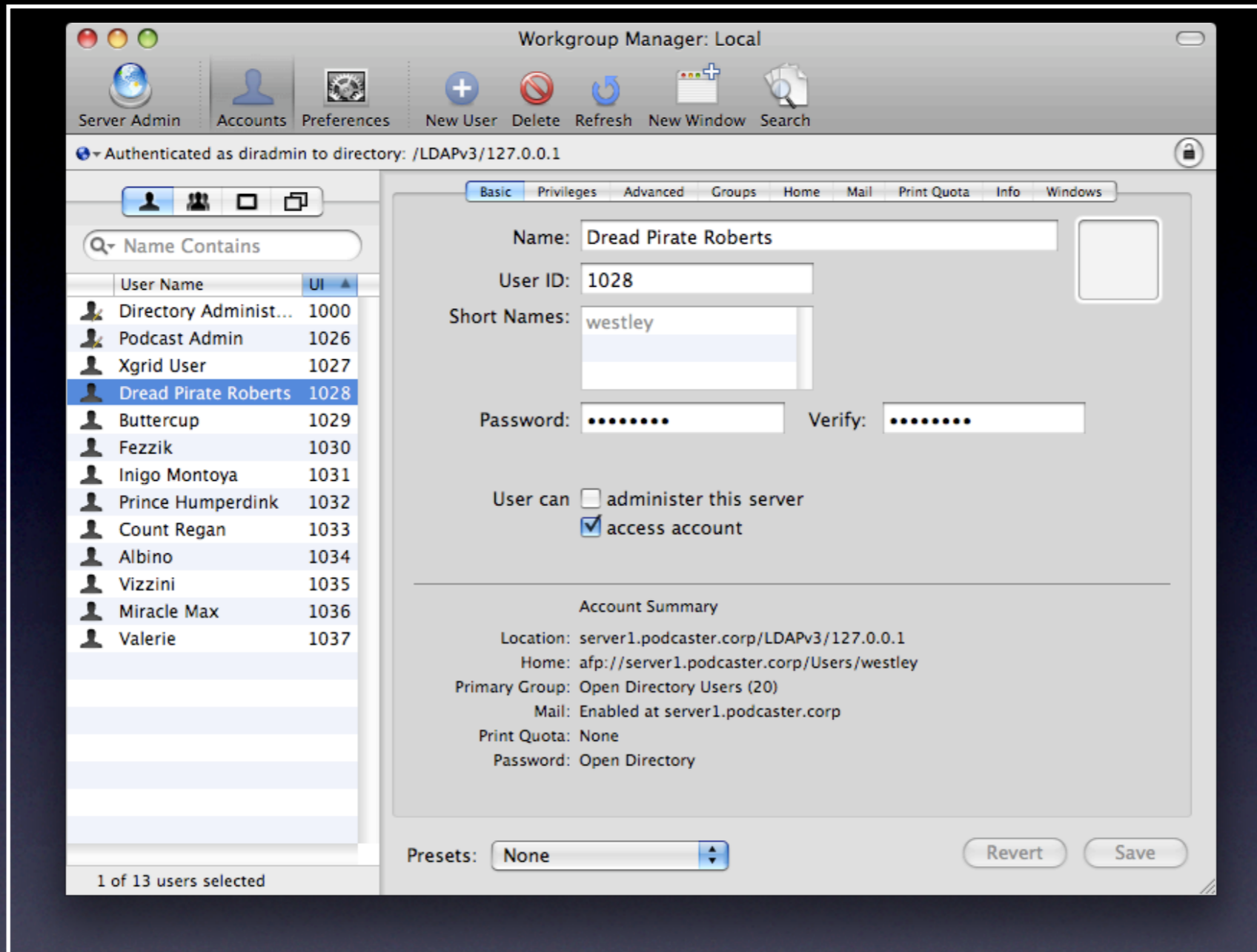
Share Points



Enable Automount

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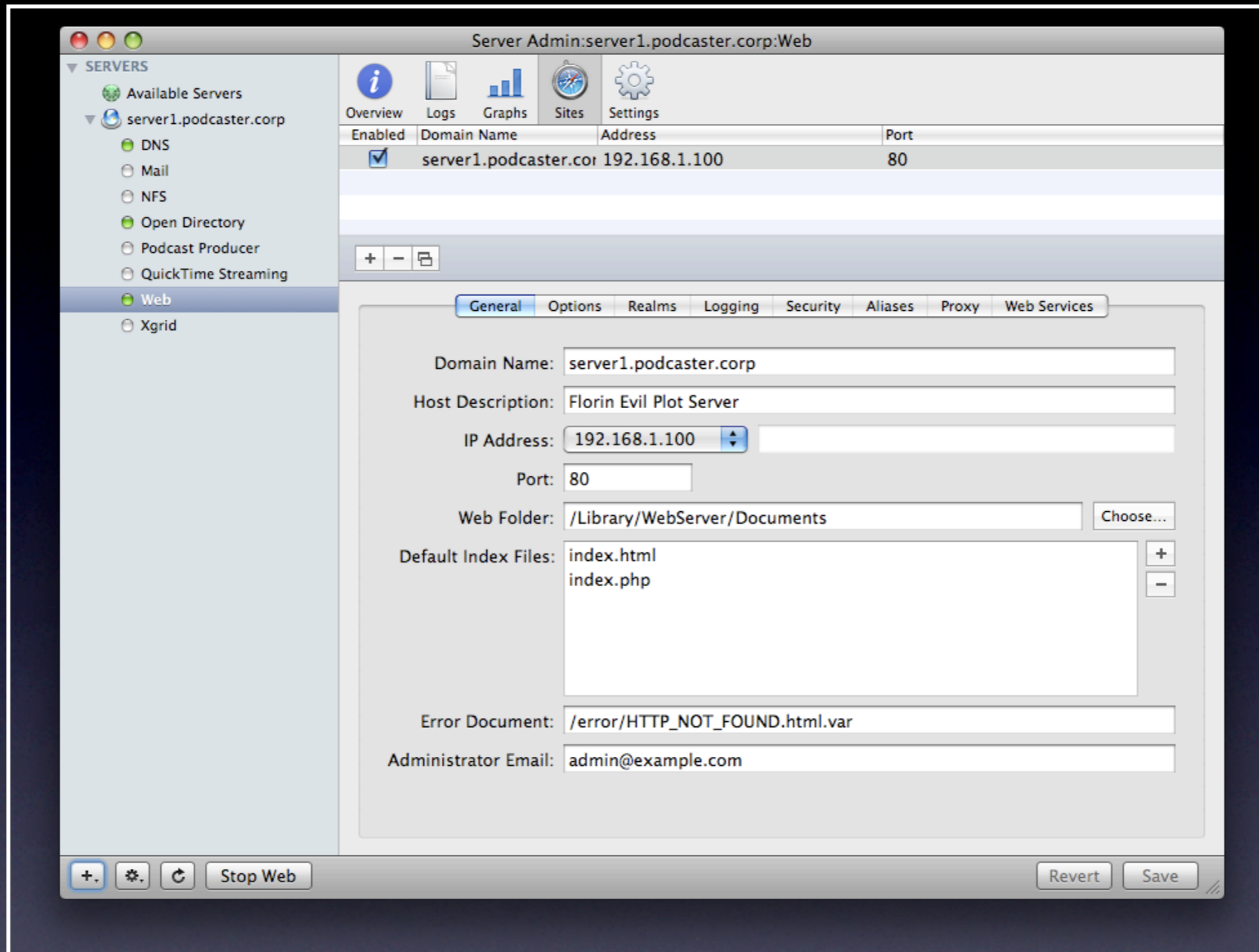
Add Domain Users



Open Directory Master

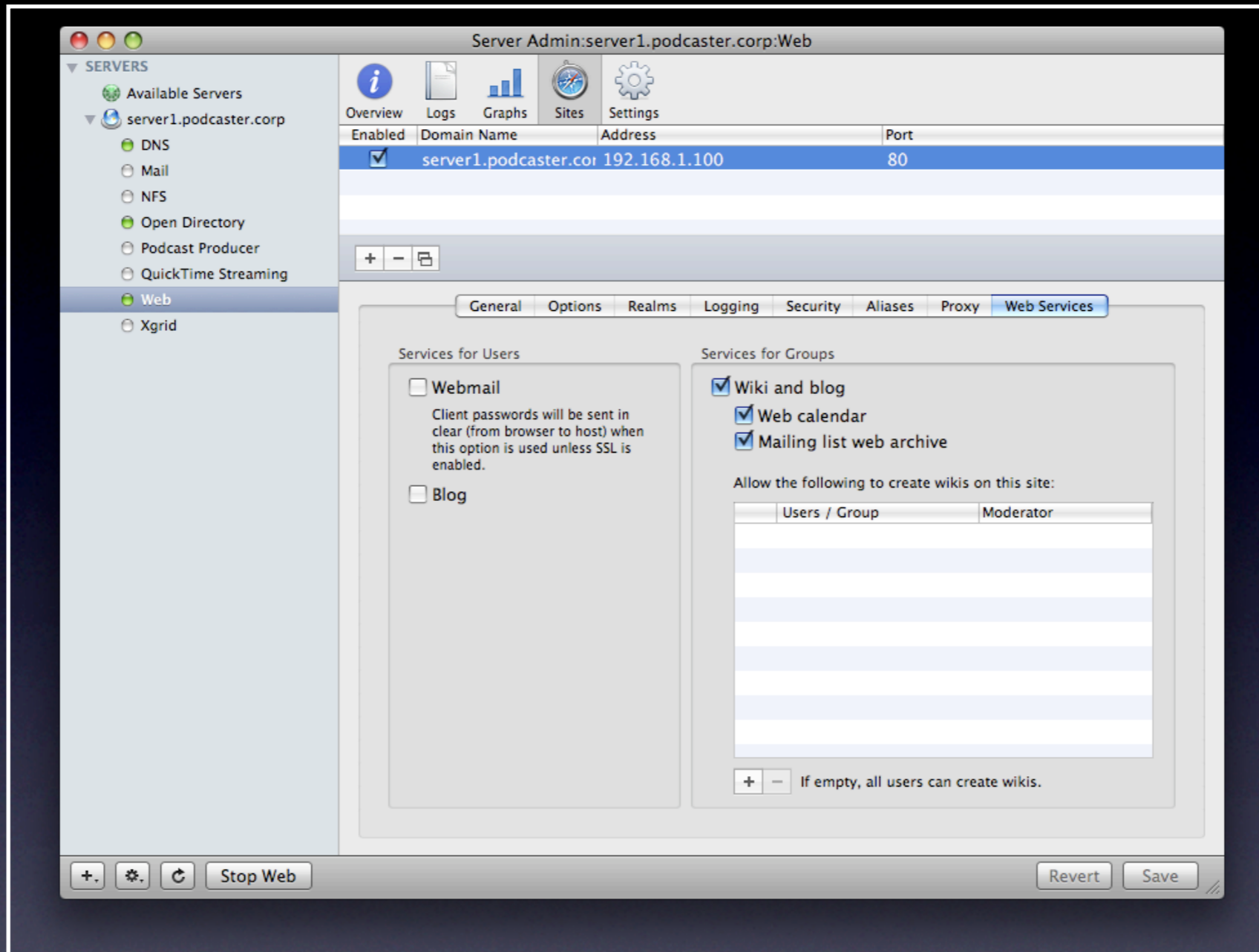
<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

Web



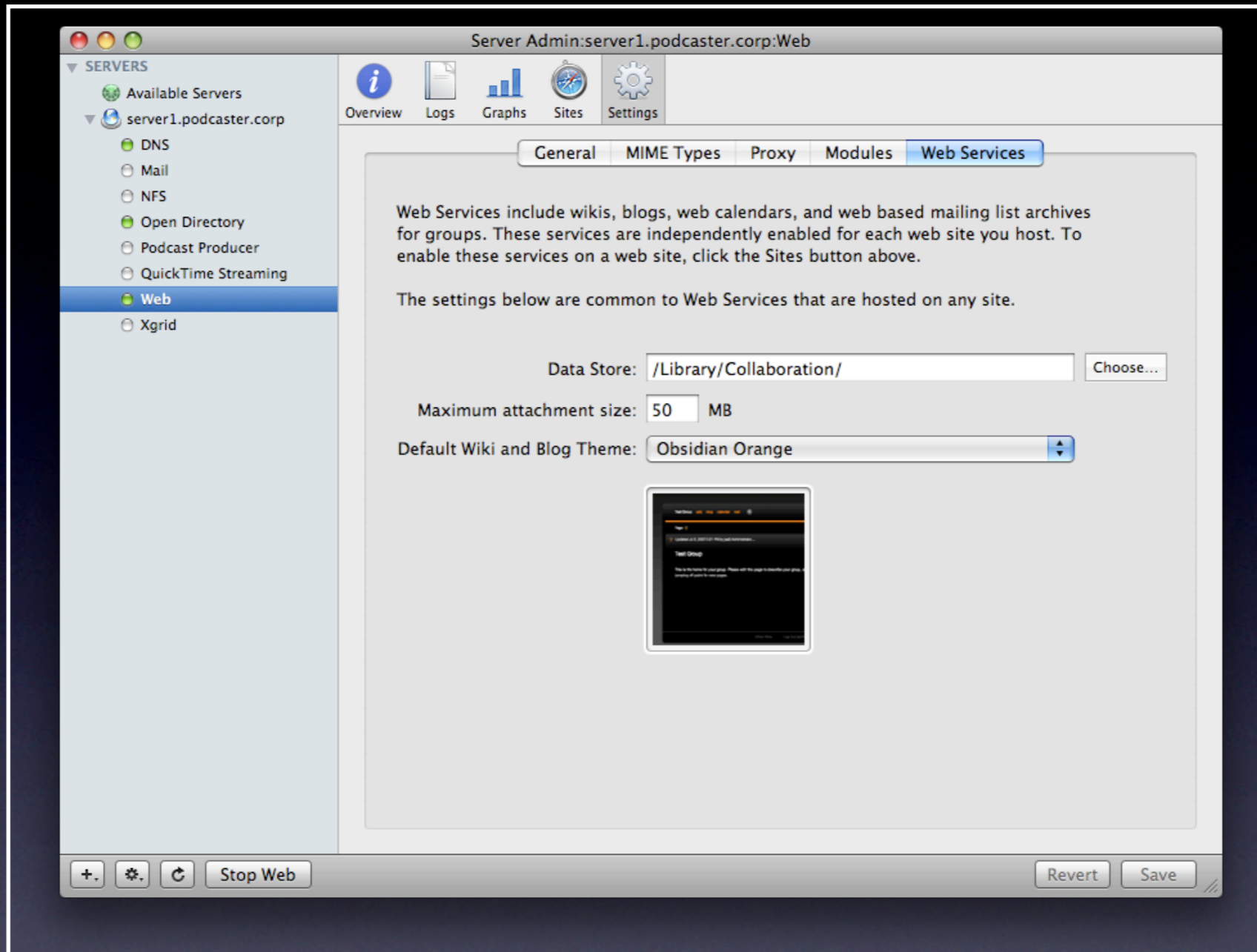
General Settings

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Web Services

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Set Wiki/Blog Theme

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Mail

Configure Mail Service

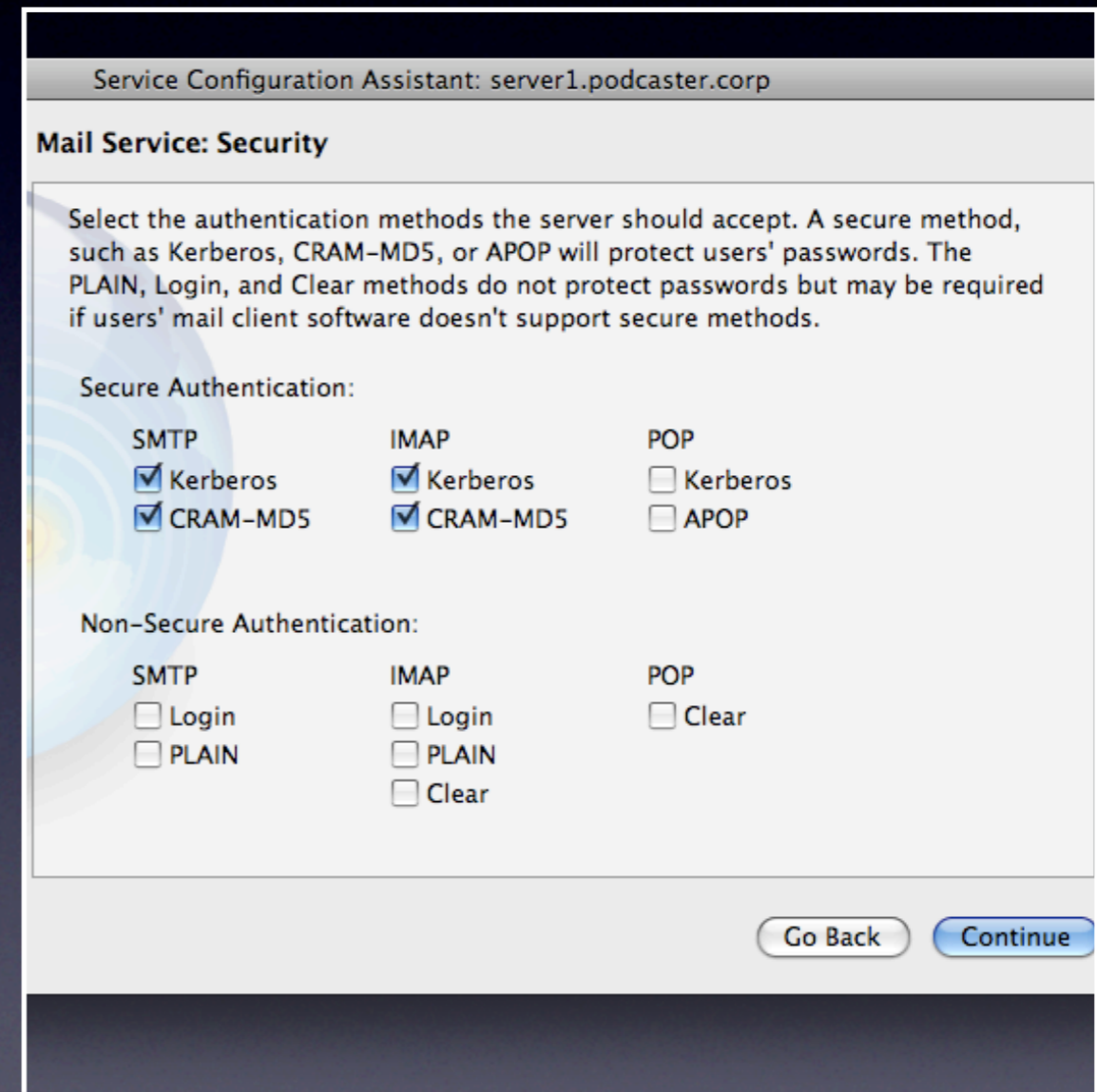
- Enable POP
- Enable IMAP
- Enable SMTP
- Allow incoming mail

The screenshot shows a window titled "Service Configuration Assistant: server1.podcaster.corp". The main heading is "Mail Service: General". Below this, there is a paragraph of instructions: "Select the mail transfer protocols that you want this server to support. You can choose POP and IMAP to allow clients to receive mail. SMTP will allow clients to send mail over your network or across the Internet. If you want clients to receive mail from other computers or the Internet, turn on Allow Incoming Mail and enter the domain and host names for this server." Below the instructions are several checkboxes: "Enable POP" (checked), "Enable IMAP" (checked), "Enable SMTP" (checked), and "Allow incoming mail" (checked). There are also two unchecked checkboxes: "Hold outgoing mail" and "Relay outgoing mail through host:". The "Relay outgoing mail through host:" checkbox is followed by a text input field containing "relay.example.com". Below the checkboxes are two text input fields: "Domain name:" with "podcaster.corp" and "Host name:" with "server1.podcaster.corp". Below the "Domain name:" field is the instruction "Enter the local Internet domain name." and below the "Host name:" field is "Enter the Internet host name of this mail system." At the bottom right of the window are two buttons: "Go Back" and "Continue".

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Configure Mail Service

- SMTP
 - Kerberos
 - CRAM-MD5
- IMAP
 - Kerberos
 - CRAM-MD5

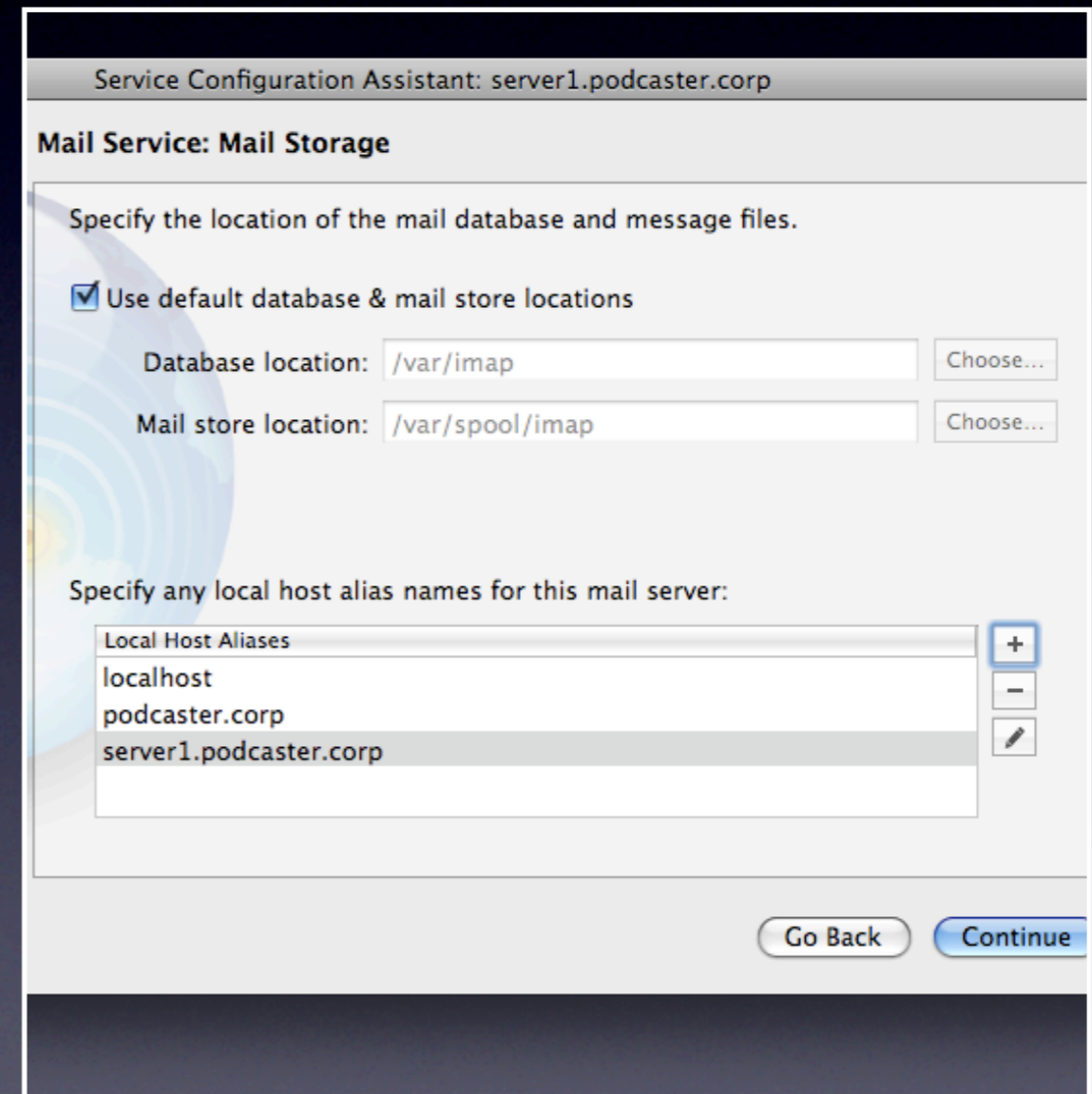


Kerberos and CRAM-MD5 now available as of 10.5.6. See <http://support.apple.com/kb/HT3192>

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Configure Mail Service

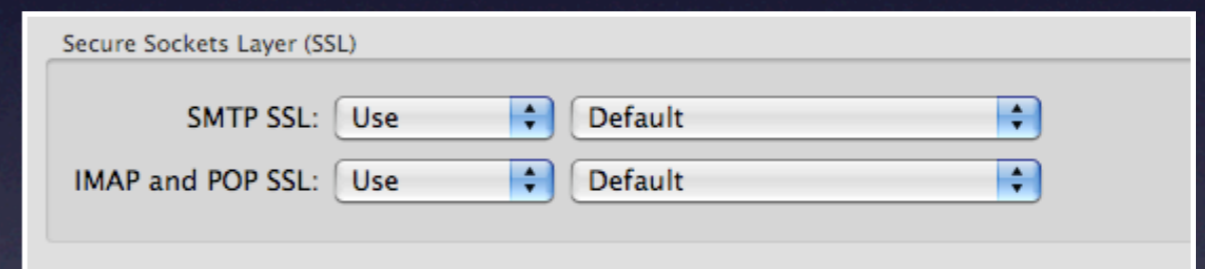
- Host Aliases
- podcaster.corp
- server1.podcaster.corp



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Final Mail Settings

- Mailing Lists; Enable group lists
- Advanced; Use Default cert for SMTP & IMAP/POP SSL



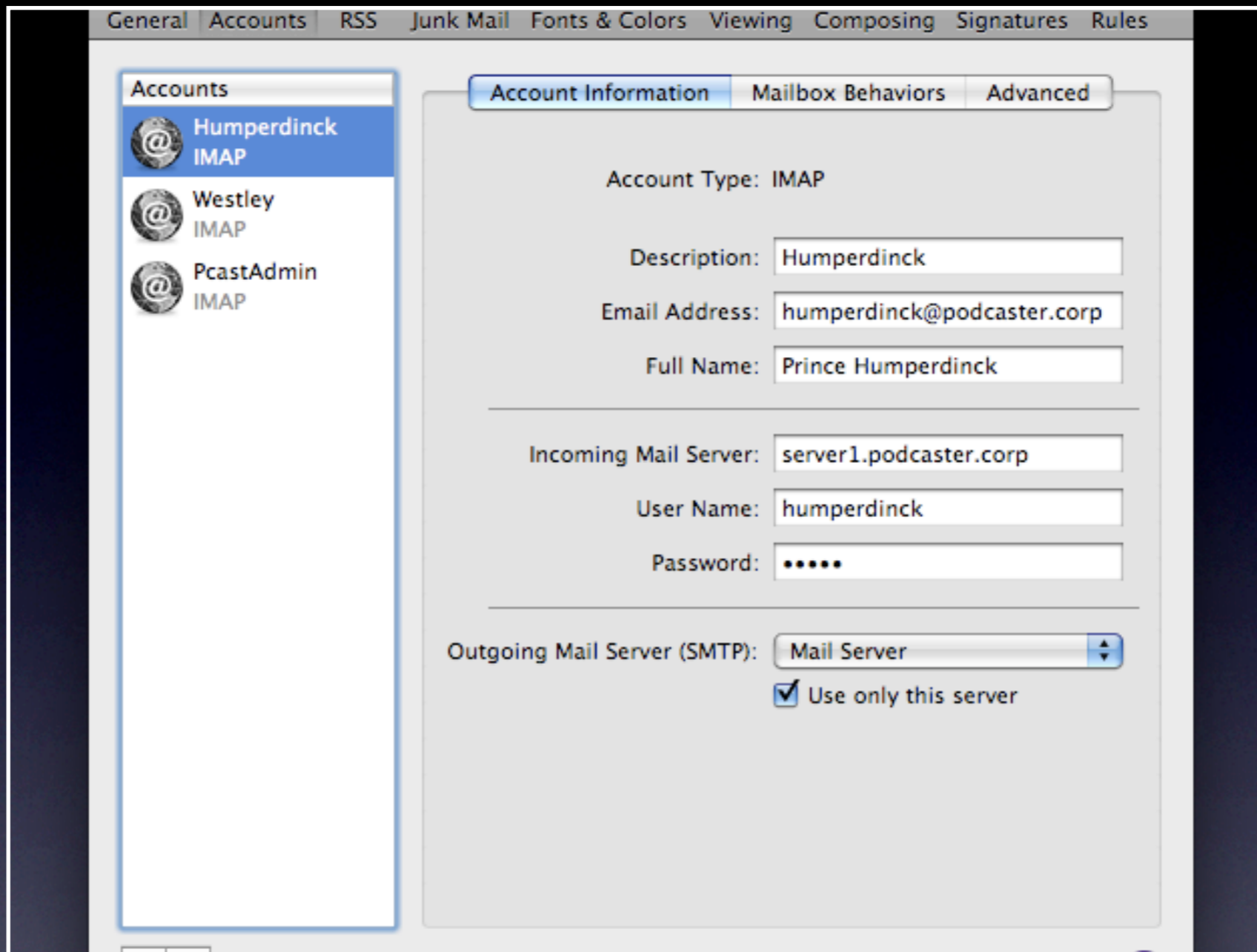
<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

Client Mail Setup

Client Email Setup

- Prince Humperdinck
 - humperdinck@podcaster.corp
- Dread Pirate Roberts
 - westley@podcaster.corp
- Podcast Admin
 - pcastadmin@podcaster.corp

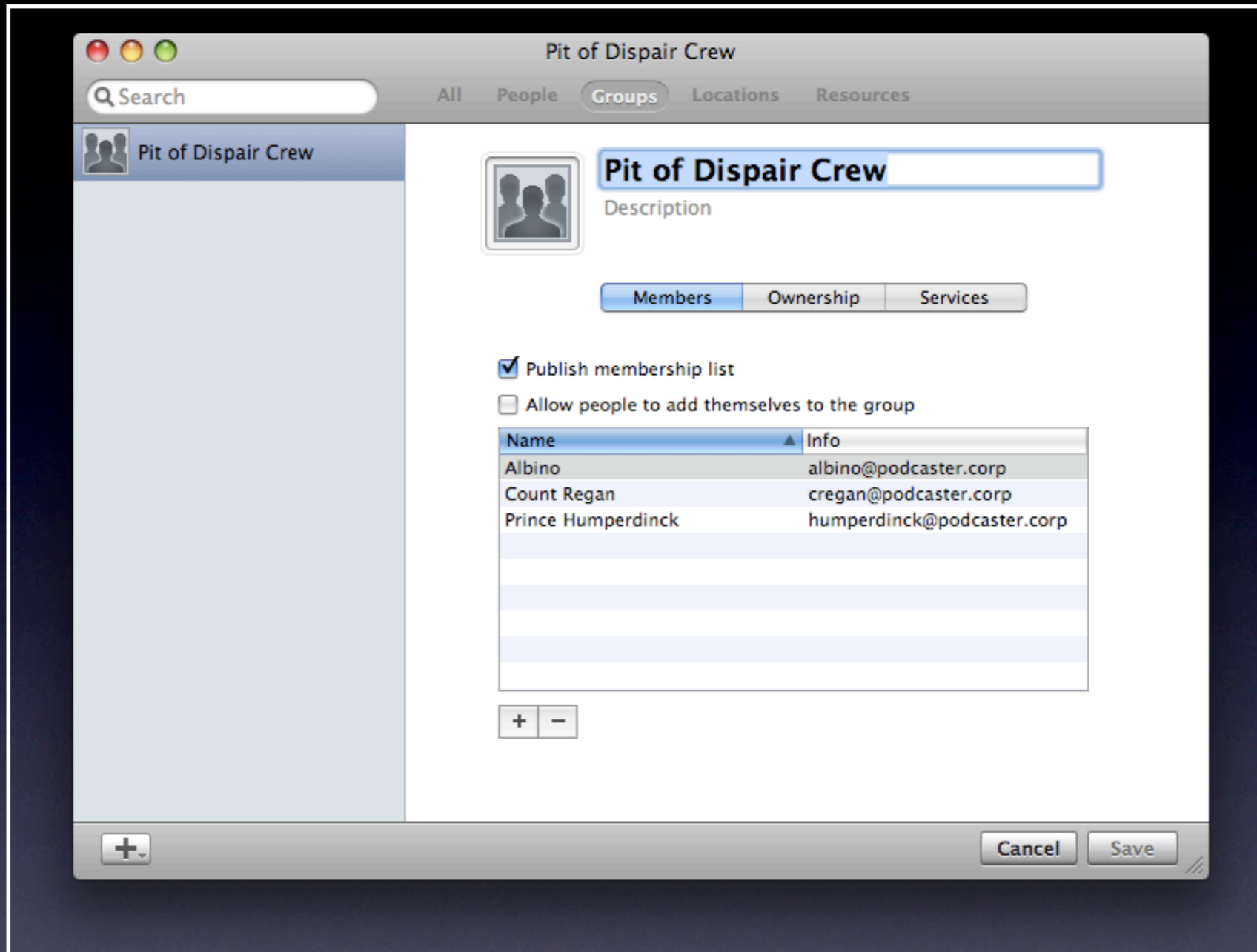
<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>



Mail Accounts

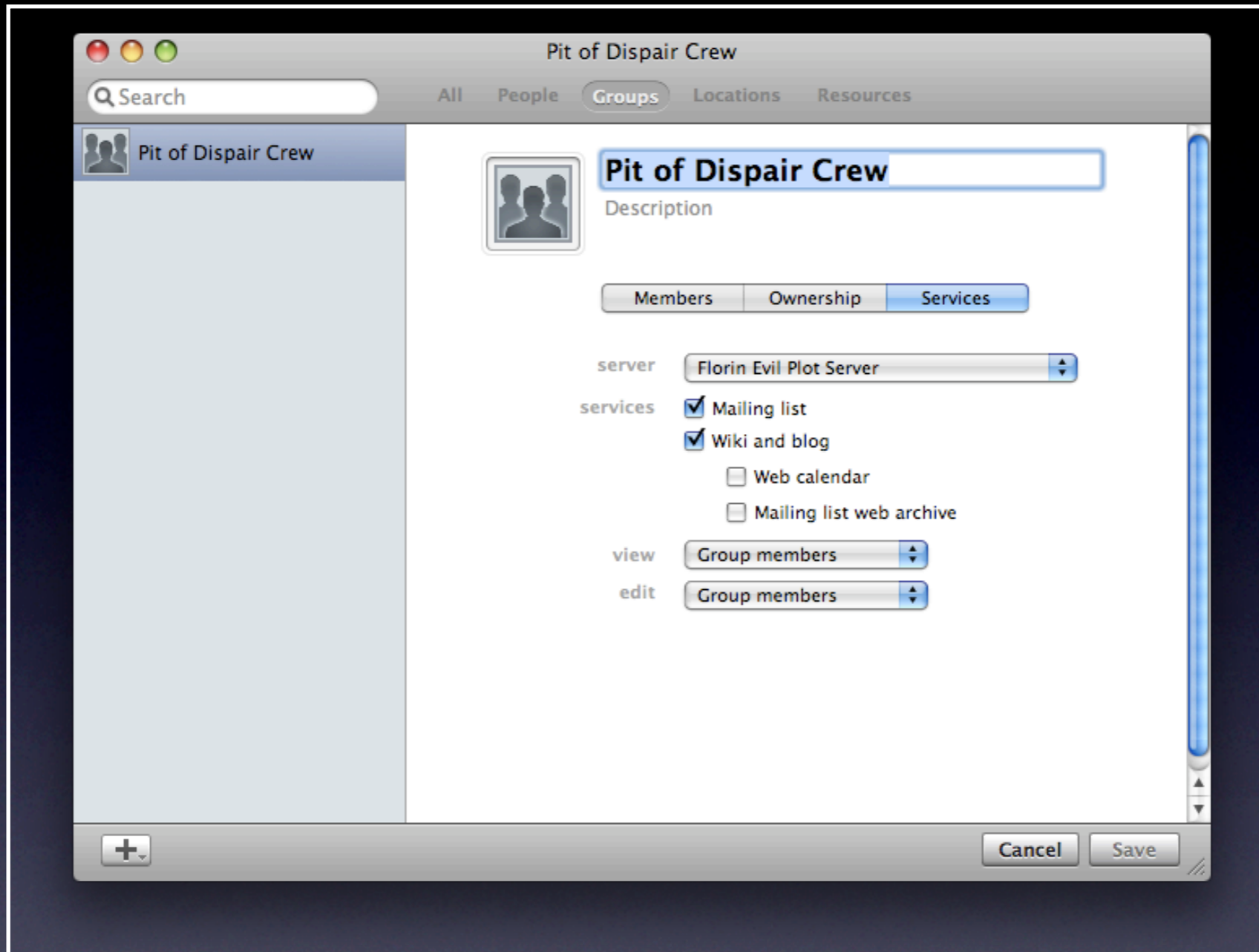
<http://bit.ly/Macworld-IT834>
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Configure Group Blog



Members

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<http://macpres09.shownets.net>



Services

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Podcast

Podcast Blog: Create a podcast for this group's weblog

iTunes Category: Evil Plots

Enable Podcasts

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QuickTime Streaming

`rtsp://server1.podcaster.corp/sample_100kbit.mov`

Xgrid

Configure Xgrid Service

- Host a grid
- Authenticate with Directory Admin
- Verify
 - Xgrid Service is Running
 - Agent is Available
 - Controller is Running

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Xgrid Admin

Enter or choose a controller to add:

server1

Cancel Connect

The controller you have added requires authentication:

Use Single Sign On credentials

Use password: _____

Cancel OK

Authenticate to Kerberos

 Xgrid Admin requires that you type your Kerberos password

Name: xgriduser

Realm: SERVER1.PODCASTER.CORP

Password: ●●●●

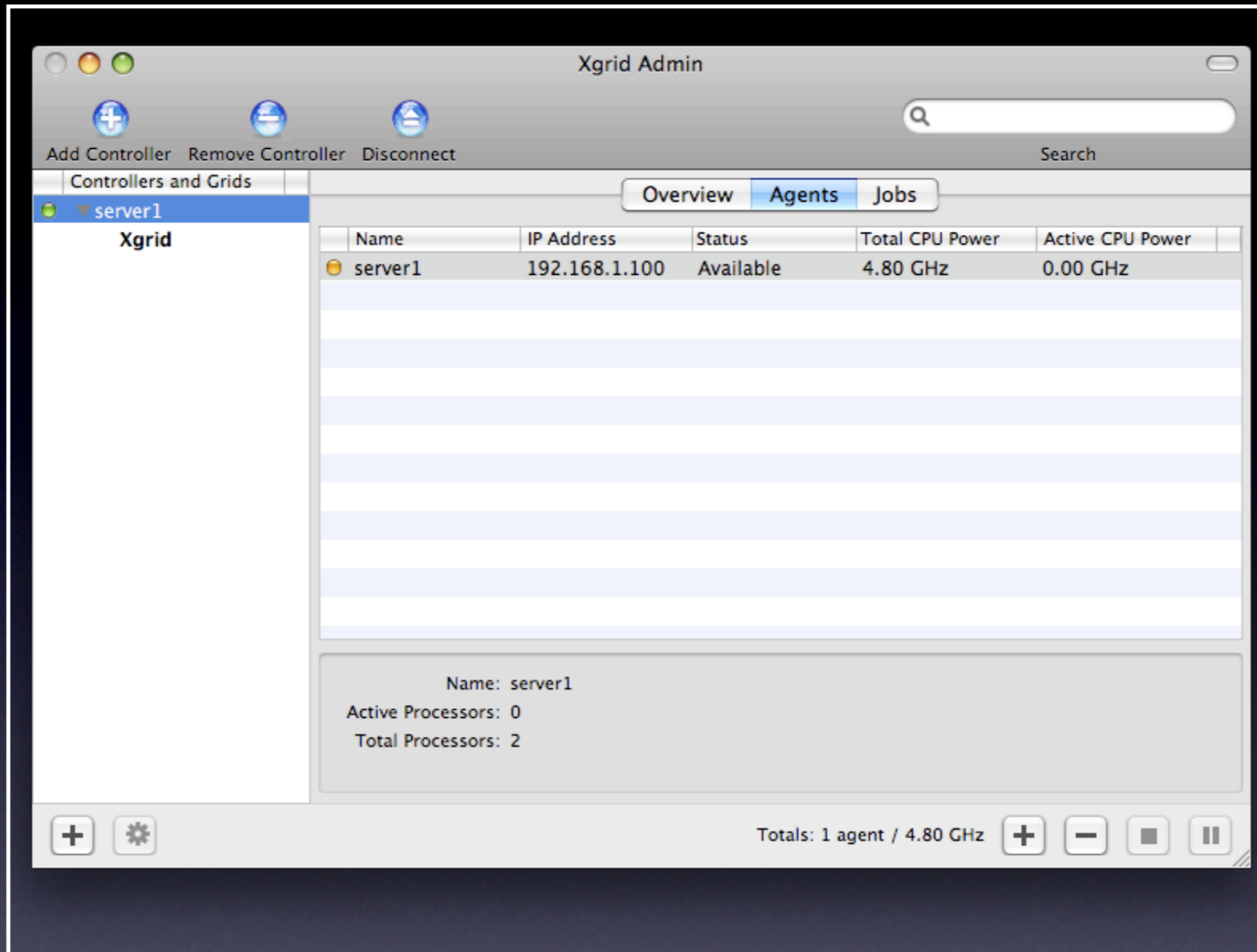
Remember this password in my keychain

Cancel OK



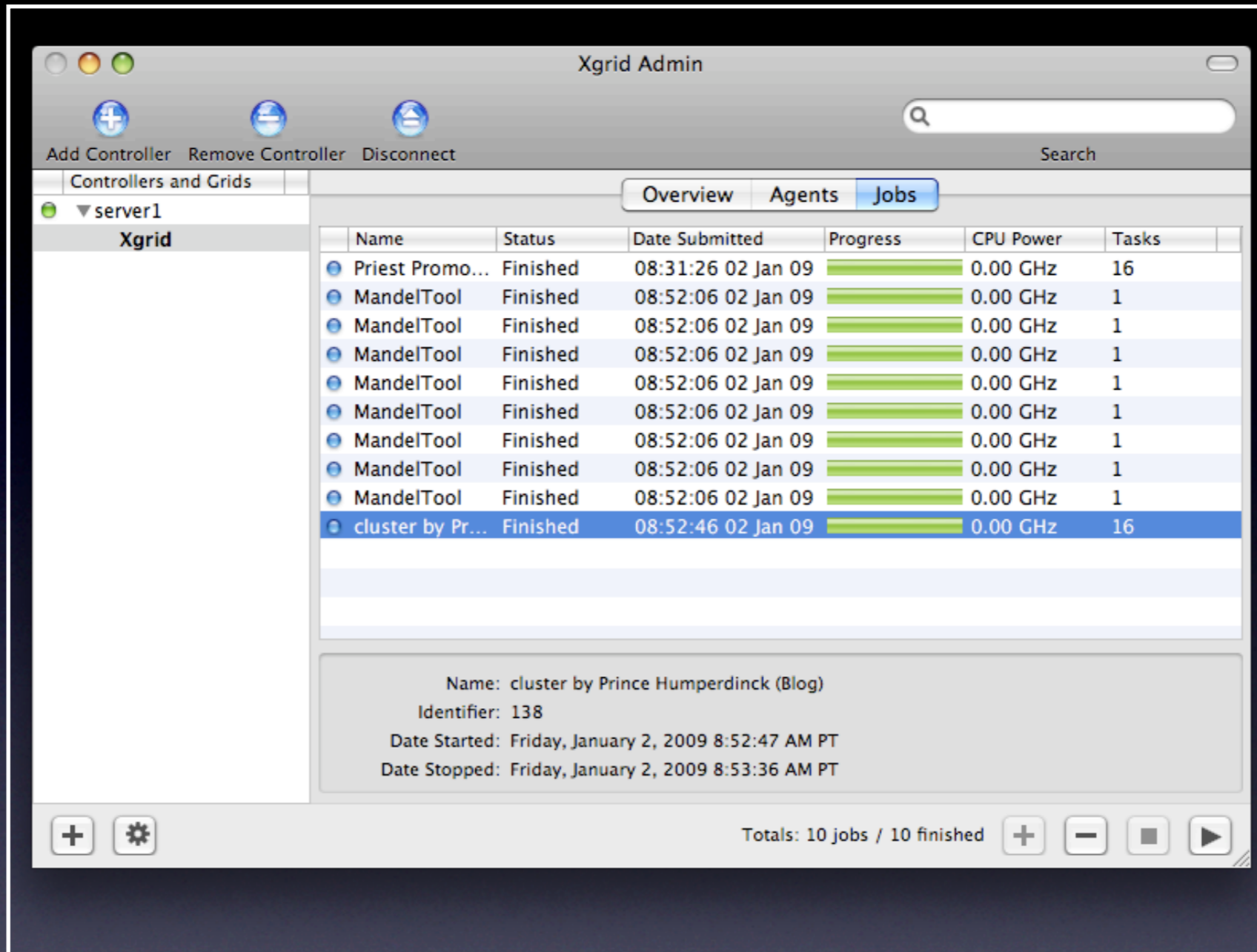
Xgrid Admin Overview

<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>



Xgrid Admin Agents

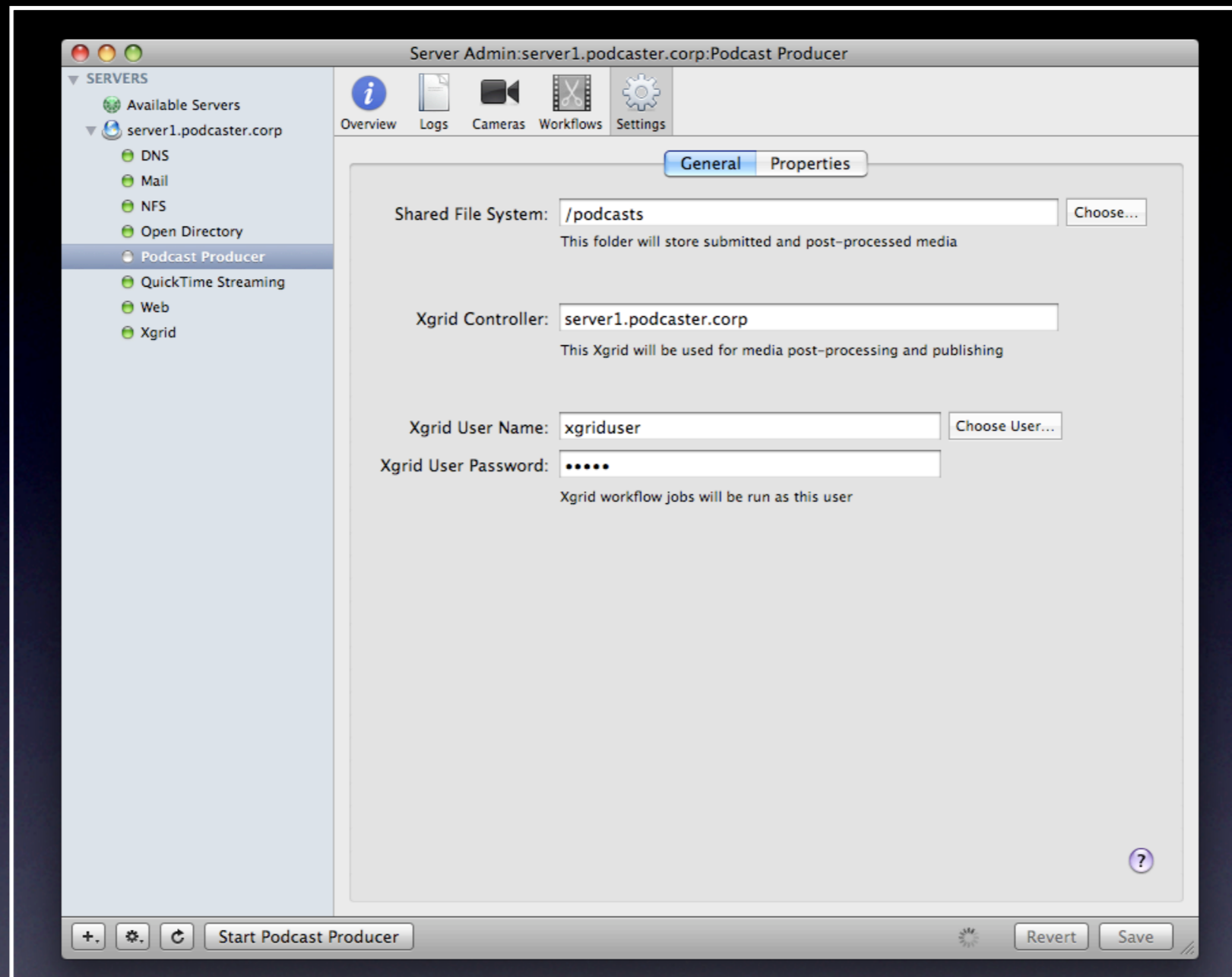
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Xgrid Admin Jobs

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Podcast Producer



PCP General

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PCP Properties

- Admin Short Name: pcastadmin
- Approval Email: pcastadmin@podcaster.corp
- Audience Email: pitofdispaircrew@podcaster.corp
- Copyright to Prince Humperdinck
- Group Short Name: pitofdispaircrew
- Group Admin Username/Password for pcastadmin
- Organization: Florin

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Name	Value	Encrypted
▼ Default Properties		
Administrator Short Name	pcastadmin	<input type="checkbox"/>
Approval Email List	pcastadmin@podcaster.corp	<input type="checkbox"/>
Approval Folder	<Shared File System> /Approval/	<input type="checkbox"/>
Archive Root	<Shared File System> /Archive	<input type="checkbox"/>
Audience Email List	pitofdispair@podcaster.corp	<input type="checkbox"/>
Audience SMS List	sms-audience@example.com	<input type="checkbox"/>
Copyright	Copyright (c) 2008 Prince Humperdinck	<input type="checkbox"/>
Exit Transition Duration	0.75	<input type="checkbox"/>
Exit Video Path	<Shared File System> /Caches/Resources/Movies/Exit.mov	<input type="checkbox"/>
Group Short Name	potofdispair	<input type="checkbox"/>
Groups Administrator Pa...	●●●●●●●●	<input checked="" type="checkbox"/>
Groups Administrator Us...	pcastadmin	<input type="checkbox"/>
Groups Web Server URL	http://<Server Hostname> /groups	<input type="checkbox"/>
Intro Transition Duration	3	<input type="checkbox"/>
Introduction Video Path	<Shared File System> /Caches/Resources/Movies/Introduction.mov	<input type="checkbox"/>
Notification Language	English	<input type="checkbox"/>
Organization	Florin	<input type="checkbox"/>
Postflight Script Path	<Shared File System> /Caches/Resources/Tools/postflight_script	<input type="checkbox"/>

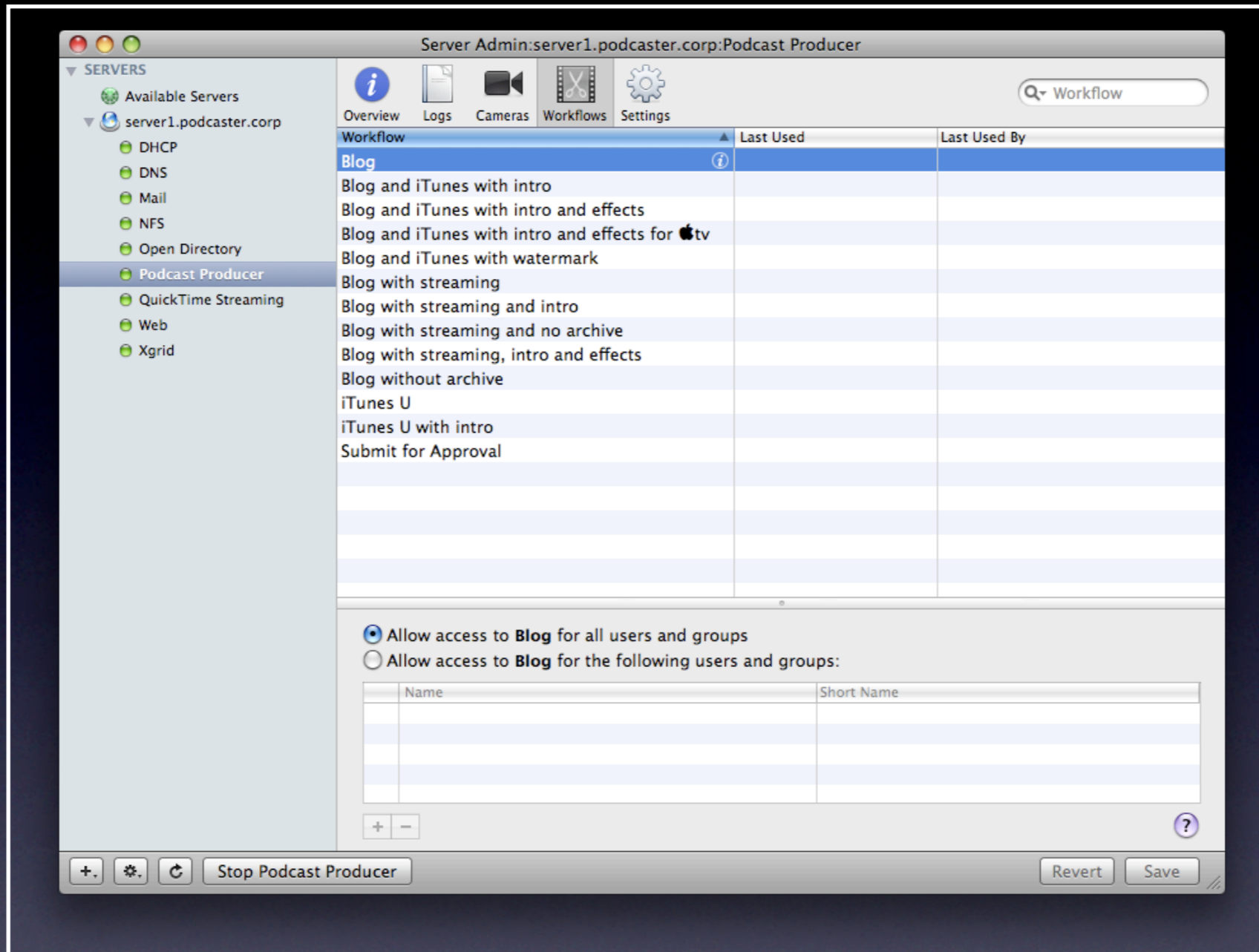
PCP Properties

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PCP Workflows

- Blog
- Blog with streaming and intro
- Blog with streaming, intro, and effects

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Sample Podcasts

- Video: Blog with Streaming, Intro & Effects
- Screencast: Blog
- File Submission: Blog with Streaming & Intro

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Advanced PCP

Perform in Real Time


Bind remote iSight

- On the client, Start a new Podcast
- Podcast Capture Menu > “Local Camera Settings...”
- Unlock & Authenticate with Local Admin
- Add Camera name & server info

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<http://macpres09.shownets.net>

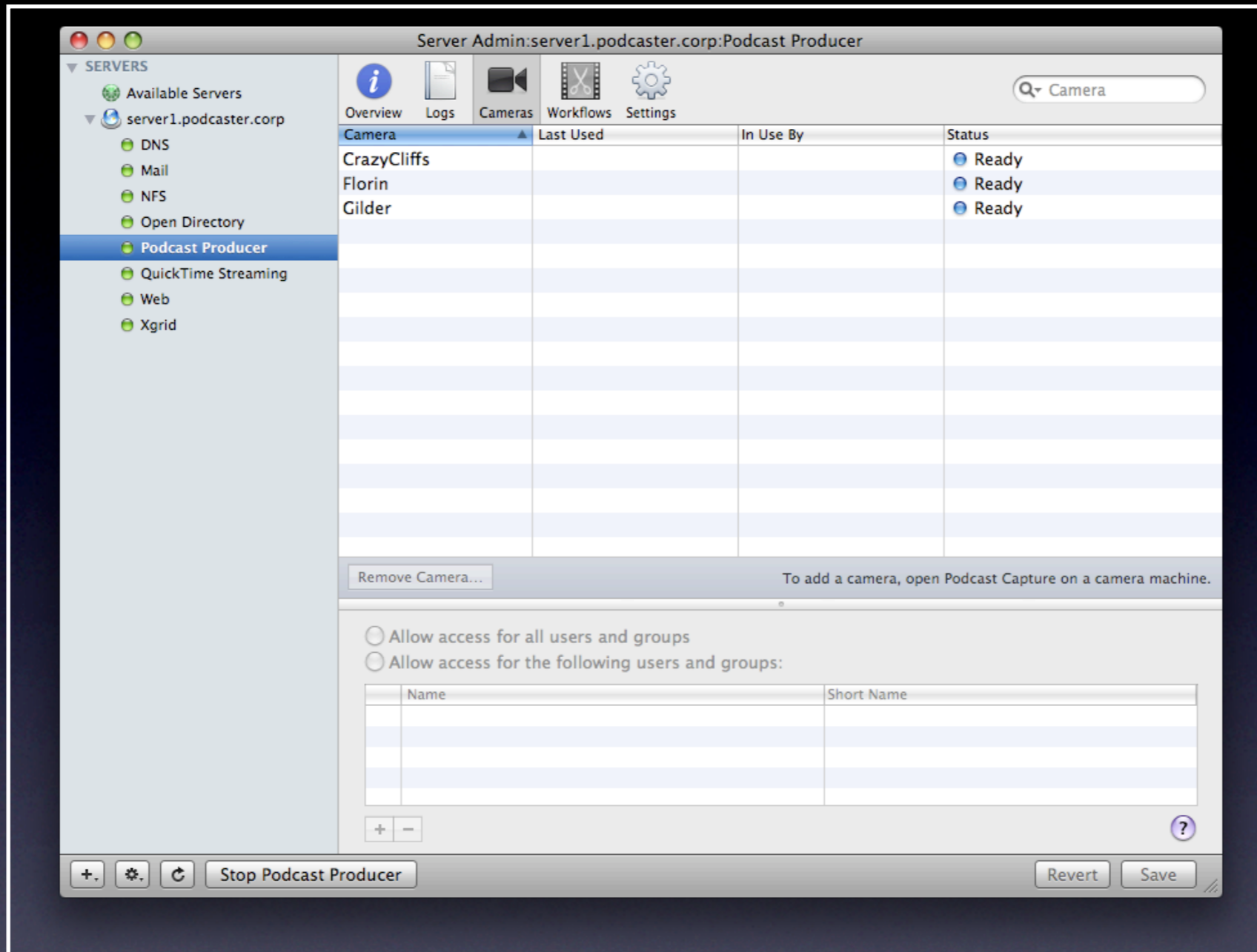
Camera Name:

Server:

 Click the lock to prevent further changes.

Client Settings

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Server Verification

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Podcast via Terminal

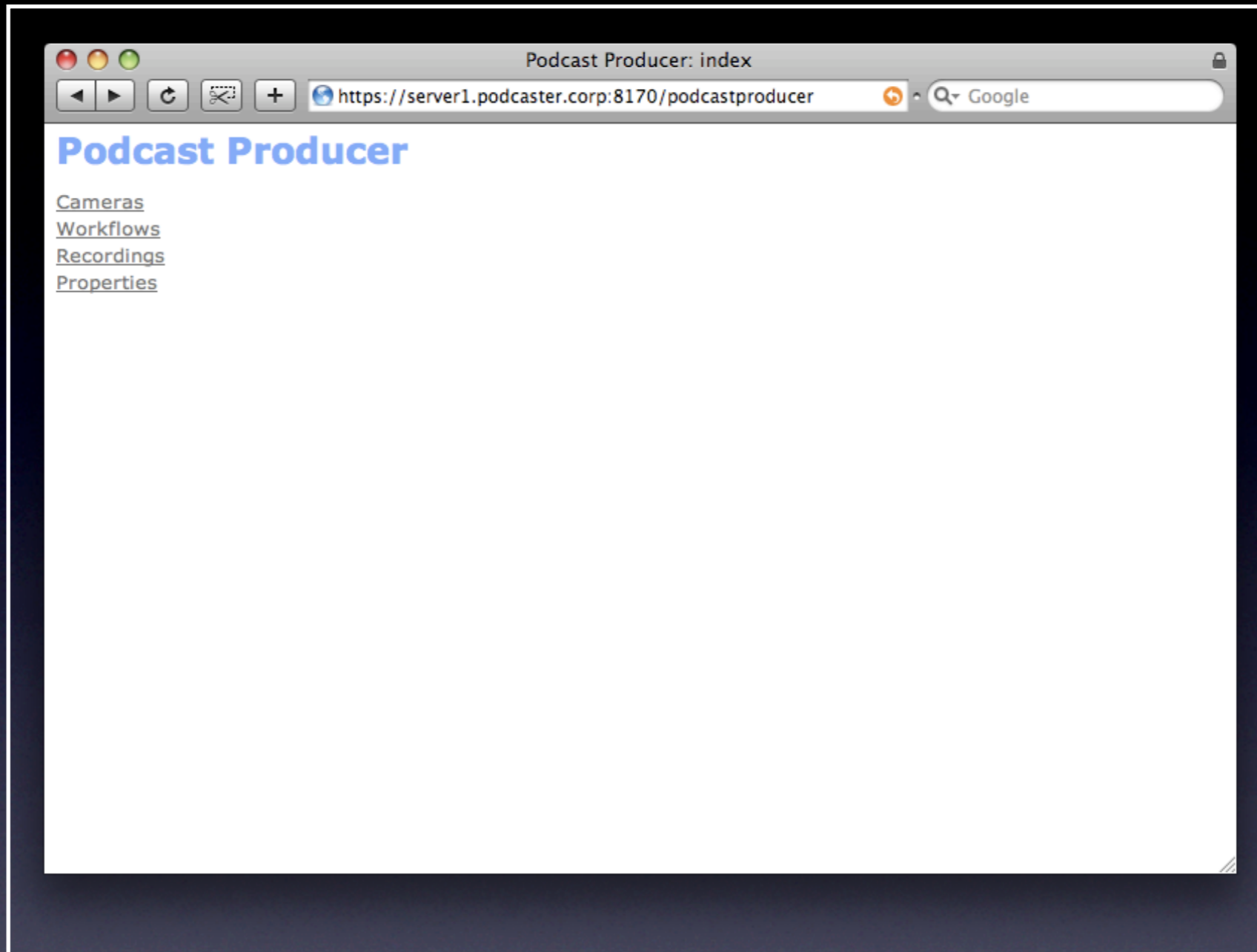
- List available Cameras
- List available Workflows
- Capture with podcast command
- Submit with podcast command
- Create PCPmetadata.plist file for title and description

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Podcast via Safari

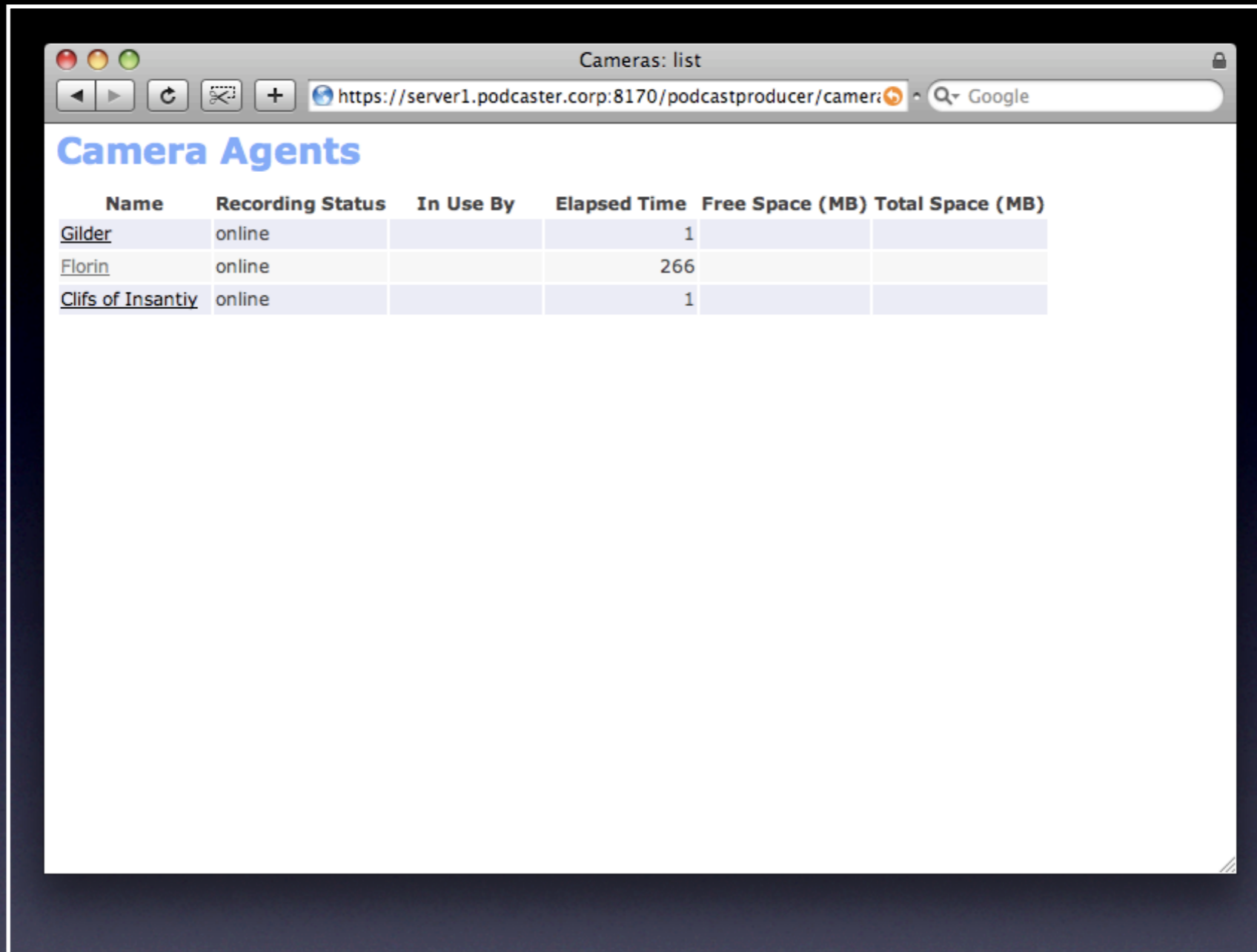
- [https://server1.podcaster.corp:8170/
podcastproducer](https://server1.podcaster.corp:8170/podcastproducer)
 - Main Index
 - Cameras
 - Workflows
 - Recordings
 - Properties

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<http://macpres09.shownets.net>



Podcast Producer Web

<http://bit.ly/Macworld-IT834>
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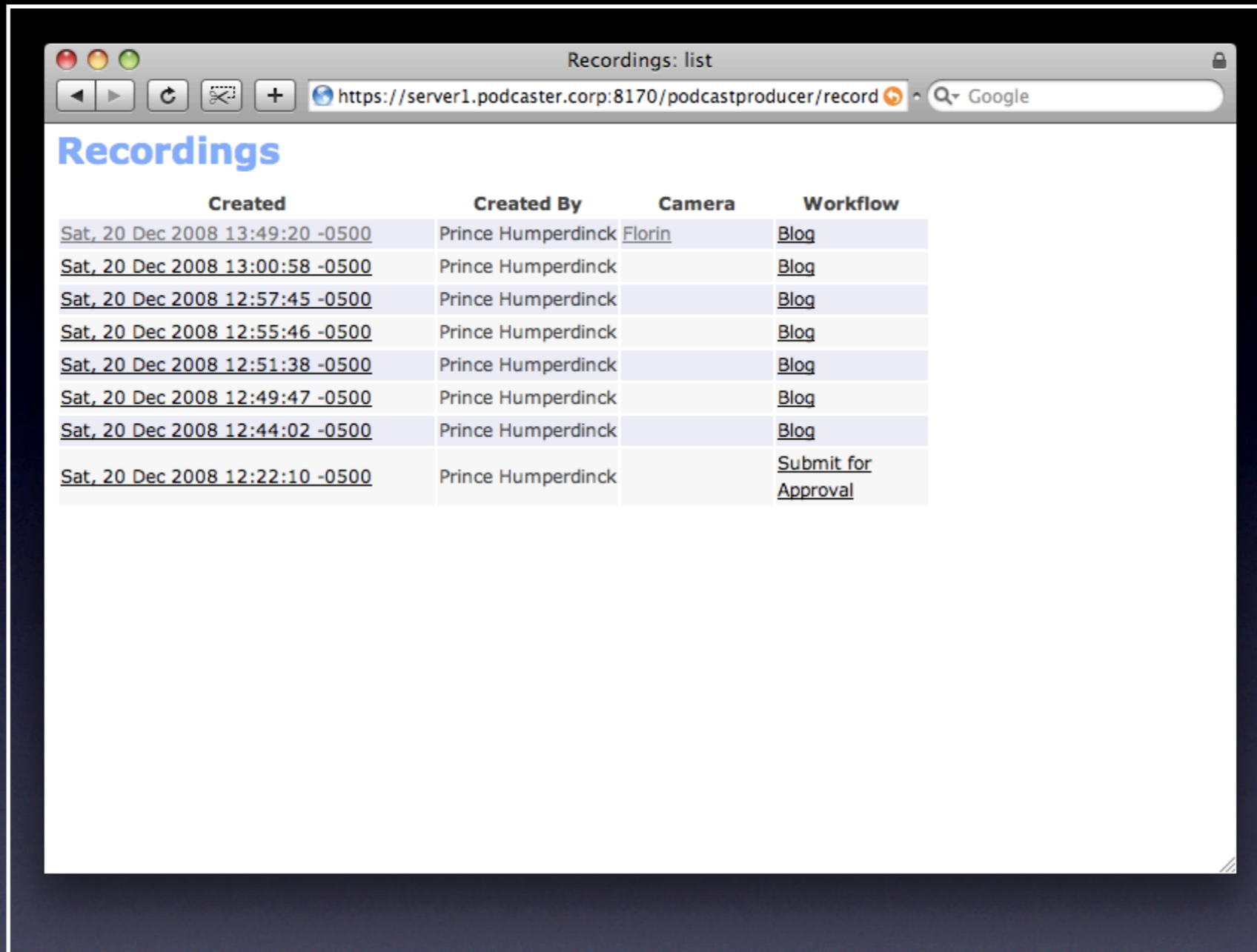
Podcast Producer Web

<http://bit.ly/Macworld-IT834>
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Workflow	Title	Bundle Path	Valid?
Blog and iTunes with intro and effects for Apple TV	Blog and iTunes with intro and effects for Apple TV	/System/Library/PodcastProducer/Workflows/Blog and iTunes with intro and effects for Apple TV.pwf	true
Blog and iTunes with intro and effects	Blog and iTunes with intro and effects	/System/Library/PodcastProducer/Workflows/Blog and iTunes with intro and effects.pwf	true
Blog and iTunes with intro	Blog and iTunes with intro	/System/Library/PodcastProducer/Workflows/Blog and iTunes with intro.pwf	true
Blog and iTunes with watermark	Blog and iTunes with watermark	/System/Library/PodcastProducer/Workflows/Blog and iTunes with watermark.pwf	true
Blog with streaming and intro	Blog with streaming and intro	/System/Library/PodcastProducer/Workflows/Blog with streaming and intro.pwf	true
Blog with streaming and no archive	Blog with streaming and no archive	/System/Library/PodcastProducer/Workflows/Blog with streaming and no archive.pwf	true
Blog with streaming, intro and effects	Blog with streaming, intro and effects	/System/Library/PodcastProducer/Workflows/Blog with streaming, intro and effects.pwf	true

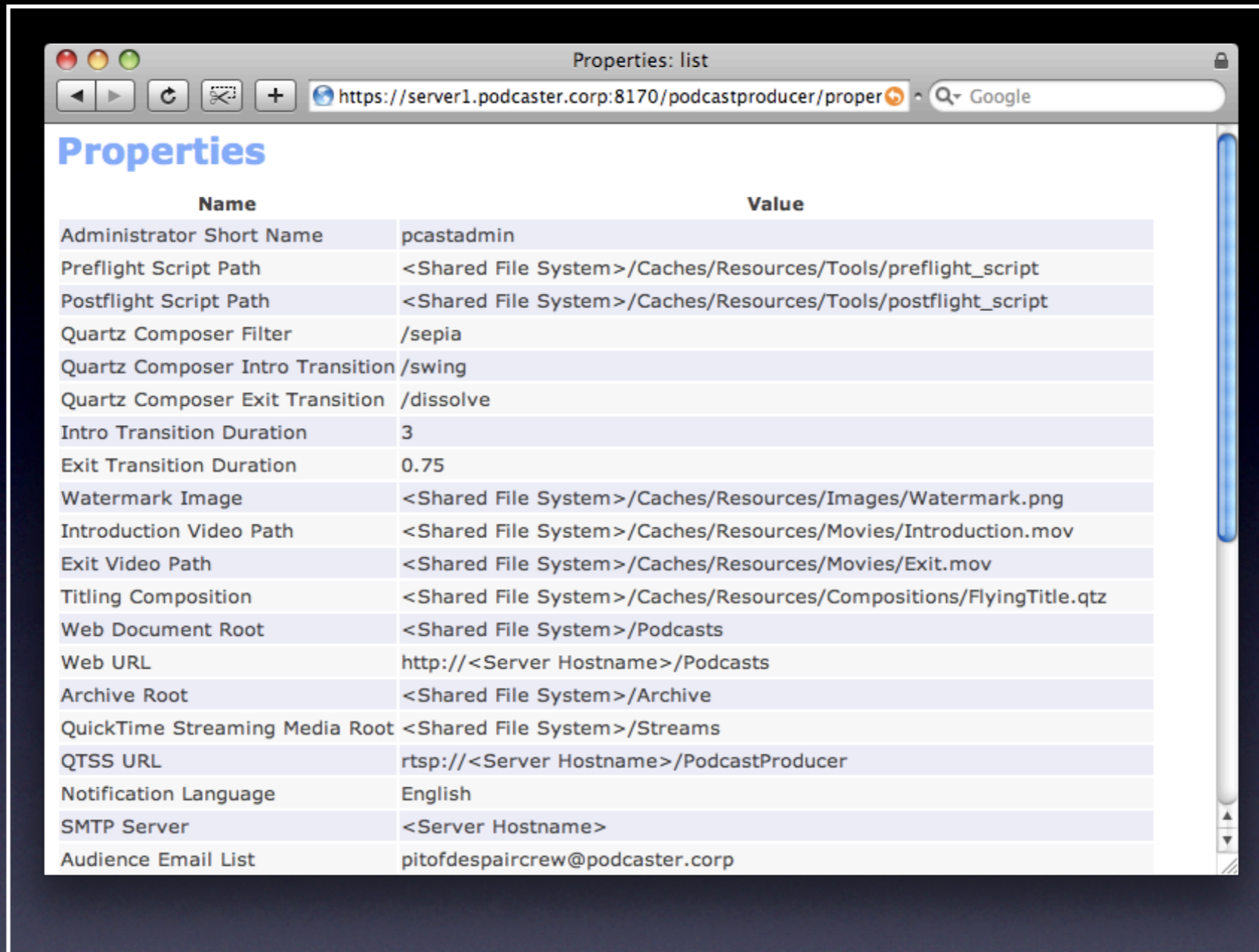
Podcast Producer Web

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Podcast Producer Web

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Podcast Producer Web

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Podcast Clustering

Verify NTP

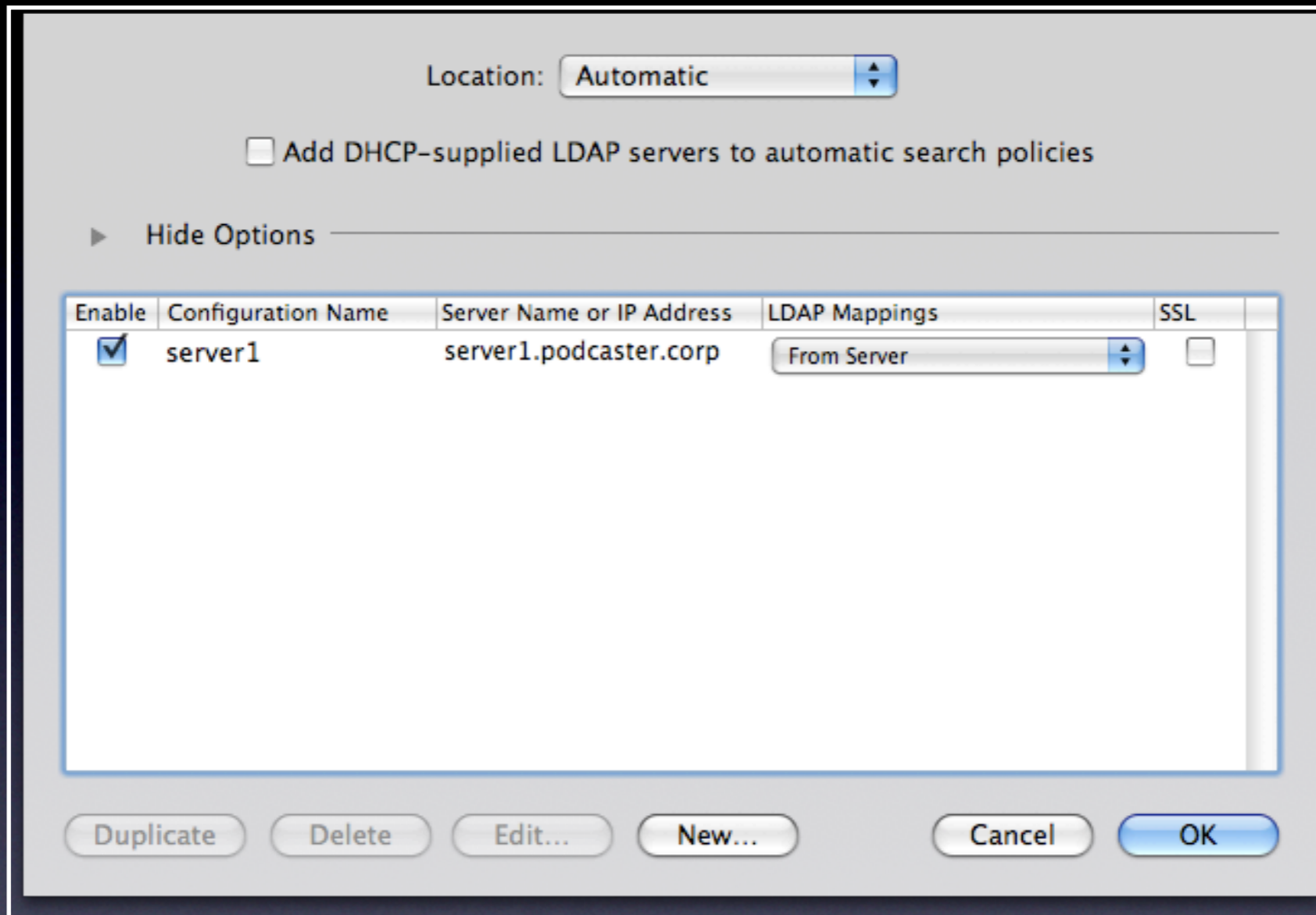
- Server should have NTP enabled
- Set clients to server1.podcaster.corp in “Date & Time” Preference Pane

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Directory Utility

- Open Directory Utility
- Unlock and Authenticate
- Show Advanced Settings
- Select Services, edit LDAPv3
- Click “New...” button
- Add Server Name, ID, Directory Admin info

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LDAPv3 Client

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Xgrid via Kerberos

- For Xgrid to use Kerberos, then:
 - Agents must have the host's user principal in system keytab.
 - Kerberos db on the KDC must contain the agent's principal.
 - Controller's realm must be the default realm on the agent computer.

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Verify KDCs

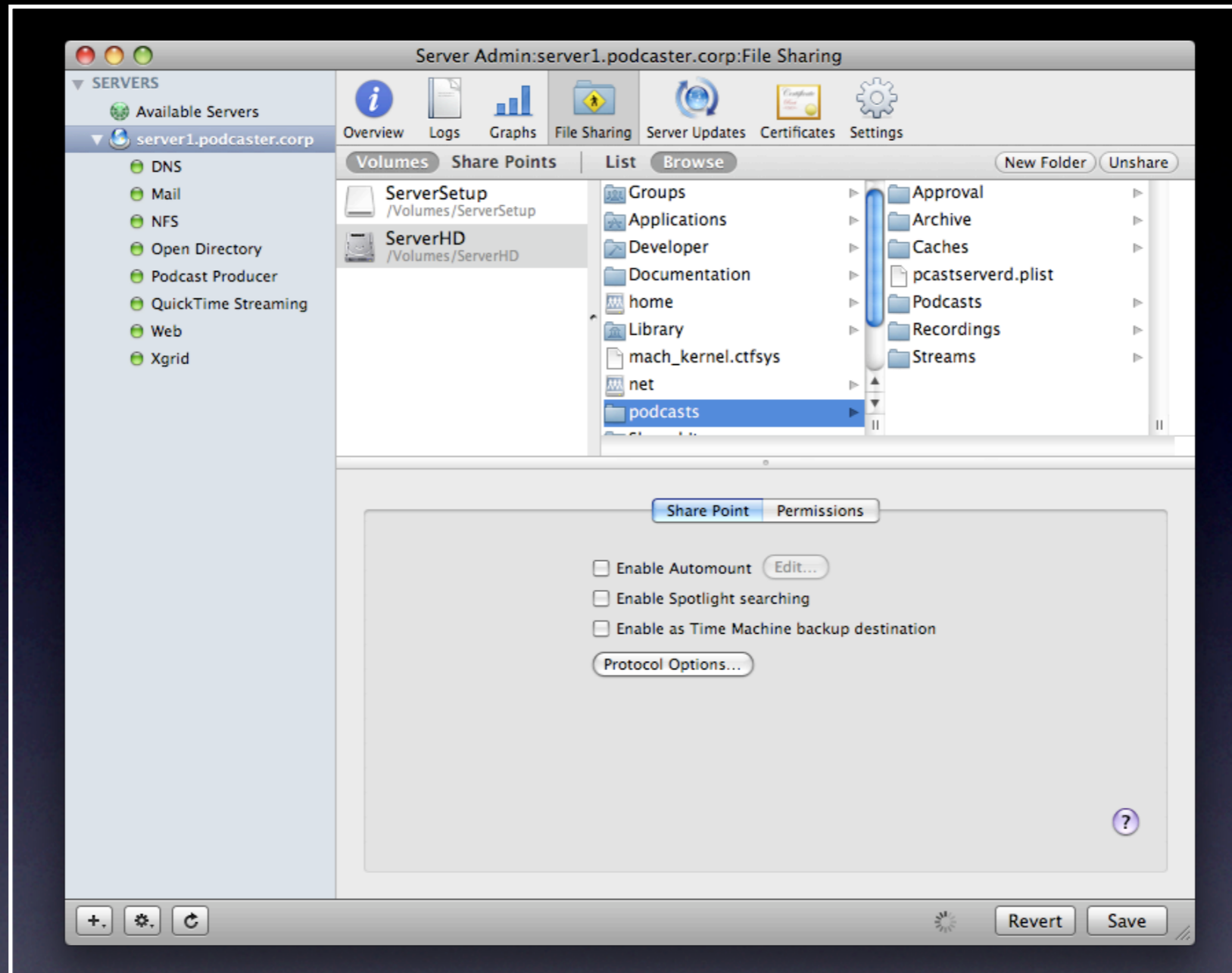
- Client
 - `sudo klist -k | grep crazycliffs`
 - `more /Library/Preferences/edu.mit.Kerberos | grep default_realm`
- Server
 - `sudo kadmind.local -q "get_principal florin\$"`

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Configure Server NFS

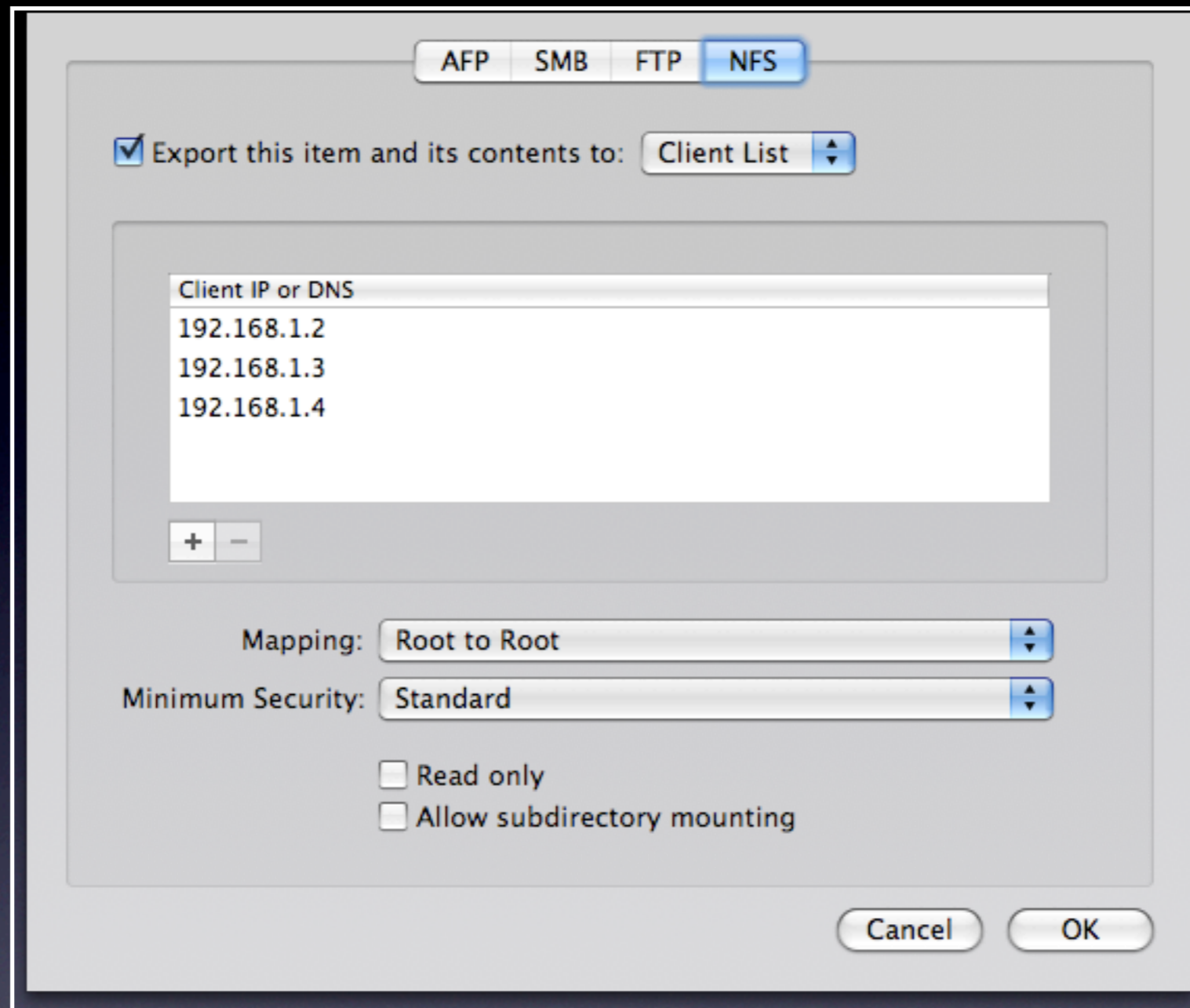
- Share /podcasts folder
 - Disable Spotlight searching
 - Only allow NFS Protocol
 - Export to Client List
 - Add IP addresses
 - Root to Root

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Share Point /podcasts

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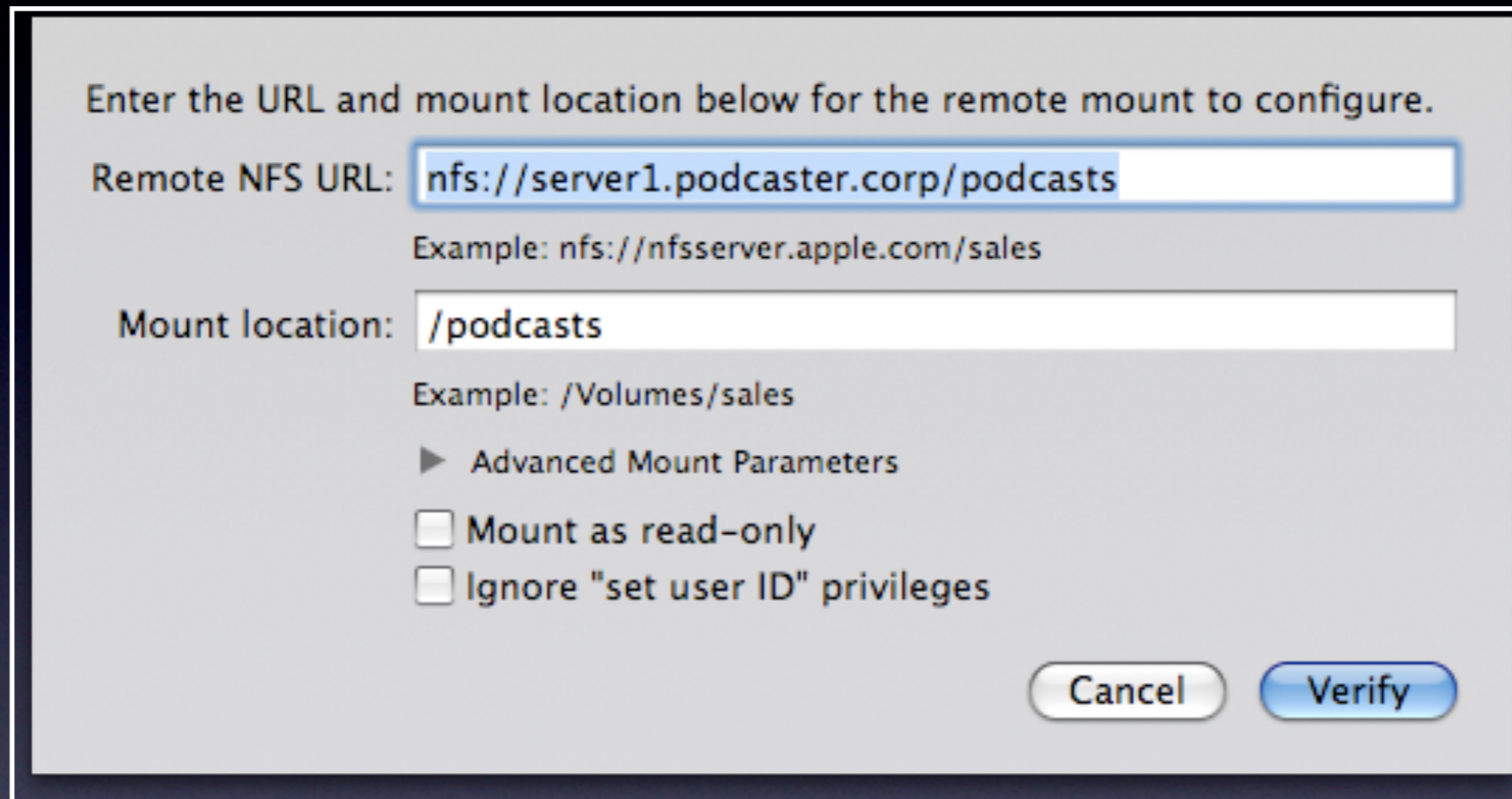
NFS Protocol Only

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Configure Client NFS

- Open Directory Utility
- Click on Mounts in the toolbar
- Add NFS URL
 - `nfs://server1.podcaster.corp/podcasts`
 - `/podcasts`

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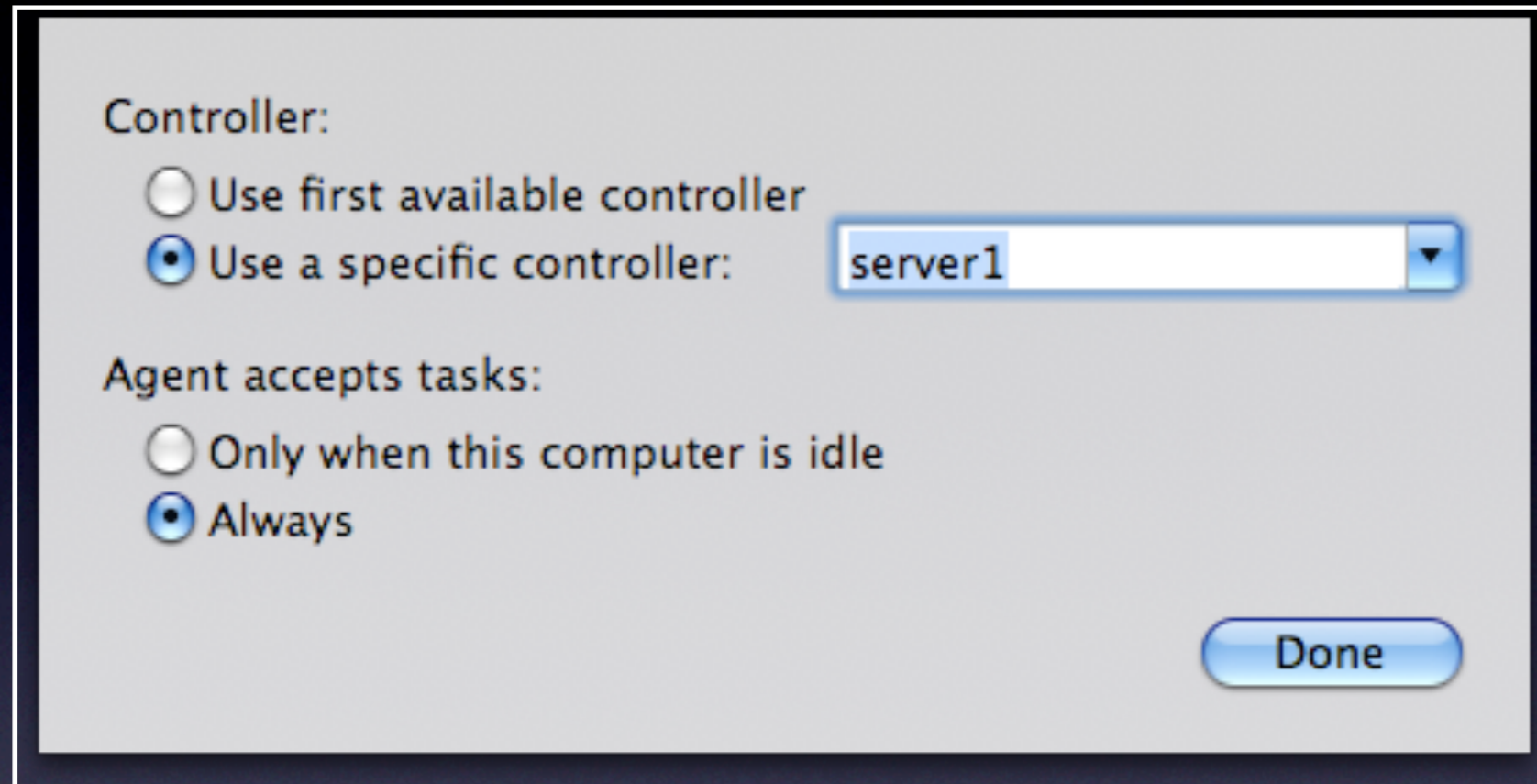
Client NFS Mount

<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

Add Xgrid agent

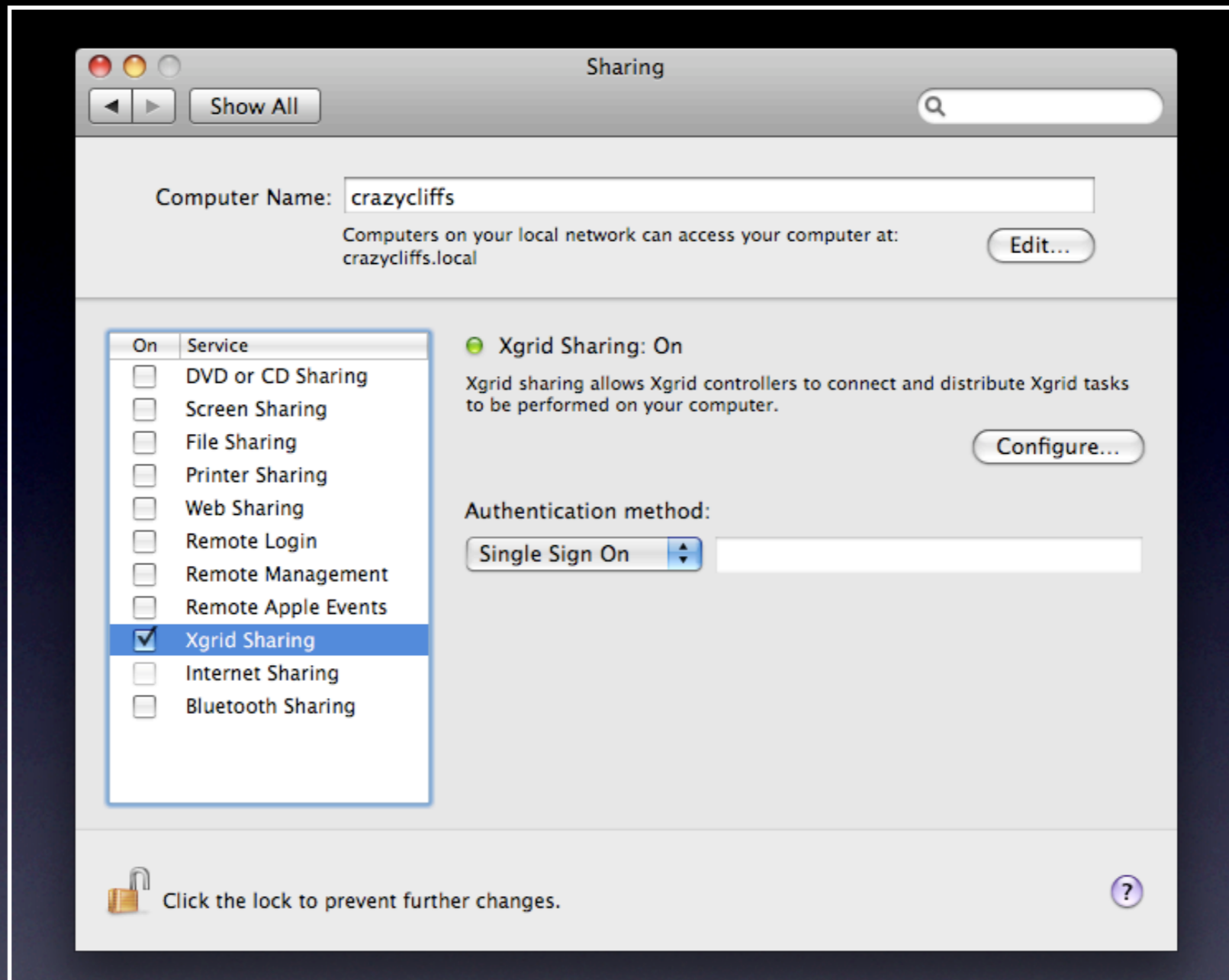
- Open System Preferences
- Go to Sharing Pane, select Xgrid Sharing (do not enable yet!)
- Configure...
 - Specific Server (server I)
 - Always
- Use Single Sign On

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<http://macpres09.shownets.net>



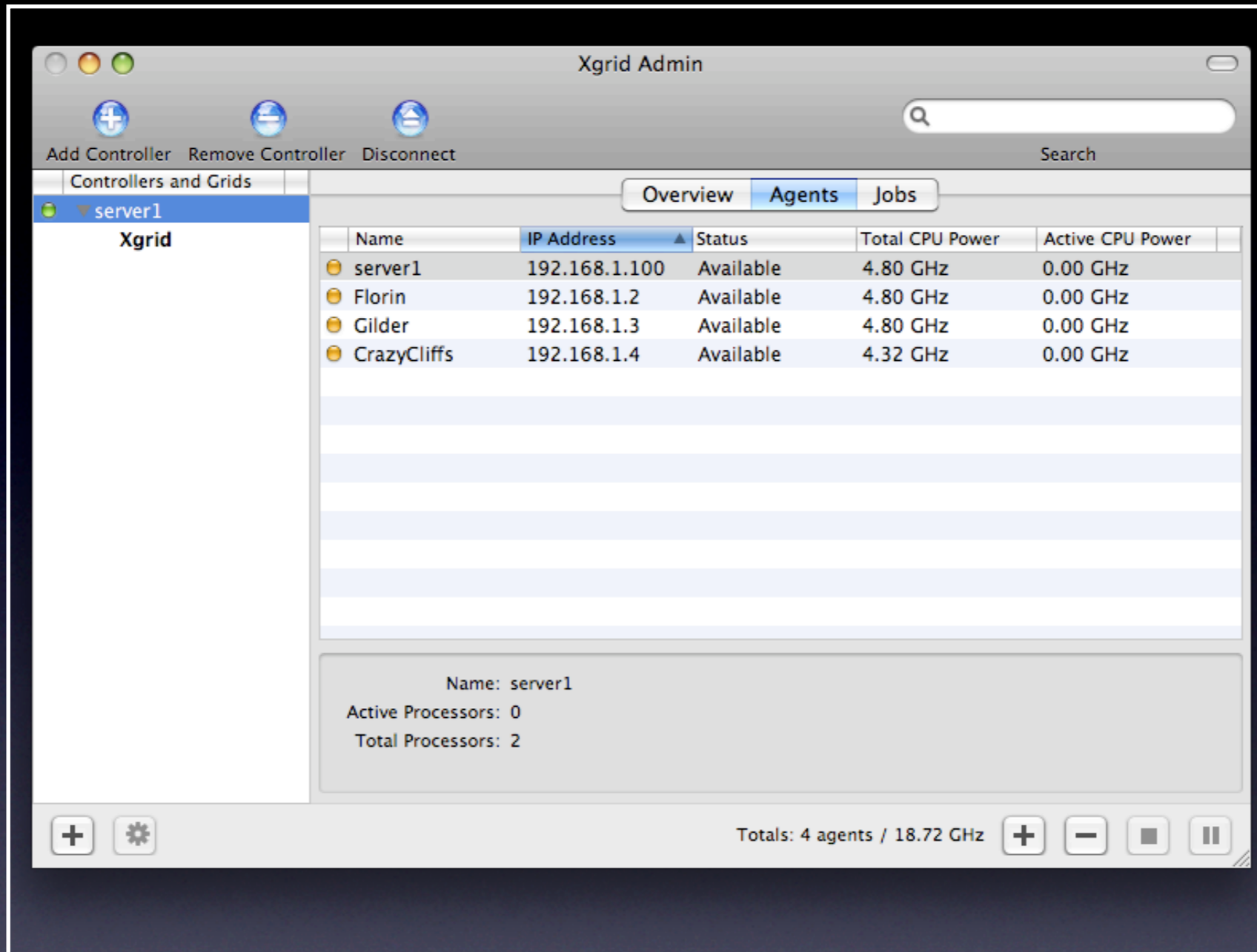
Xgrid Configure

<http://bit.ly/Macworld-IT834>
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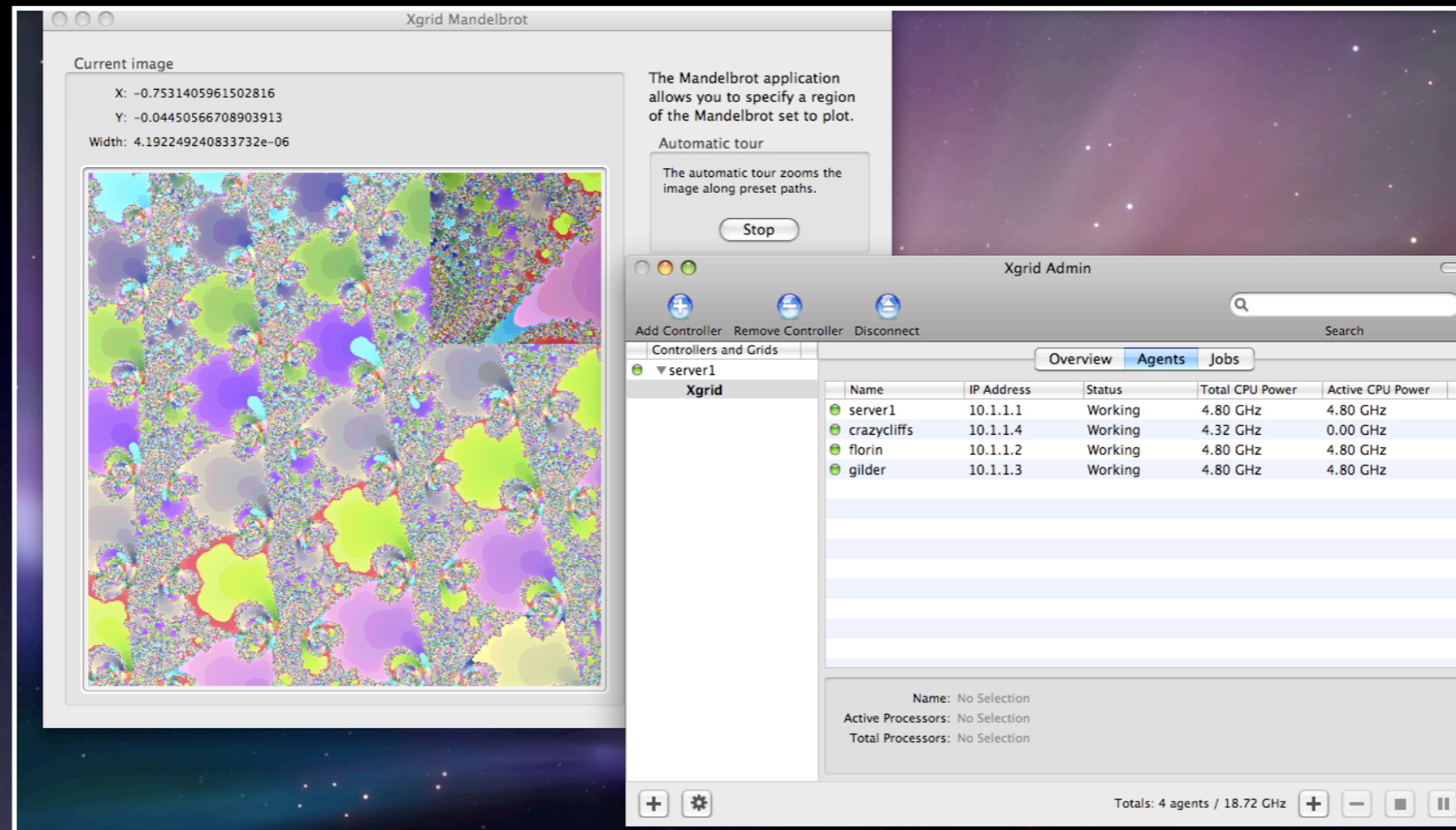
Xgrid Sharing

<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>



Xgrid Agents Updated

<http://bit.ly/Macworld-IT834>
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Stress Test

<http://bit.ly/Macworld-IT834>
<http://macpres09.shownets.net>

Final Podcast Cluster

Q&A

<http://bit.ly/Macworld-IT834>

Resources

- http://manuals.info.apple.com/en_US/Podcast_Producer_Admin_v10.5.pdf
- <http://podcastproducer.org/>
- Auto Server Setup - <http://docs.info.apple.com/article.html?path=ServerAdmin/10.5/en/c10xg2.html>
- Active Directory Users 10.5.5 and prior <http://support.apple.com/kb/HT3192>
- Princess Bride - <http://www.imdb.com/title/tt0093779/>

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Thank You

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