

Make Your Own Cloud

Create a Private Cloud Using Apple Hardware and Software



Why?

Why Your Own Cloud?

- Privacy
- Protection
- Multi-Platform Support

Privacy

- There is no "Cloud"
 - "Cloud" = "someone else's computer"
 - "For convenience, I'm going to put my business's critical data, plans, and secrets on someone else's computer."
- Cloud storage may not be secure
 - Who has the encryption key?
 - Service holds key = Government has key
- You are the product
 - There is no "free"

Google: 'Government surveillance is on the rise'



http://www.cnn.com/2012/11/13/tech/web/google-transparency-report/index.html

The U.S. made 7,969 requests for users' Gmail and other Google data in the first six months of 2012.

(CNN) -- The tangled David Petraeus scandal highlights how easily the U.S. government can access citizens' private e-mails.

The FBI's request to access Paula Broadwell's personal Gmail account was one of 7,969 similar requests Google received from the U.S. government in the first half of 2012, according to Google and news reports. The company said it complied with the requests, either fully or partially, 90% of the time.

Protection

- Cloud data rights ≠ home data rights
 - Online data does not have the same protections as data stored in your home

The Fourth Amendment does not prohibit the obtaining of information revealed to a third party and conveyed by him to Government authorities, even if the information is revealed on the assumption that it will be used only for a limited purpose and the confidence placed in the third party will not be betrayed.

—U.S. Supreme Court

https://ssd.eff.org/your-computer/govt/privacy

Reasonable Expectation of Privacy • EFF • Electronic Frontier Foundation

Protection

- Cloud data rights ≠ home data rights
 - Online data does not have the same protections as data stored in your home
- Who has access to your data?
 - Employees
 - Government
 - Law Enforcement
 - Companies
 - Criminals

Multi-Platform Support

- Does your cloud support both Macs, Windows, and iOS devices?
 - Can you share data/info with others?

No one is going to provide you a truly secure service for free.

—Common Sense

If you want something done right, do it yourself.

-Sal's Dad



Requirements

Requirements

- Fixed IP Address
 - 17.123.45.678
- Registered Domain Name
 - www.yourhomeserver.com
- Cable/DSL Modem
- Server Hardware
 - Mac Mini (Server)
- Server Software
 - OS X Server



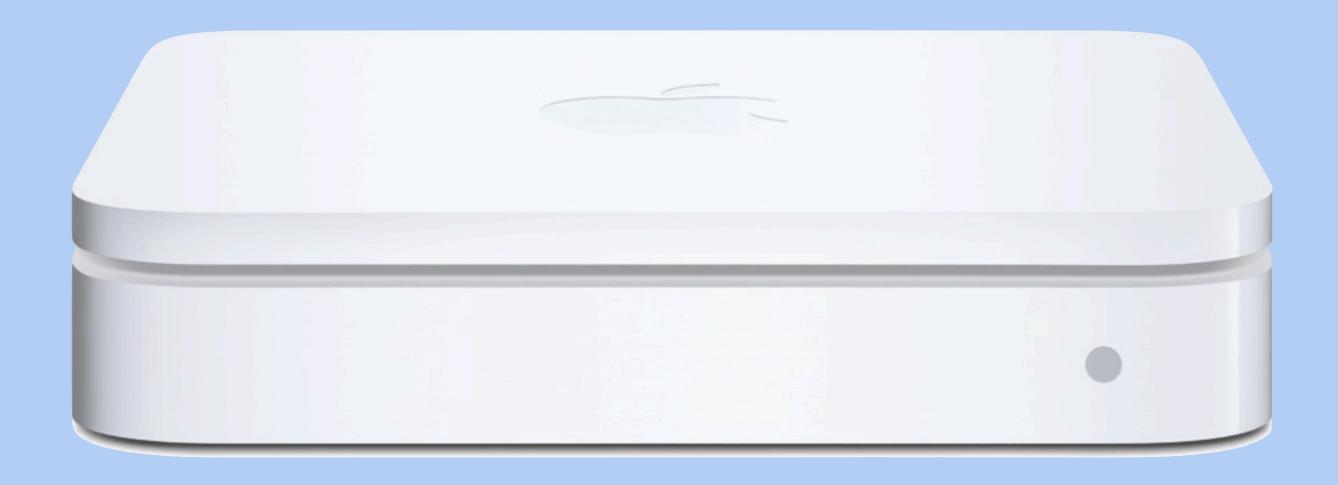


Hardware

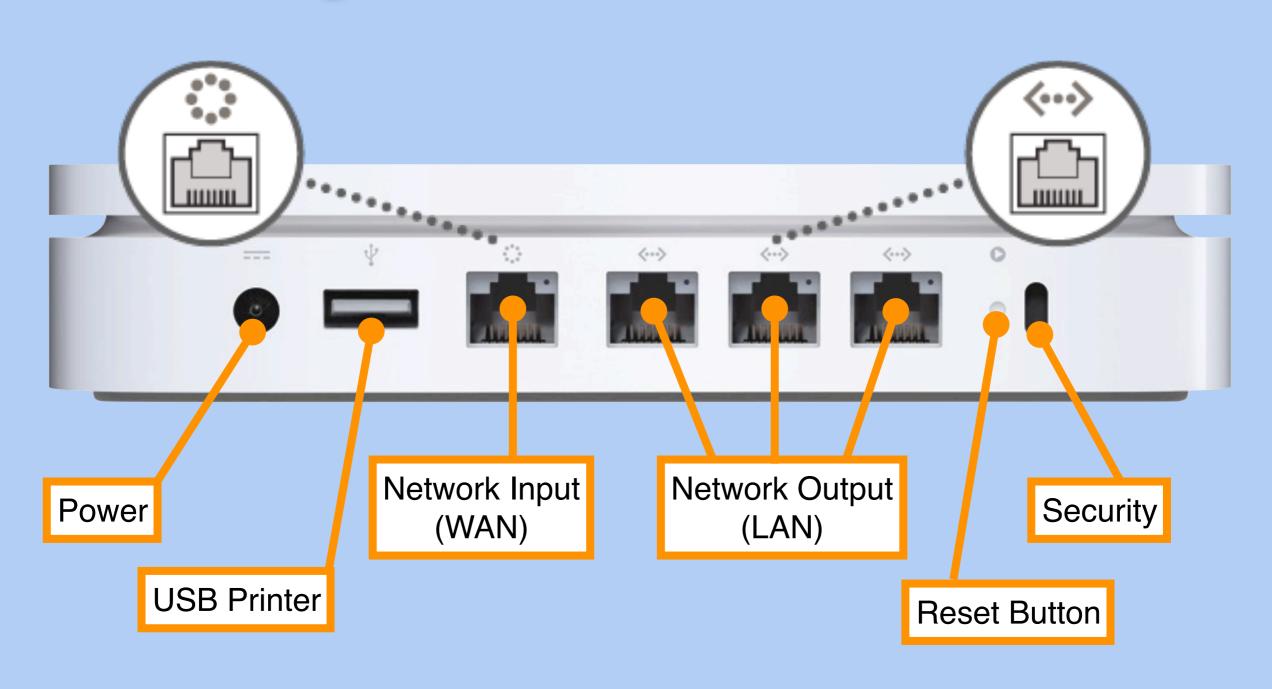
Cable Modem



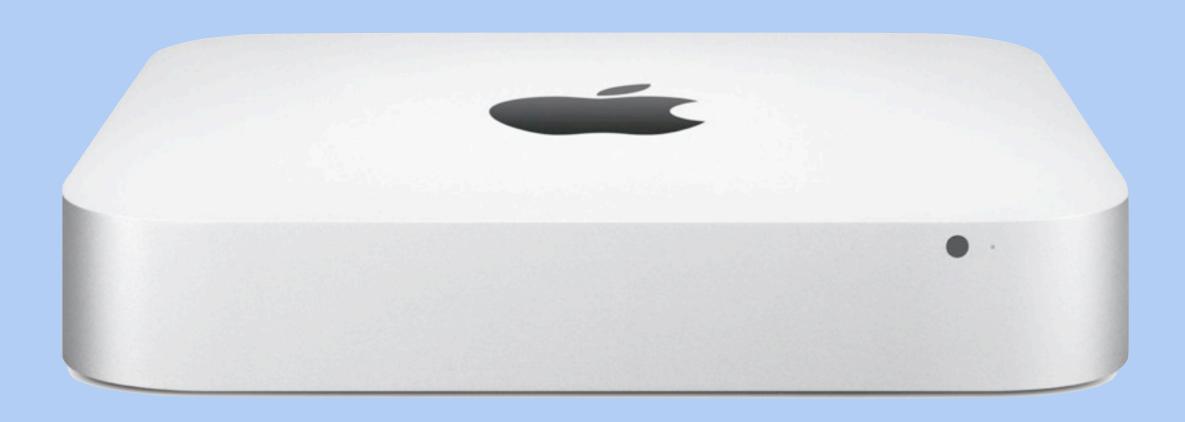
Airport Base Station



Airport Base Station



Mac Mini

















Select your Mac mini



2.5GHz Mac mini

2.5GHz dual-core Intel Core i5 4GB memory 500GB hard drive¹ Intel HD Graphics 4000 OS X Mountain Lion

\$599

2.3GHz Mac mini

2.3GHz quad-core Intel Core i7 4GB memory 1TB hard drive¹ Intel HD Graphics 4000 OS X Mountain Lion

\$799

Select your Mac mini with OS X Server

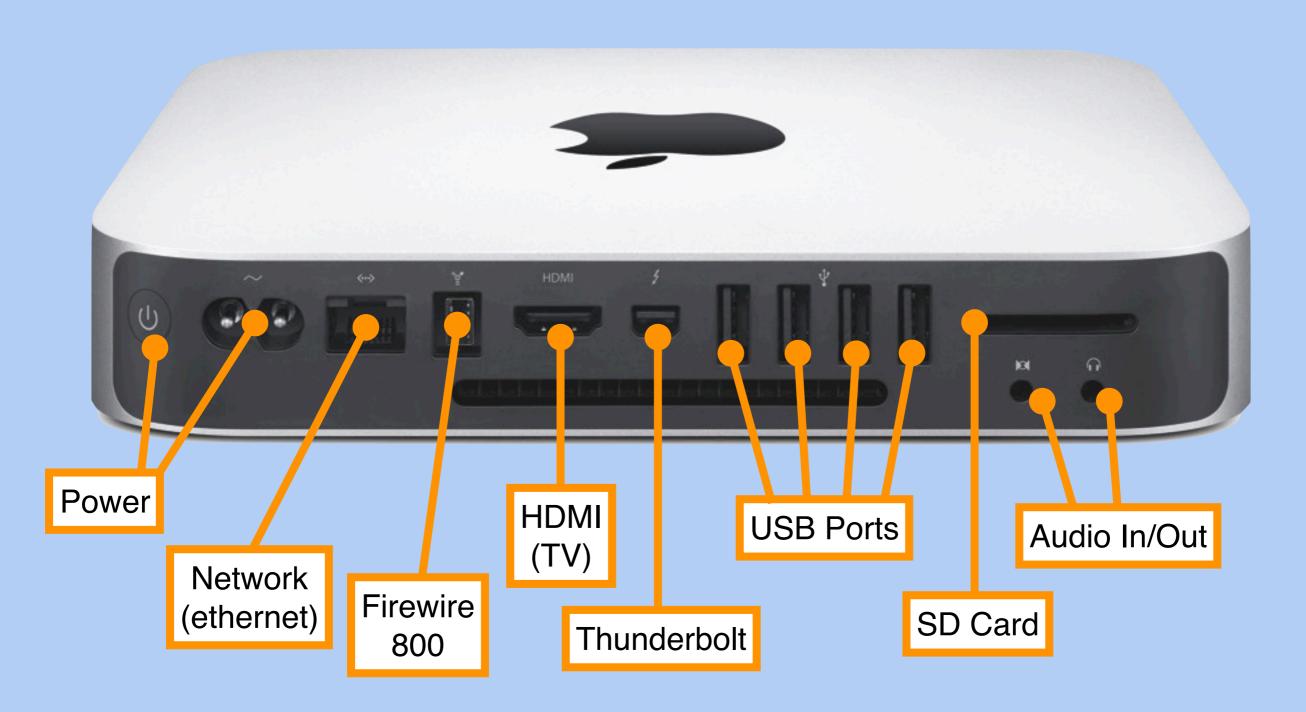


Mac mini with OS X Server

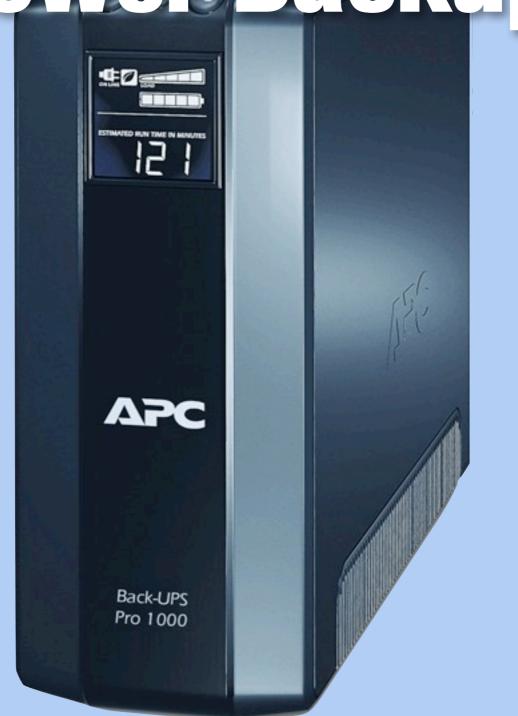
2.3GHz quad-core Intel Core i7 4GB memory Two 1TB hard drives¹ Intel HD Graphics 4000 OS X Mountain Lion OS X Server



Mac Mini





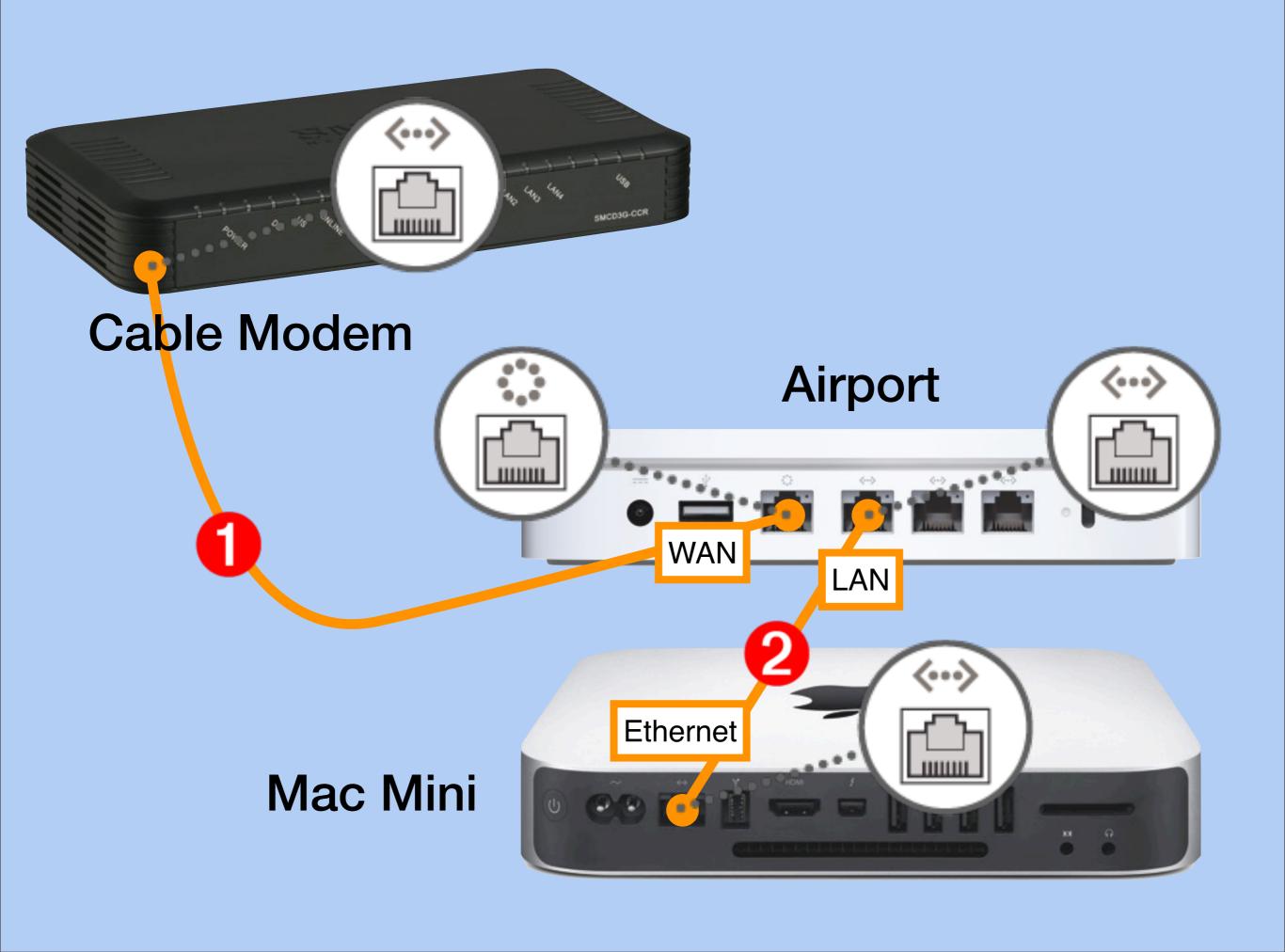








Connecting Hardware





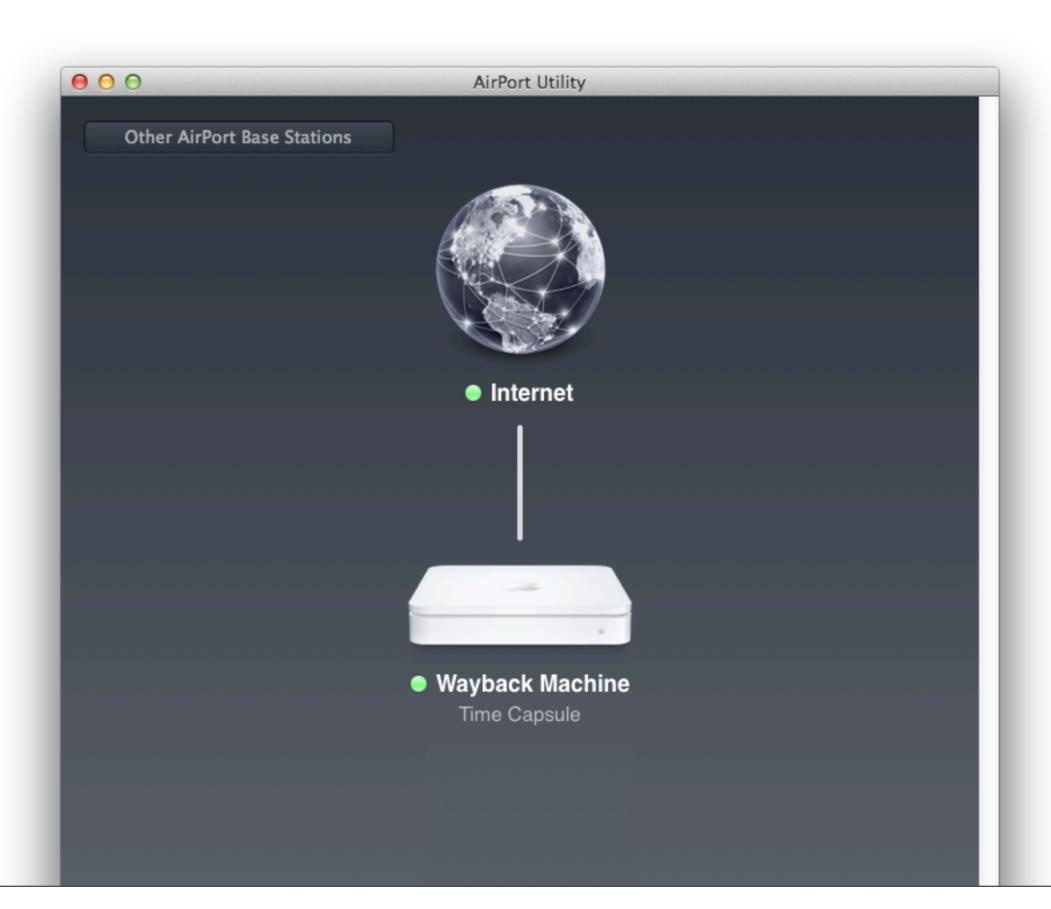


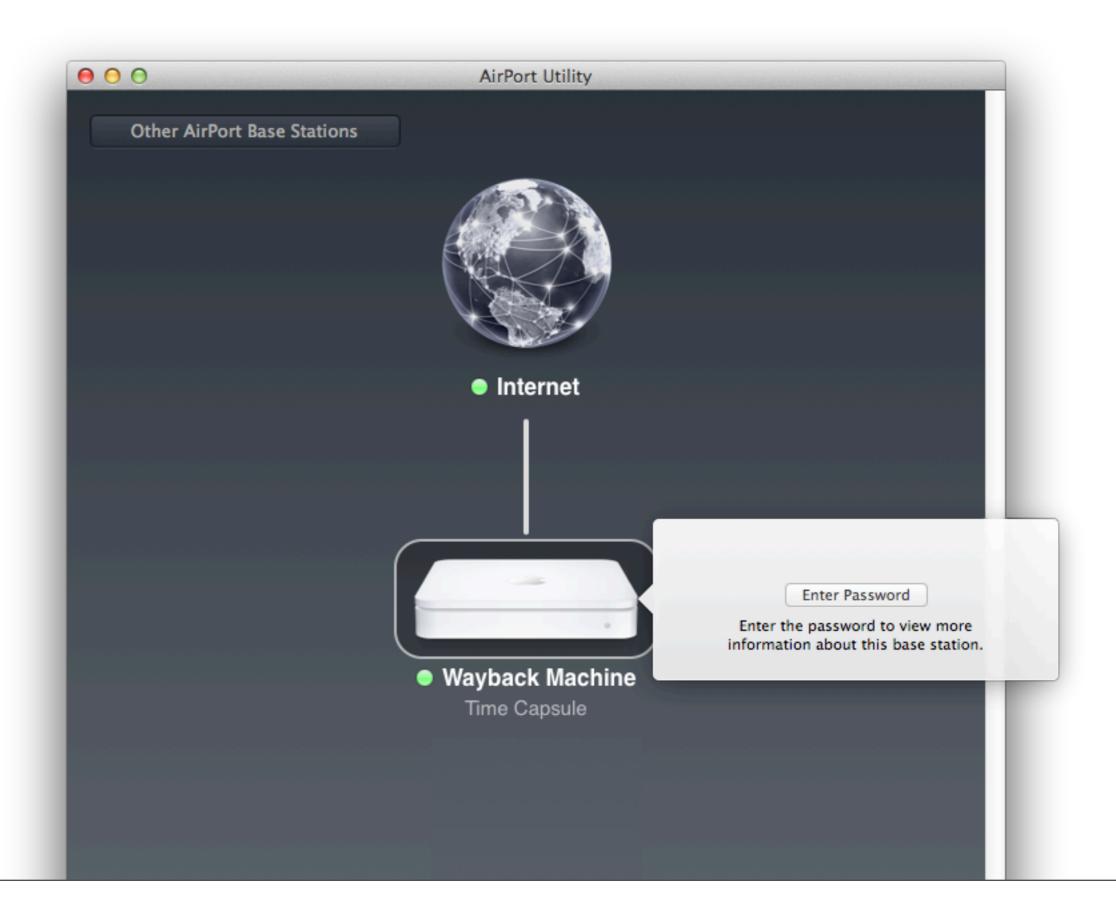
Base Station Setup

Airport Utility



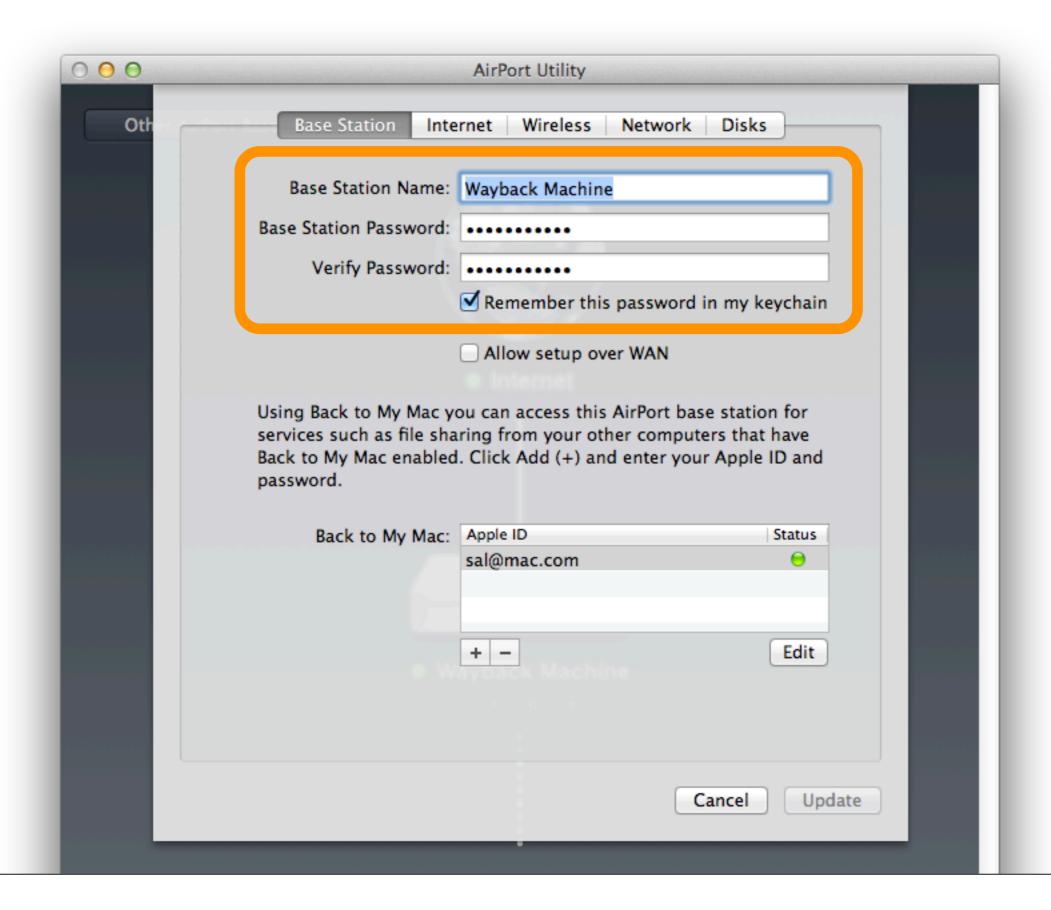




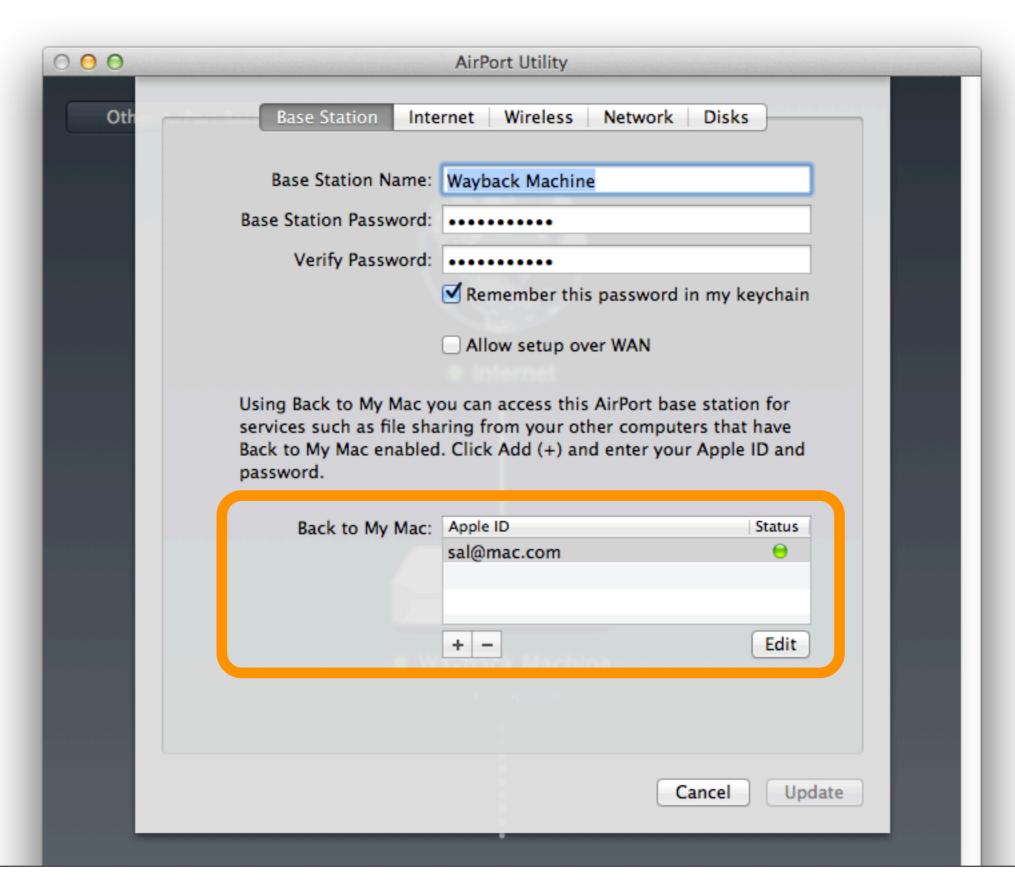




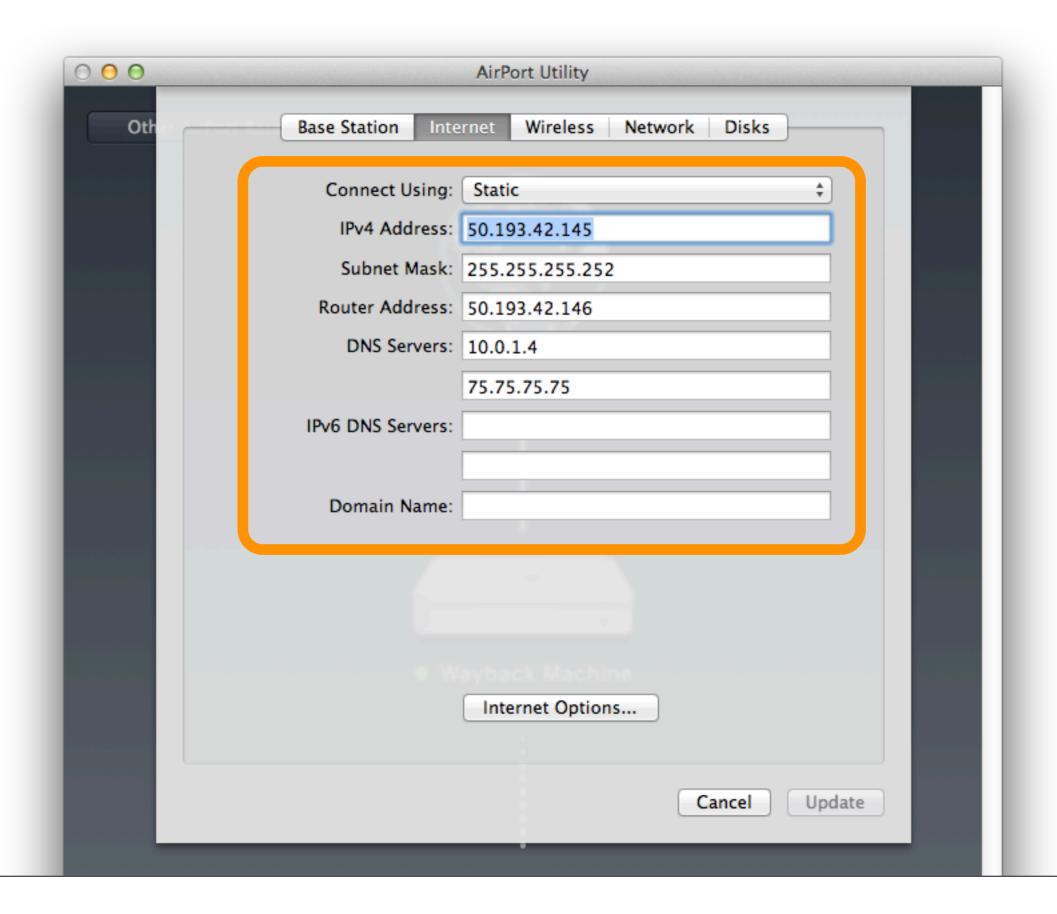
Base Station



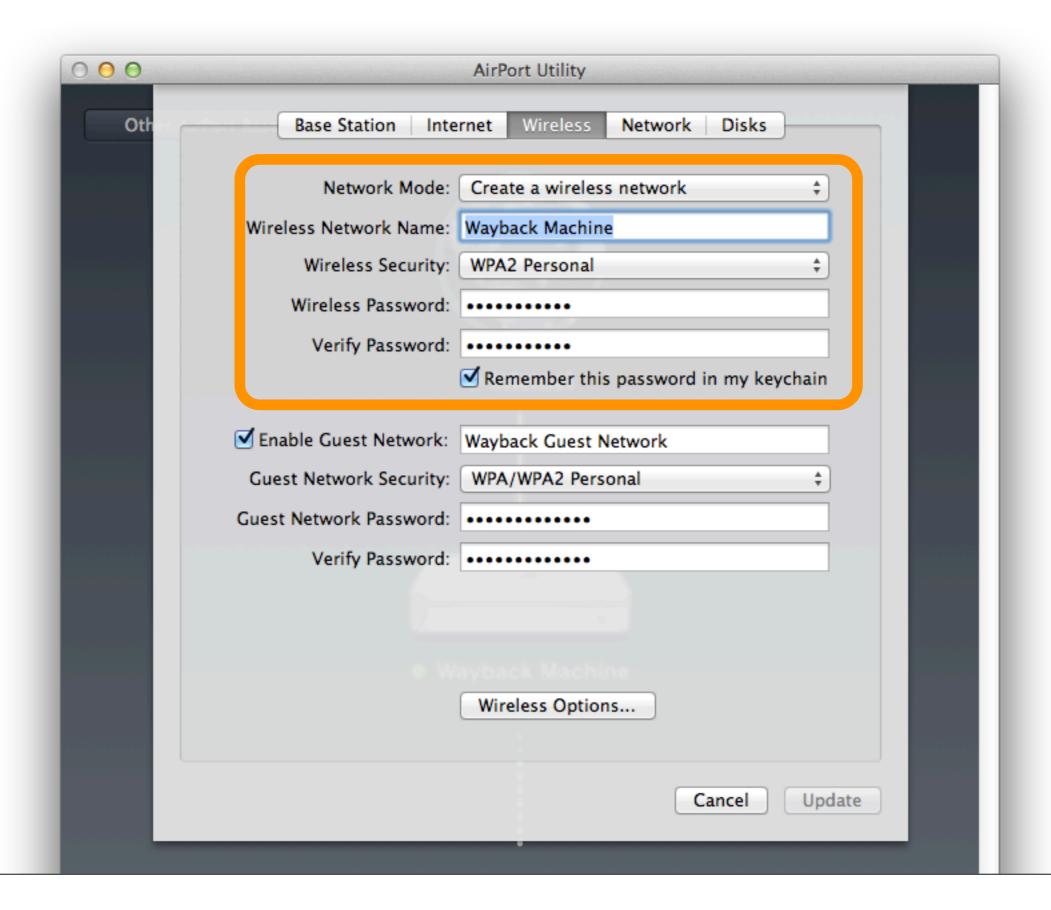
Back to My Mac



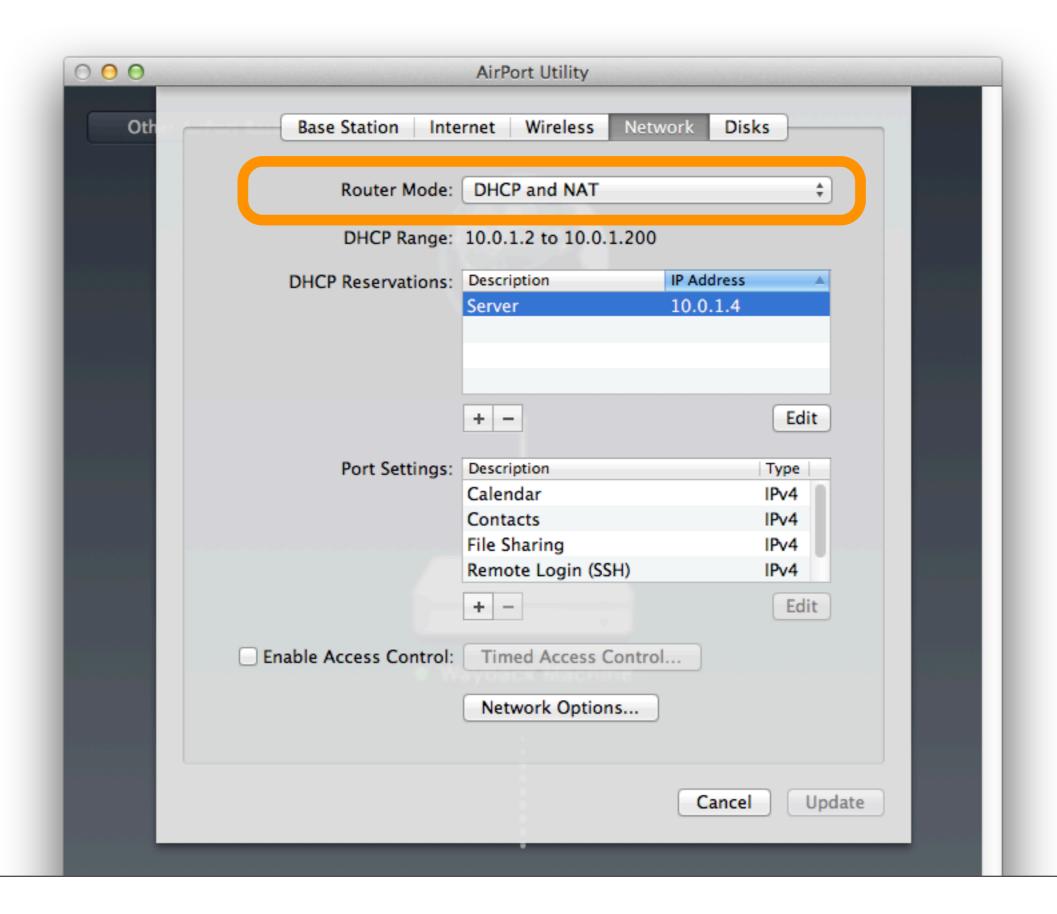
Internet



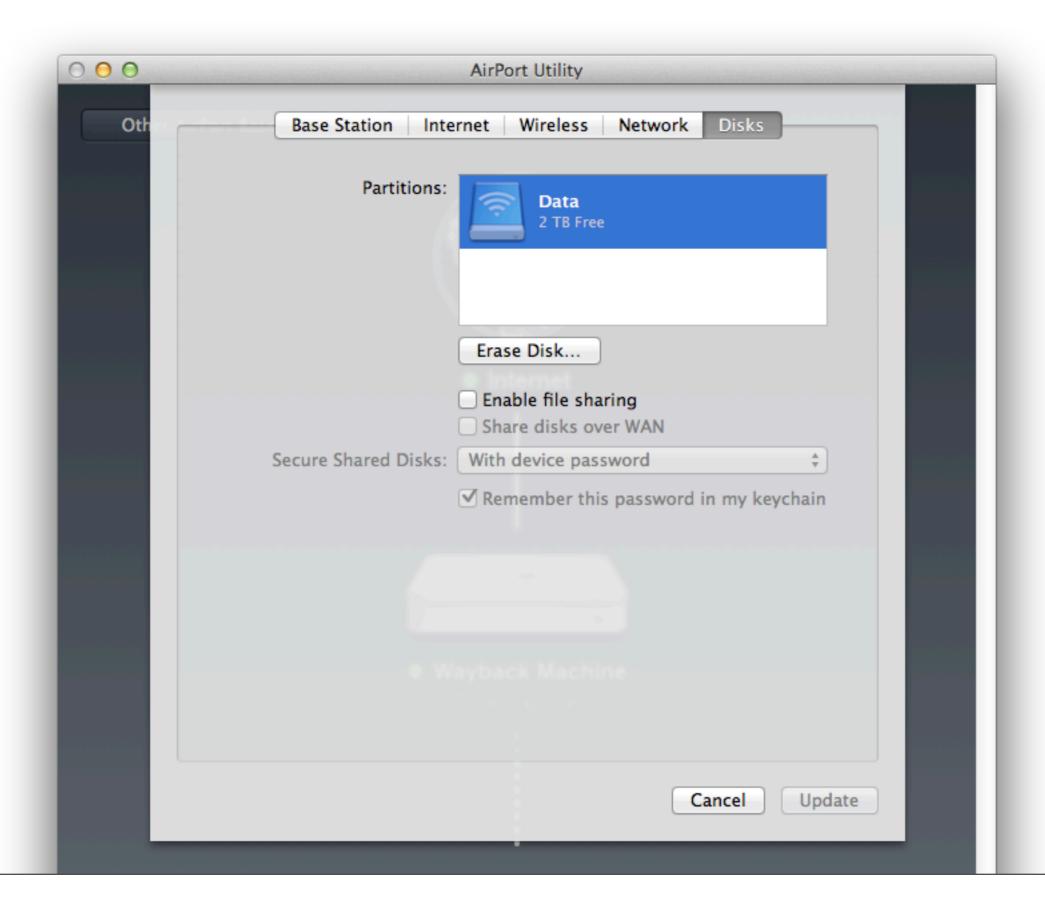
Wireless



Network



Disks







Installing OS X Server

OS X Server



App Store





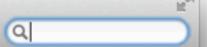














OS X Server

The server for everyone.

\$19.00



OS X Server is the next generation of Apple's award winning server software. Designed for OS X and iOS devices, OS X Server makes it easy to share files, schedule meetings, synchronize contacts, host your own website, publish wikis, configure Macs, iPhones and iPads, remotely access your network, and more.

...

What's New in Version 2.1.1

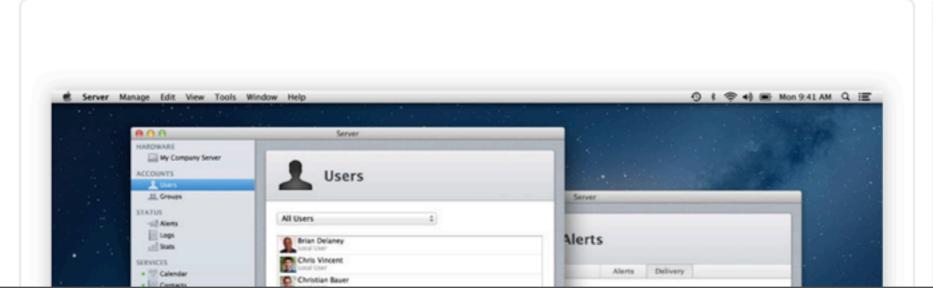
- · managing DHCP service from within the Server application
- iOS 6 device management support in Profile Manager...

...More

Apple Web Site >

OS X Server Support

...More App License Agreement



Information

Category: Utilities Updated: Sep 27, 2012

Version: 2.1.1 Price: \$19.99 Size: 136 MB

Languages: English, Chinese, Dutch, French, German, Italian, Japanese, Korean, Spanish

Seller: Apple Inc. © 2012 Apple, Inc.

Rated 4+



Safari



Mail



Messages



Contacts



Calendar



Reminders



FaceTime



Photo Booth



iTunes



App Store



Game Center



QuickTime Player



TextEdit



Calculator



Dictionary



Other



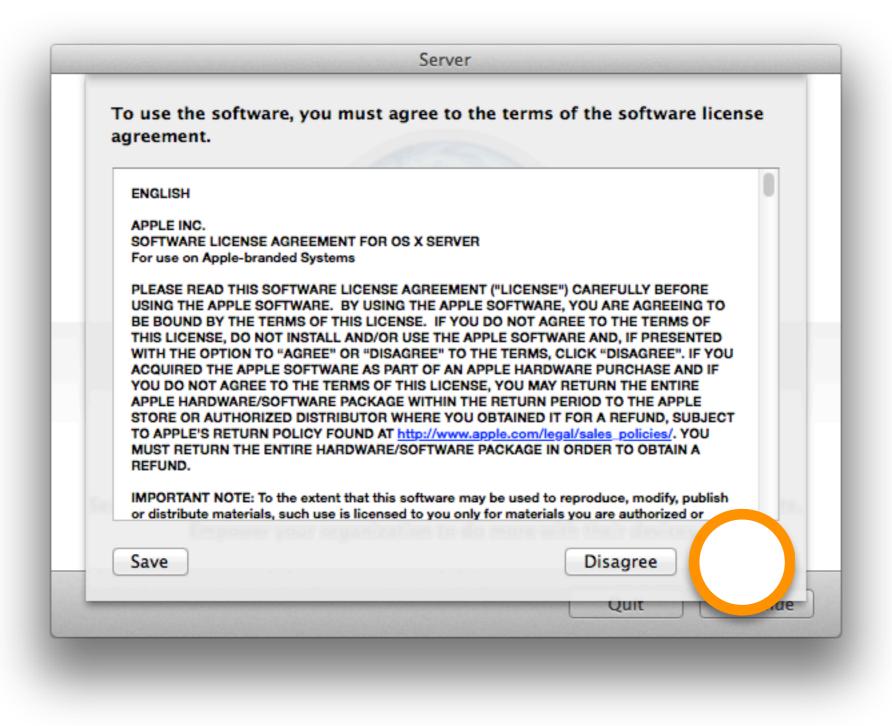
Mission Control

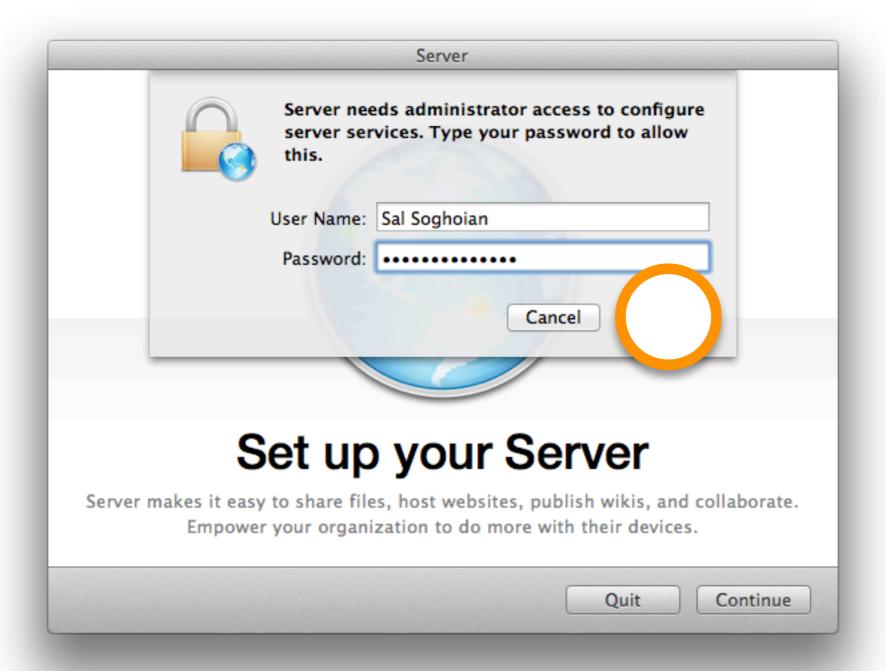


Dashboard



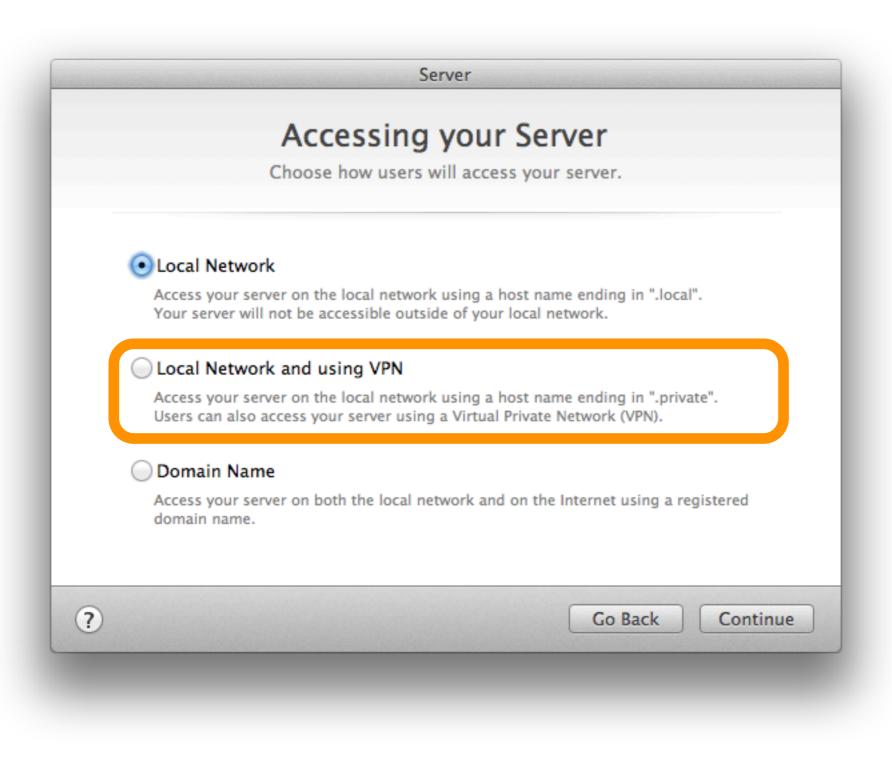


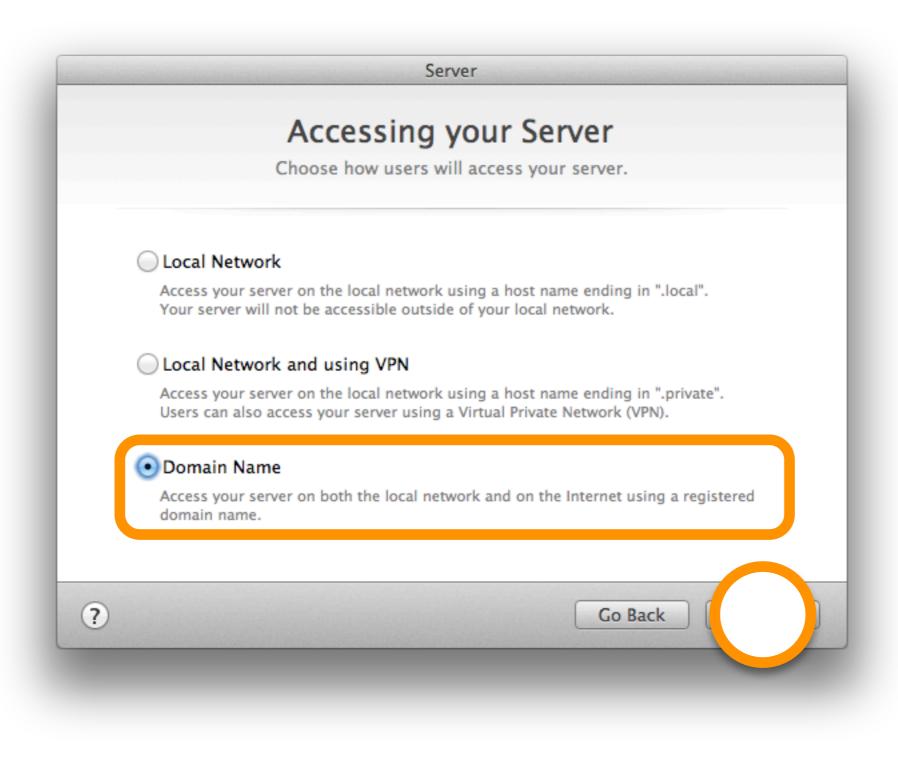


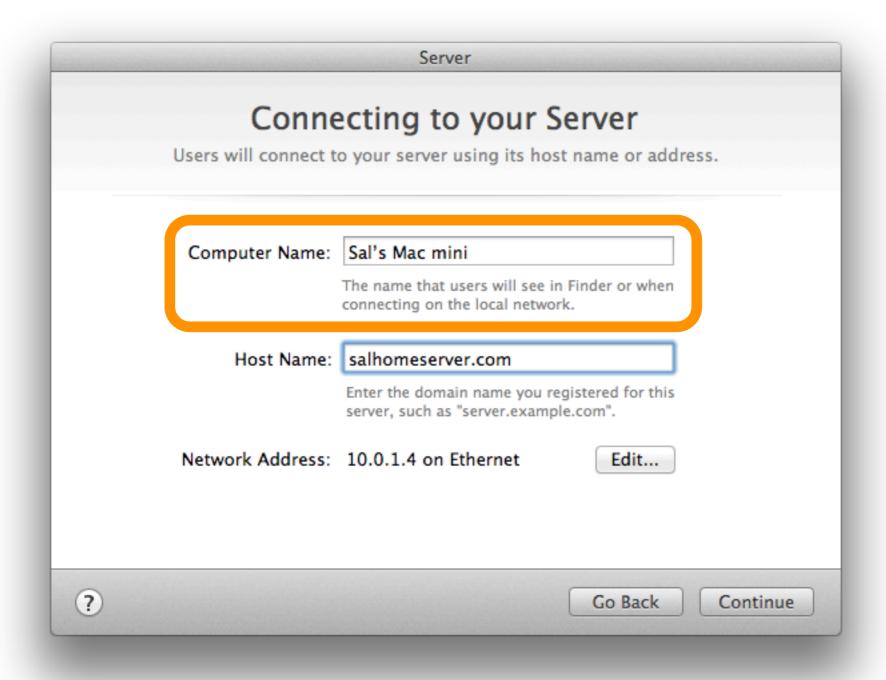


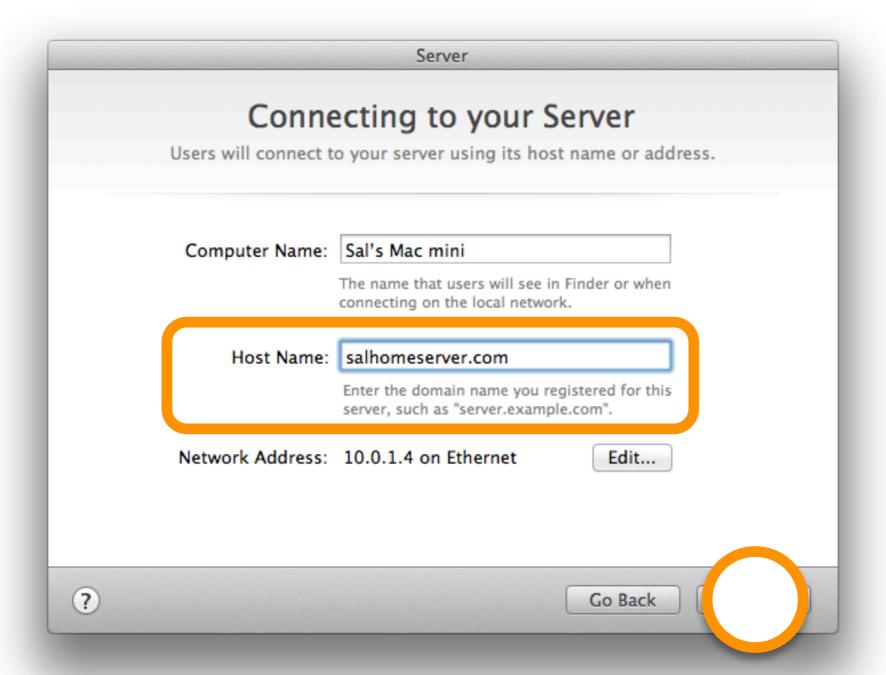






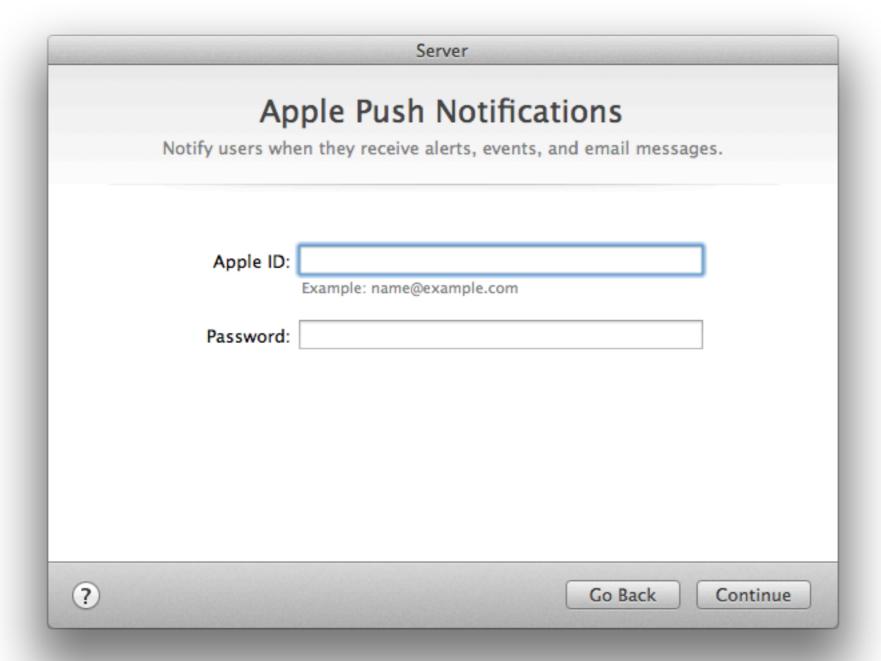


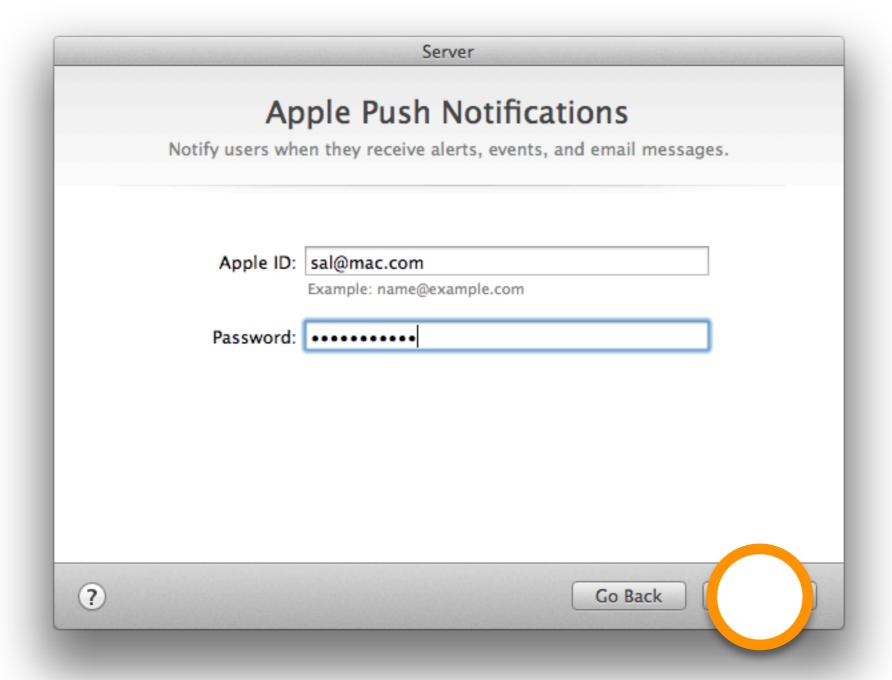








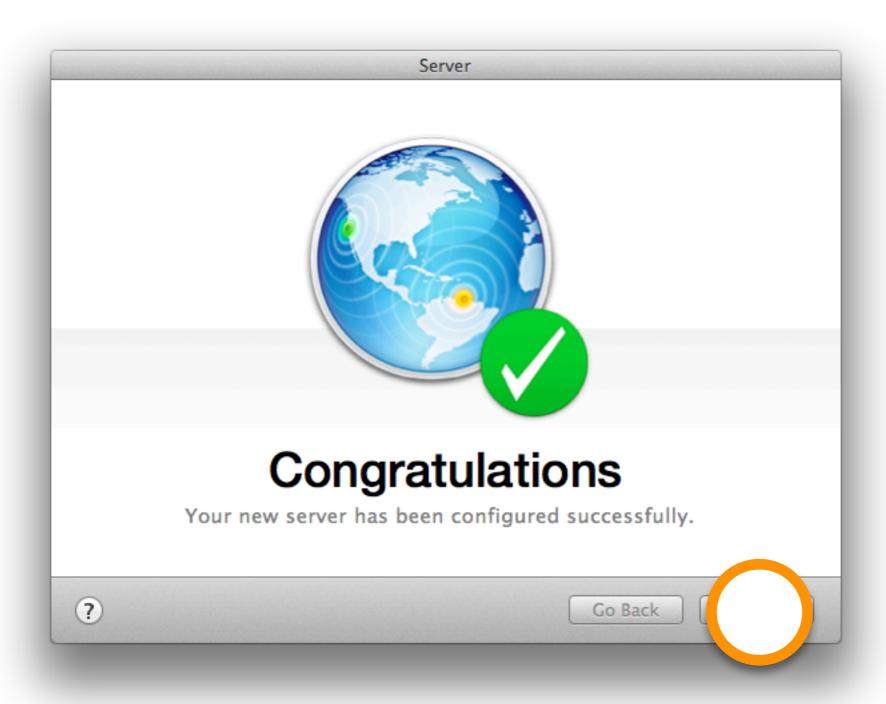


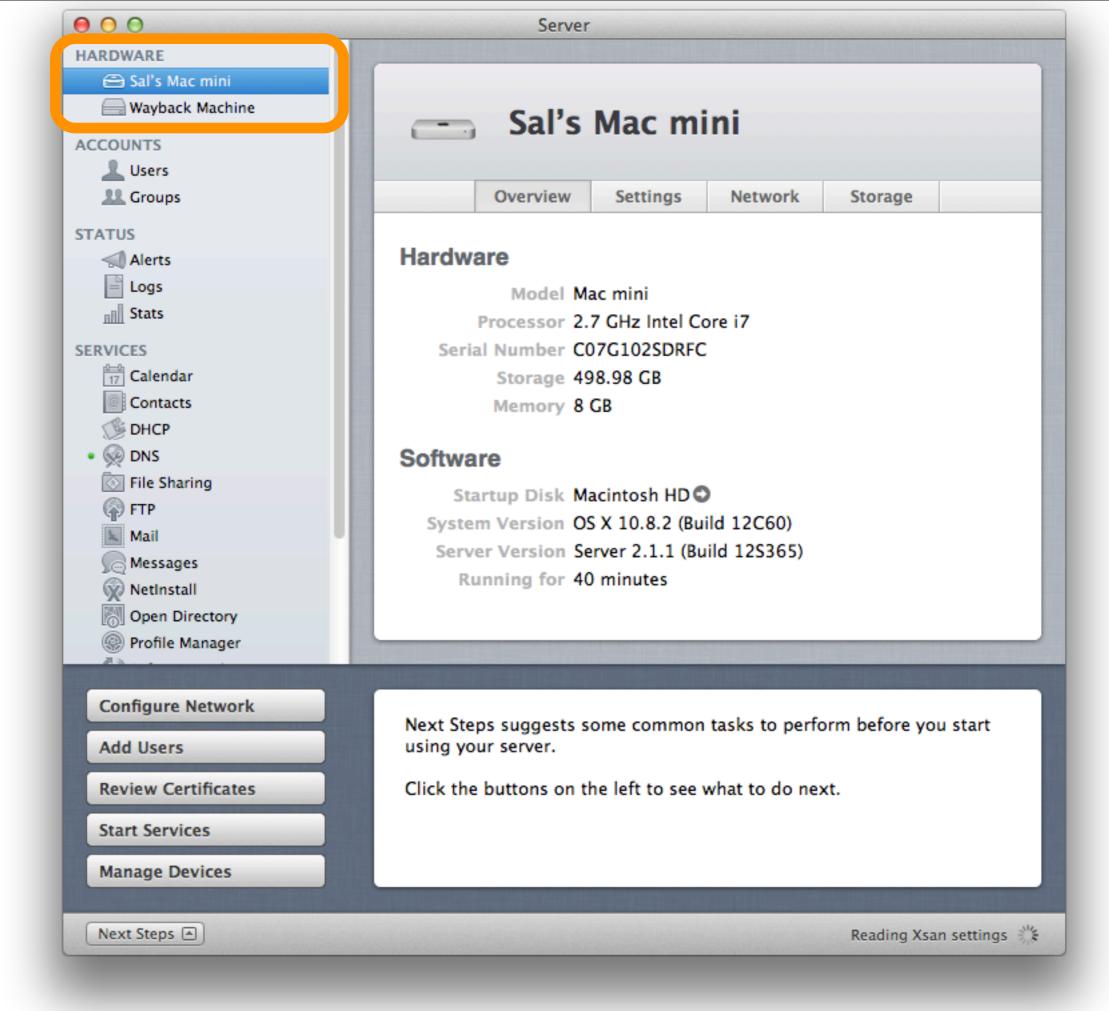


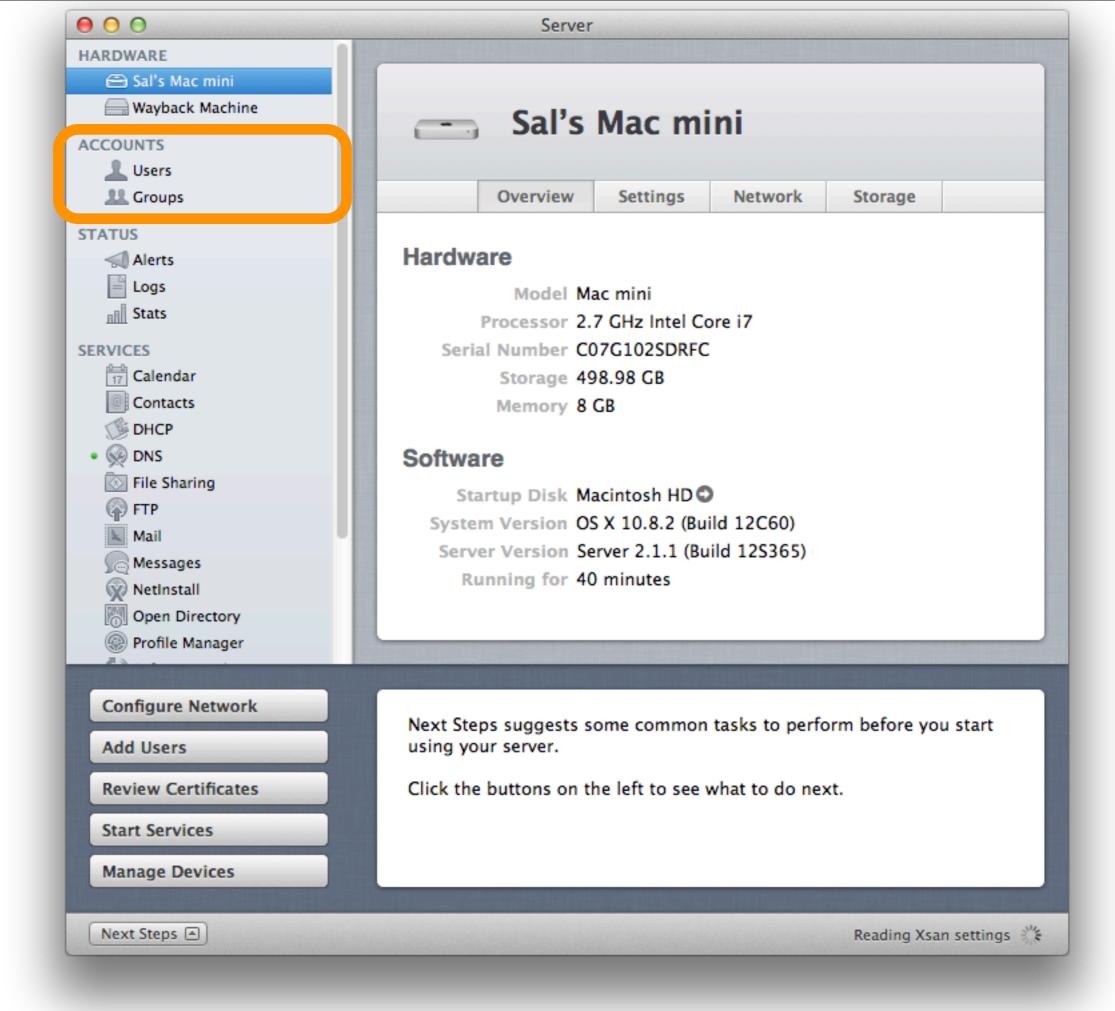




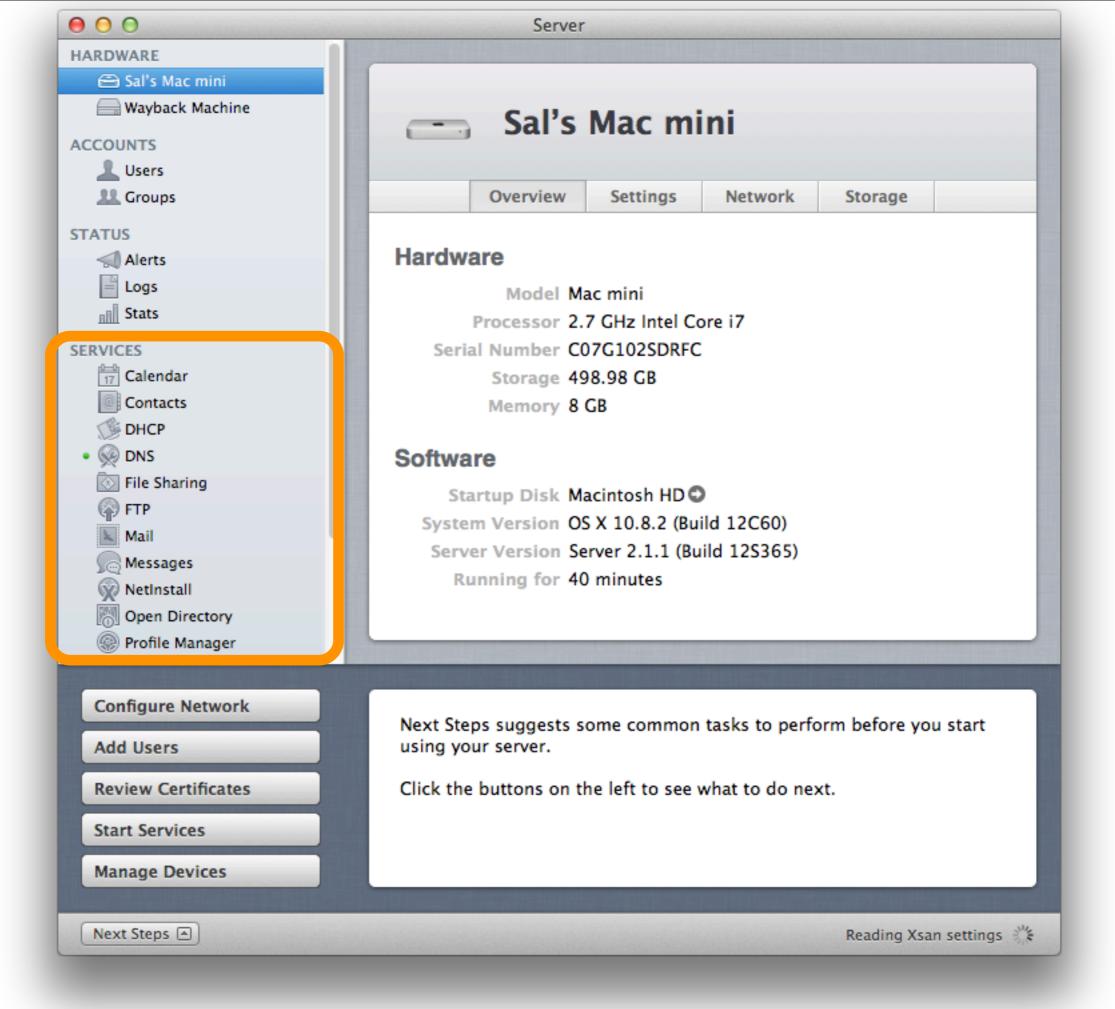


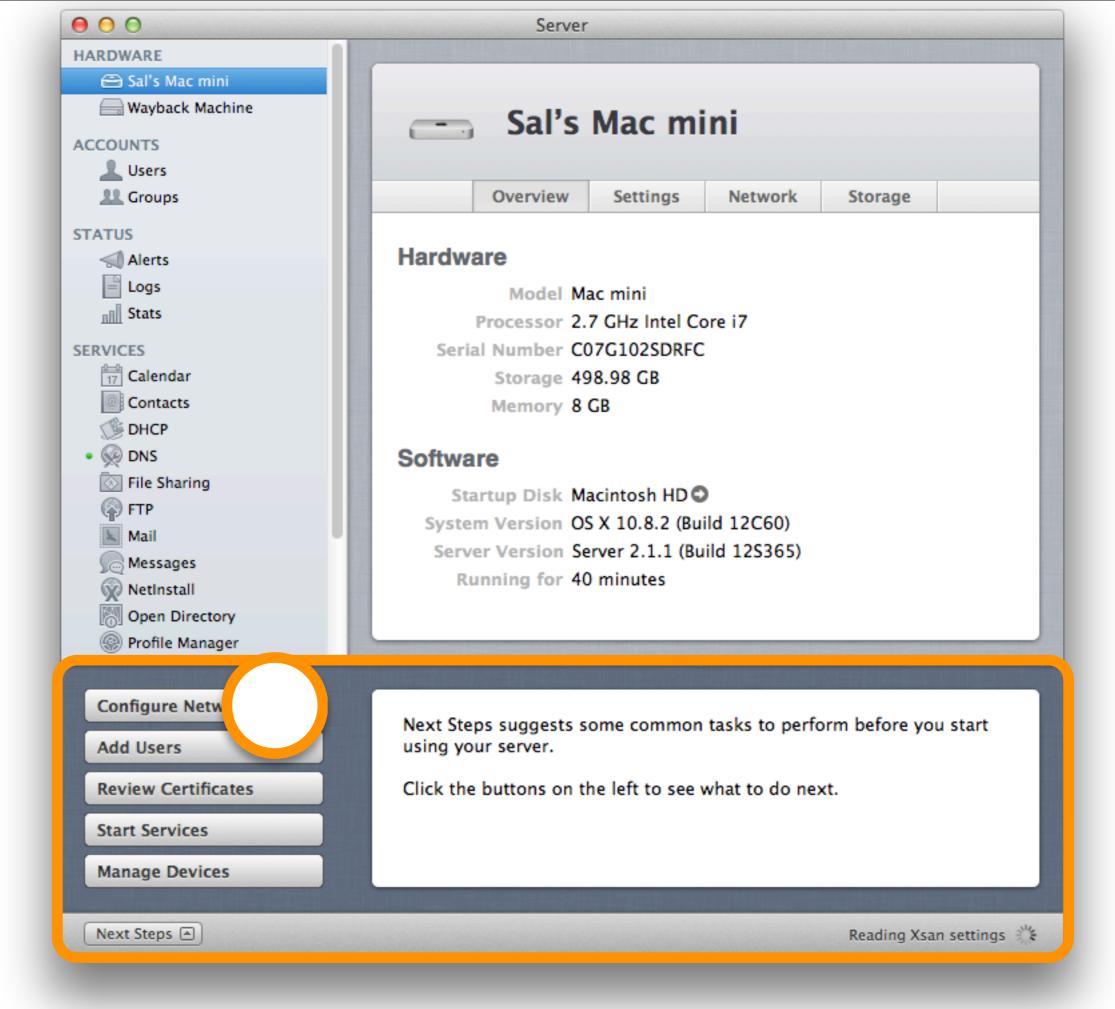


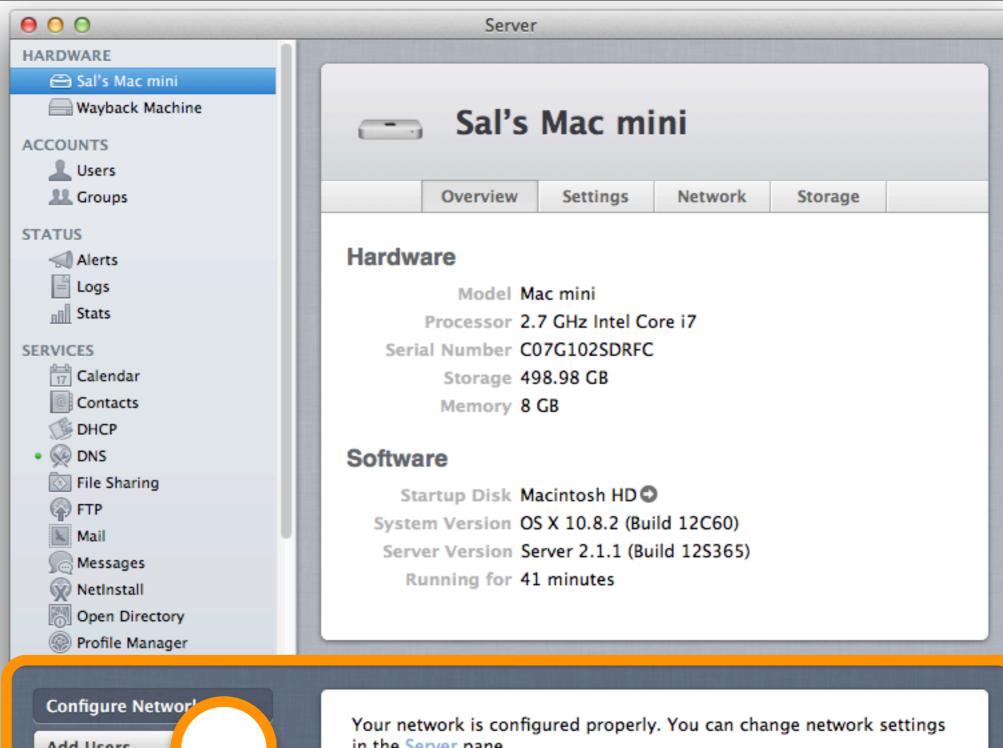


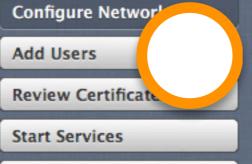










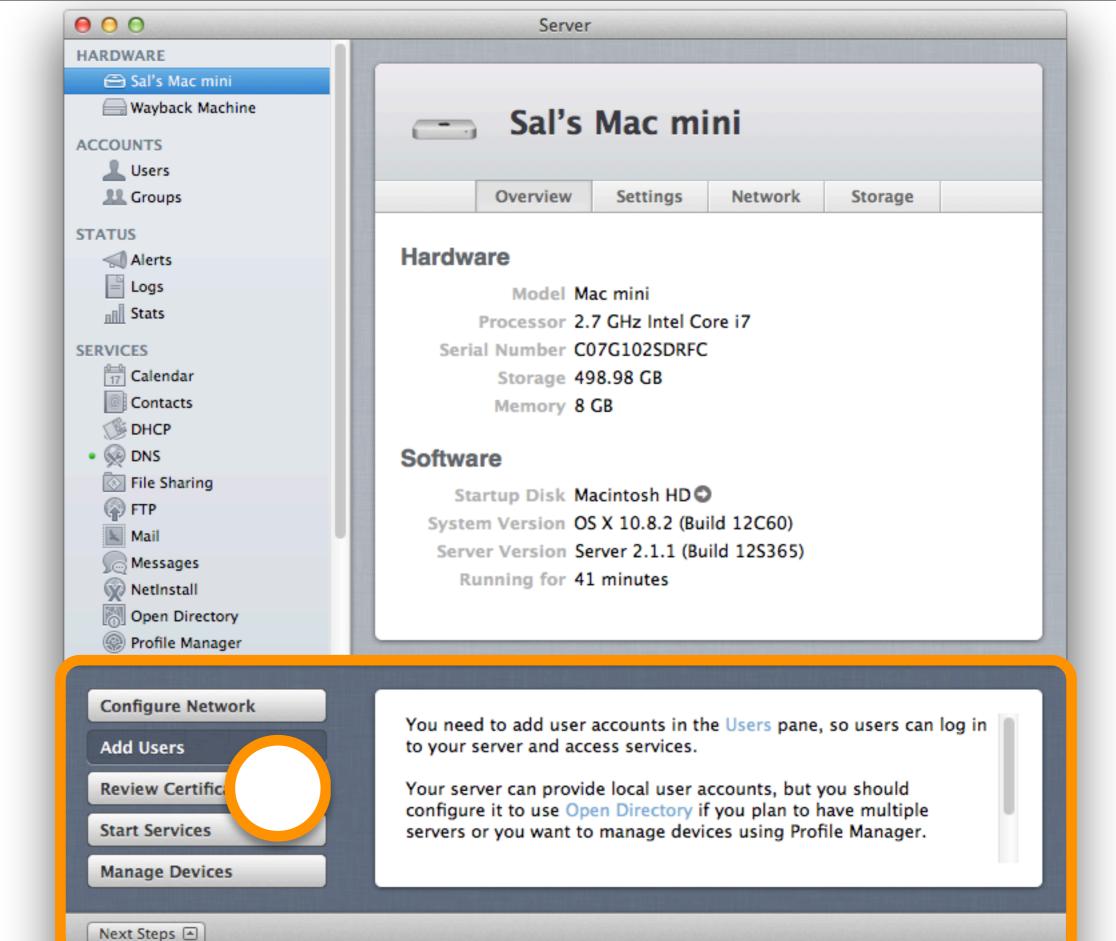


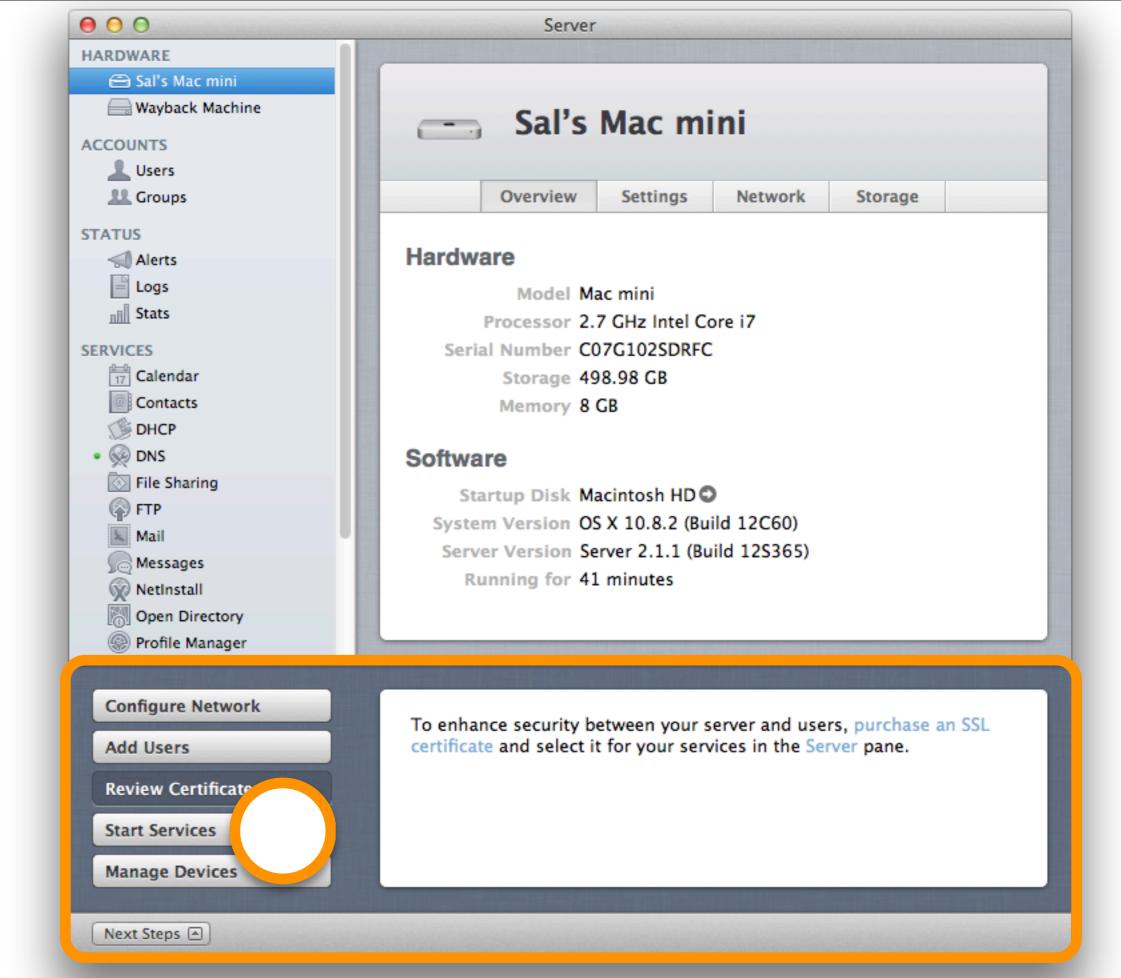
in the Server pane.

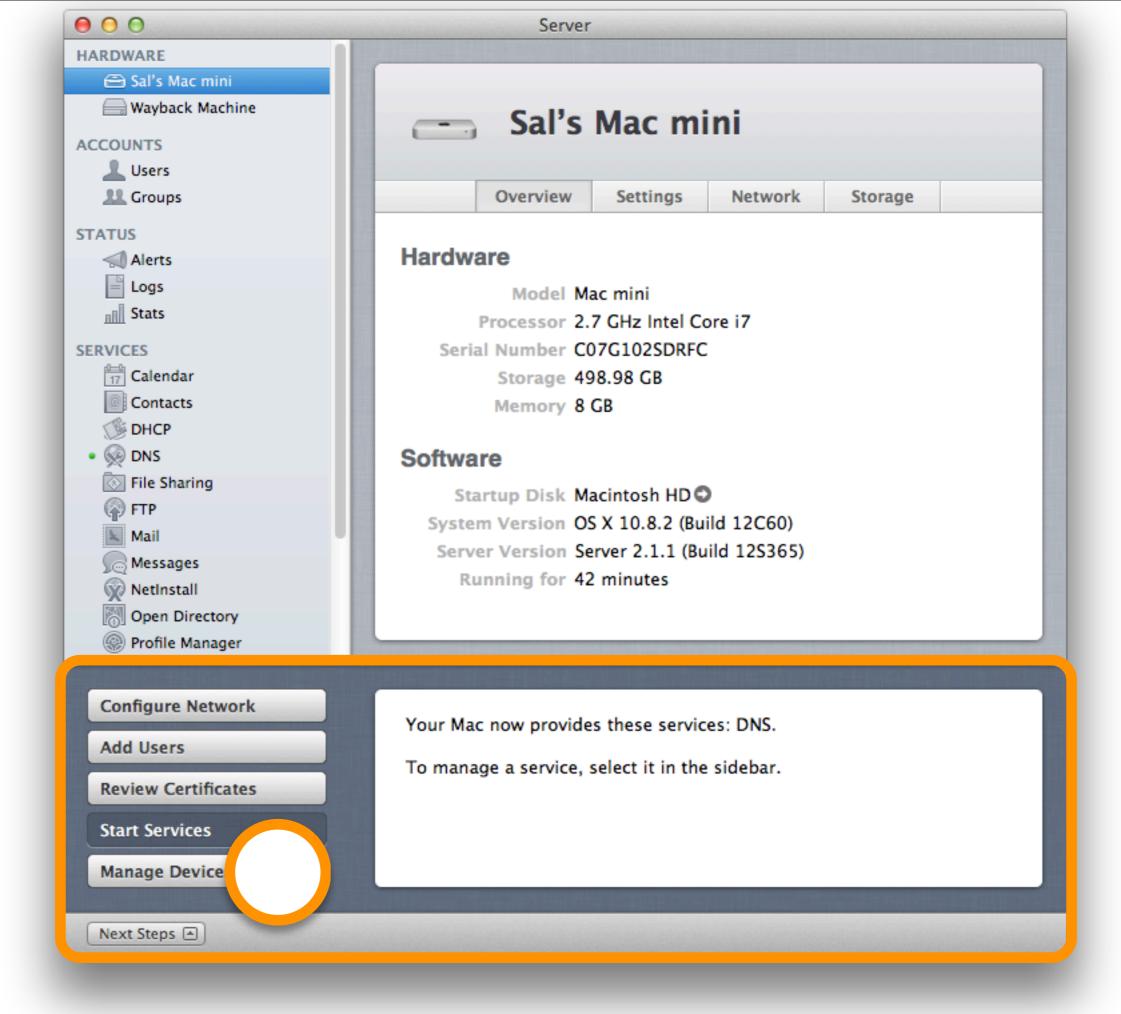
Your Server's host name is salhomeserver.com, and its IP address is 10.0.1.4. To allow direct Internet access to services running on your server, configure port mapping on your router.

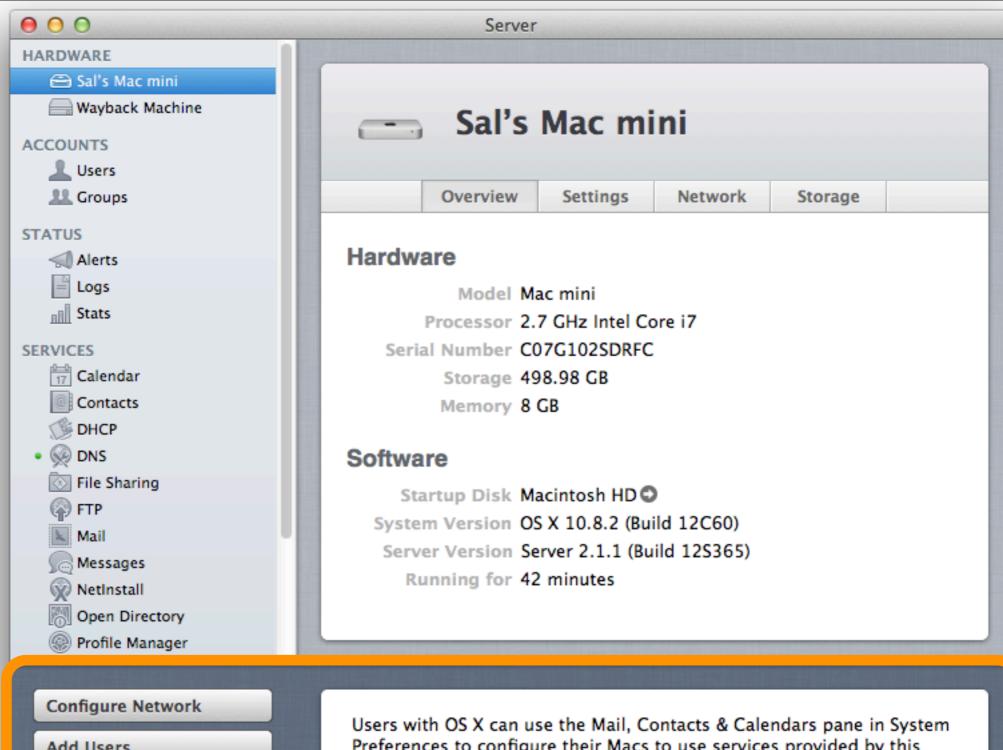
Next Steps 🖹

Manage Devices









Add Users

Review Certificates

Start Services

Manage Devices

Preferences to configure their Macs to use services provided by this server.

For automatic configuration and remote management of iOS devices and Macs running OS X, use Profile Manager.

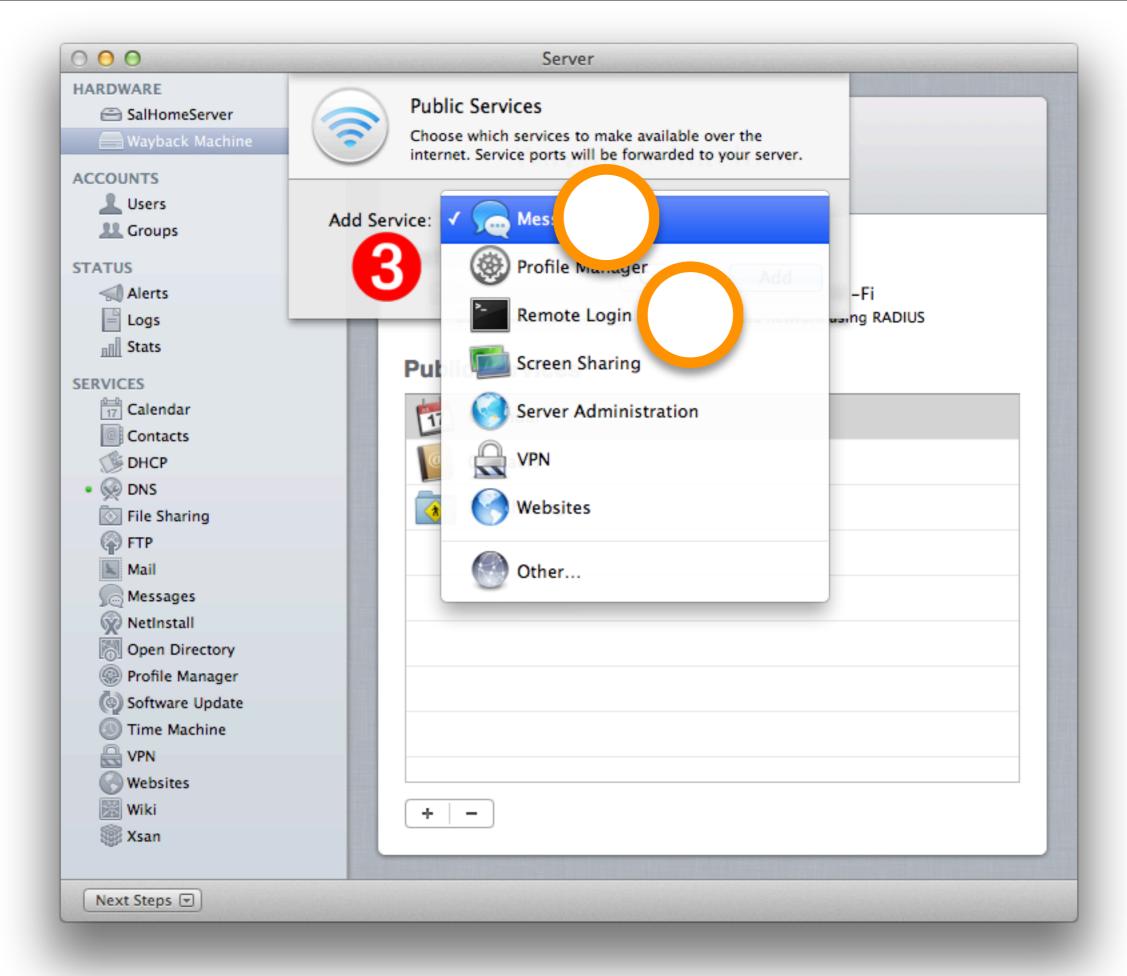


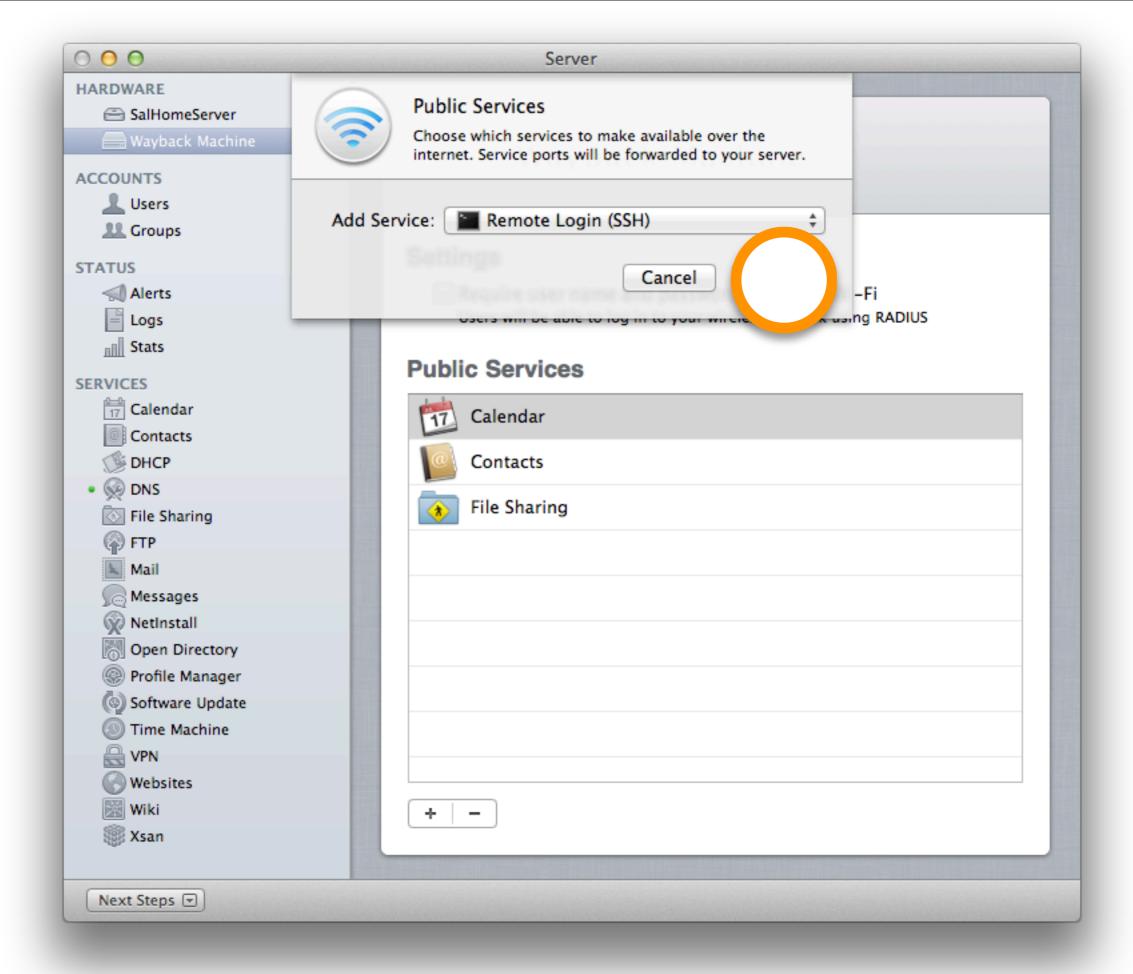


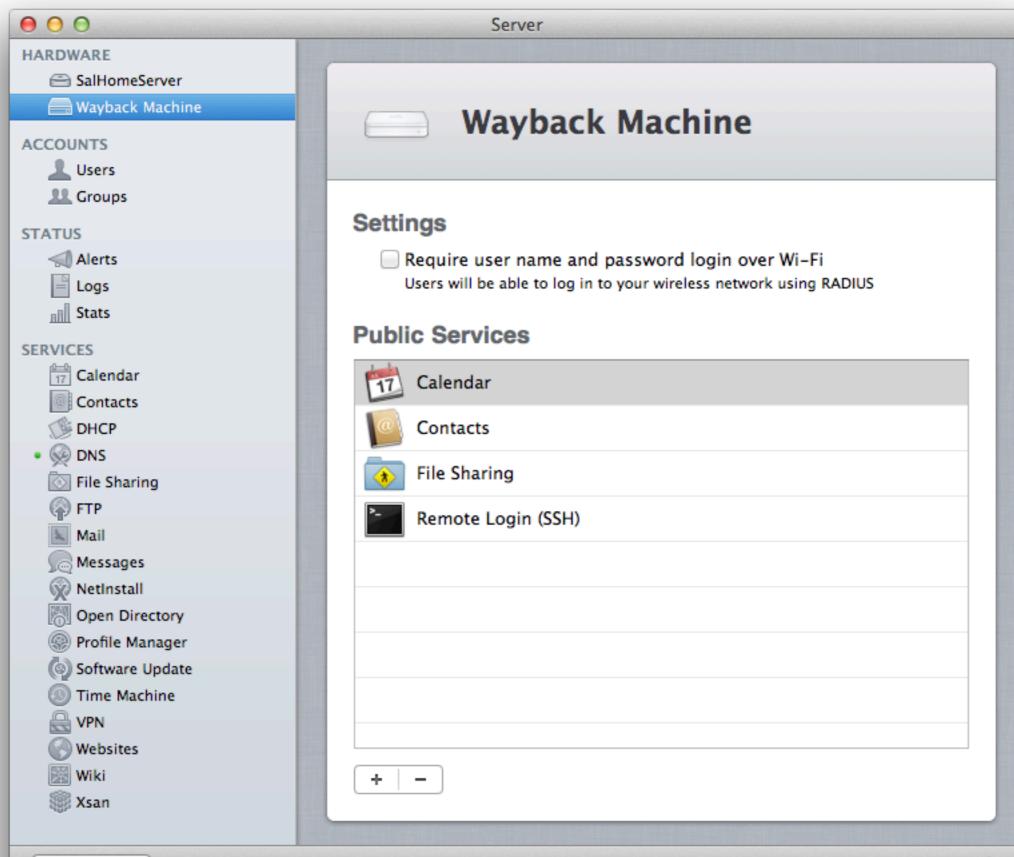
Base Station

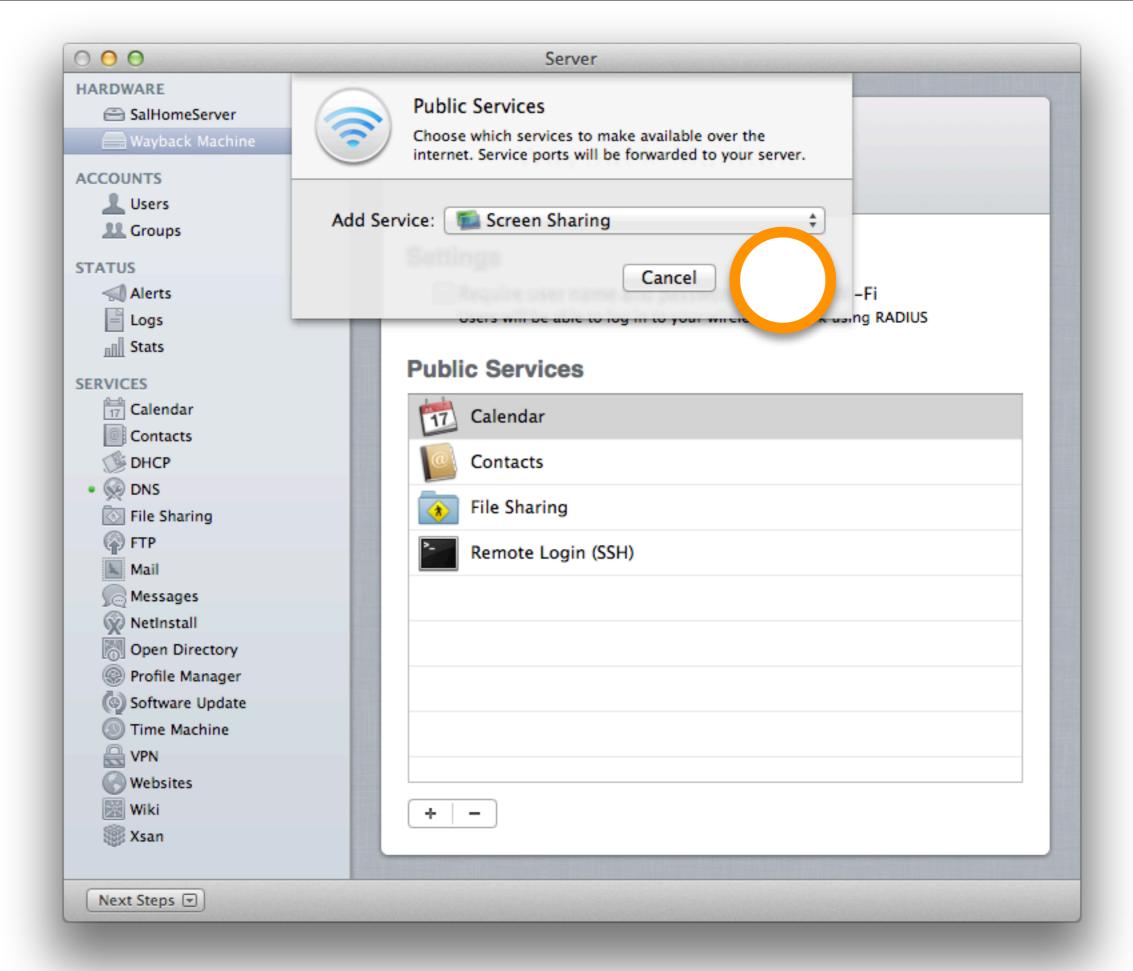








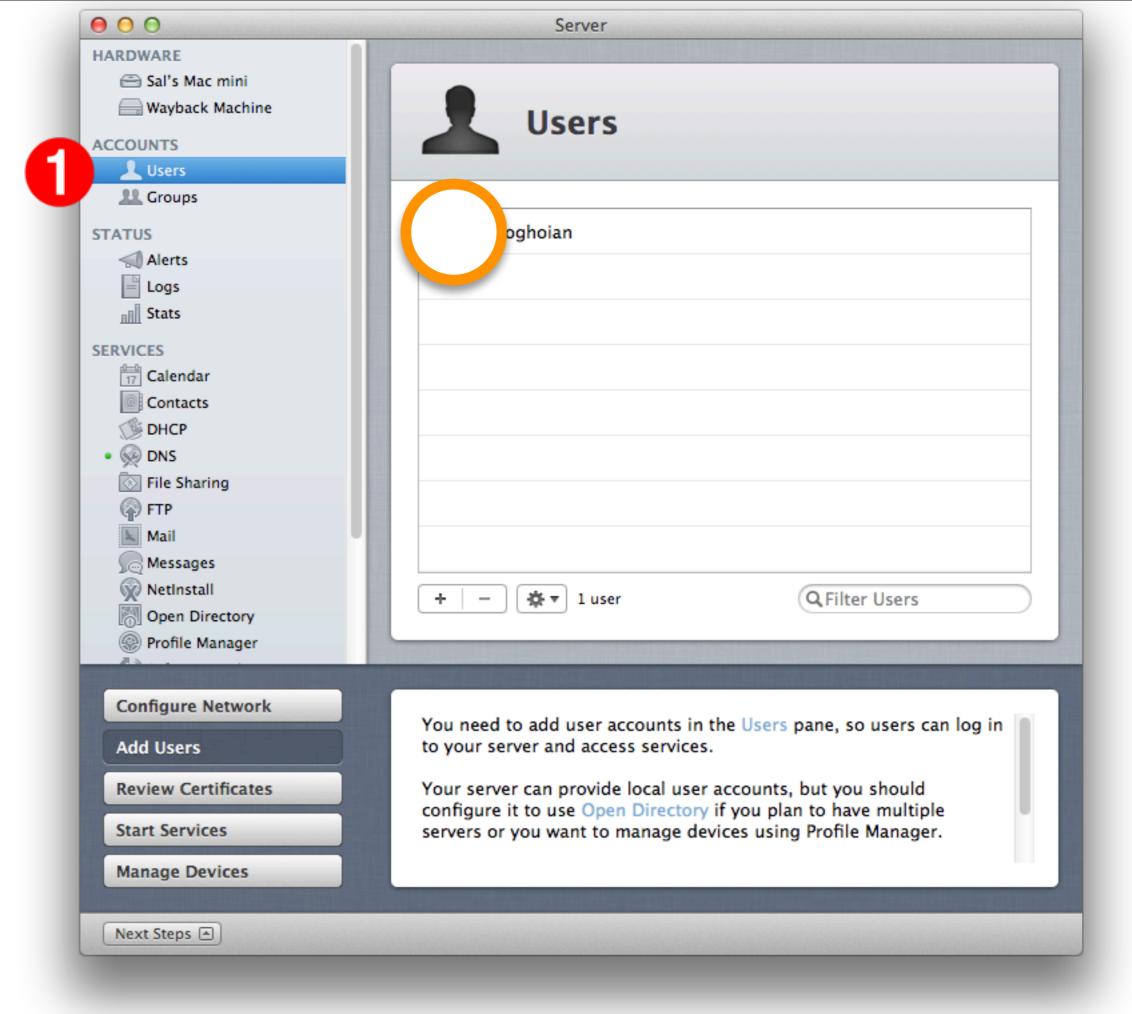






Users



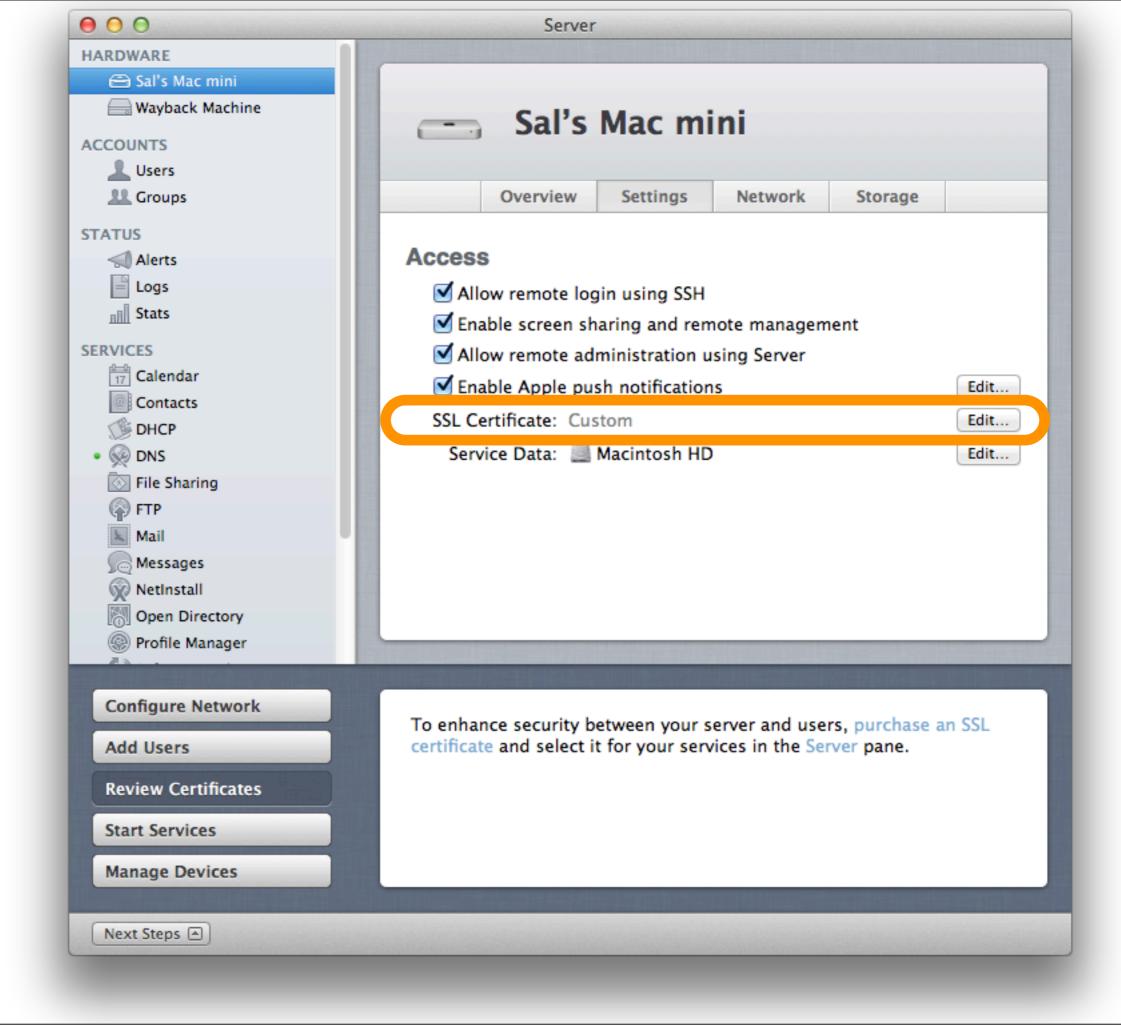




Server Settings









http://yourhomeserver.com



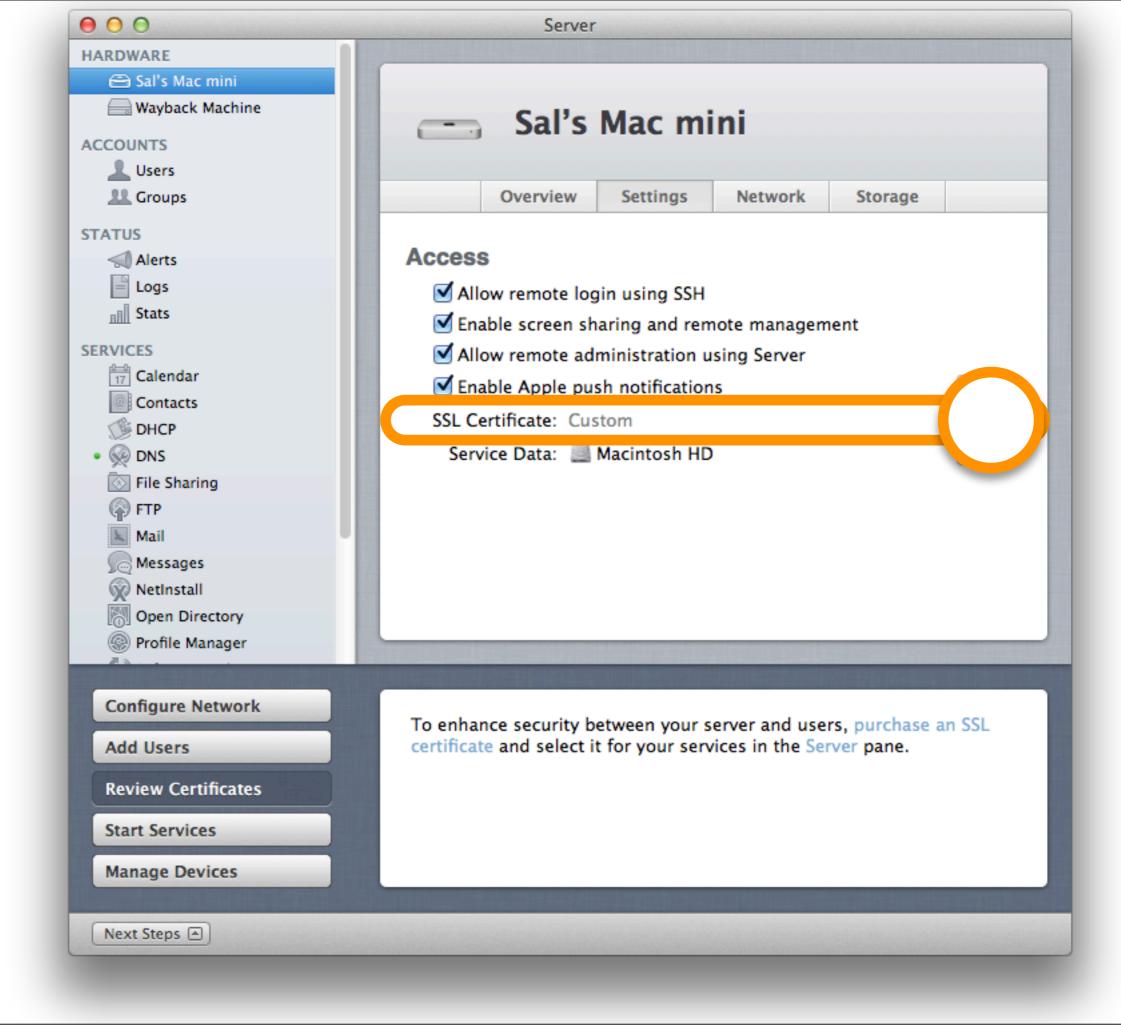
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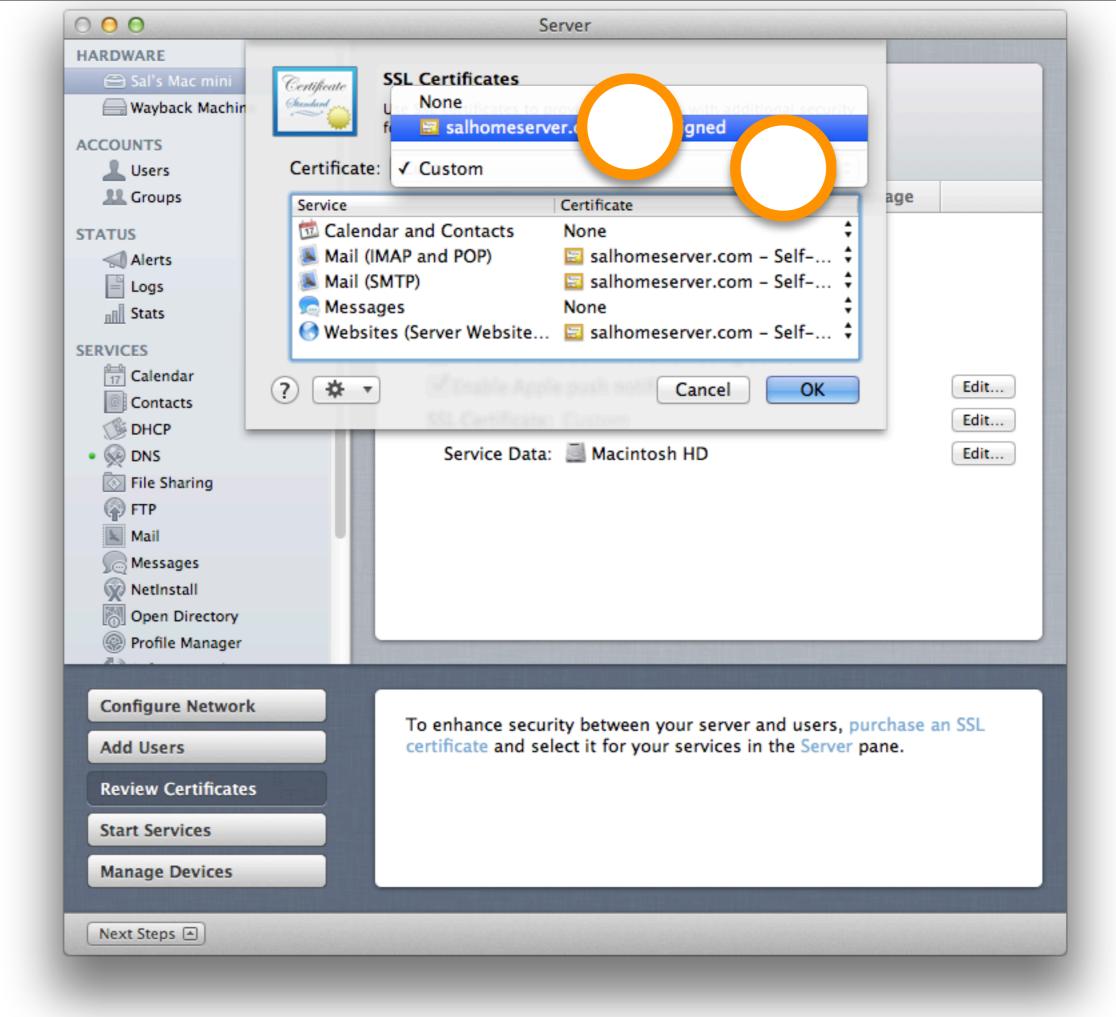


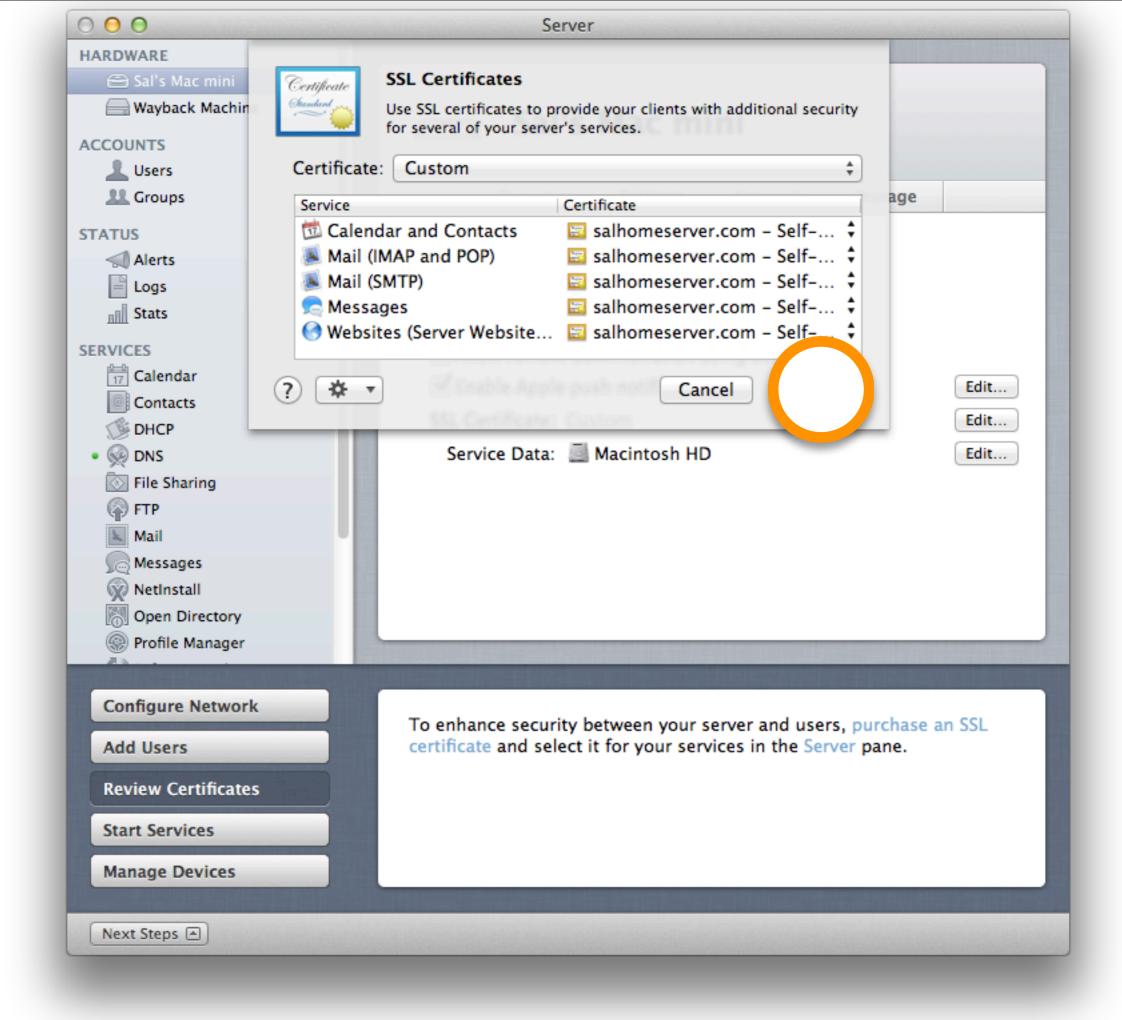
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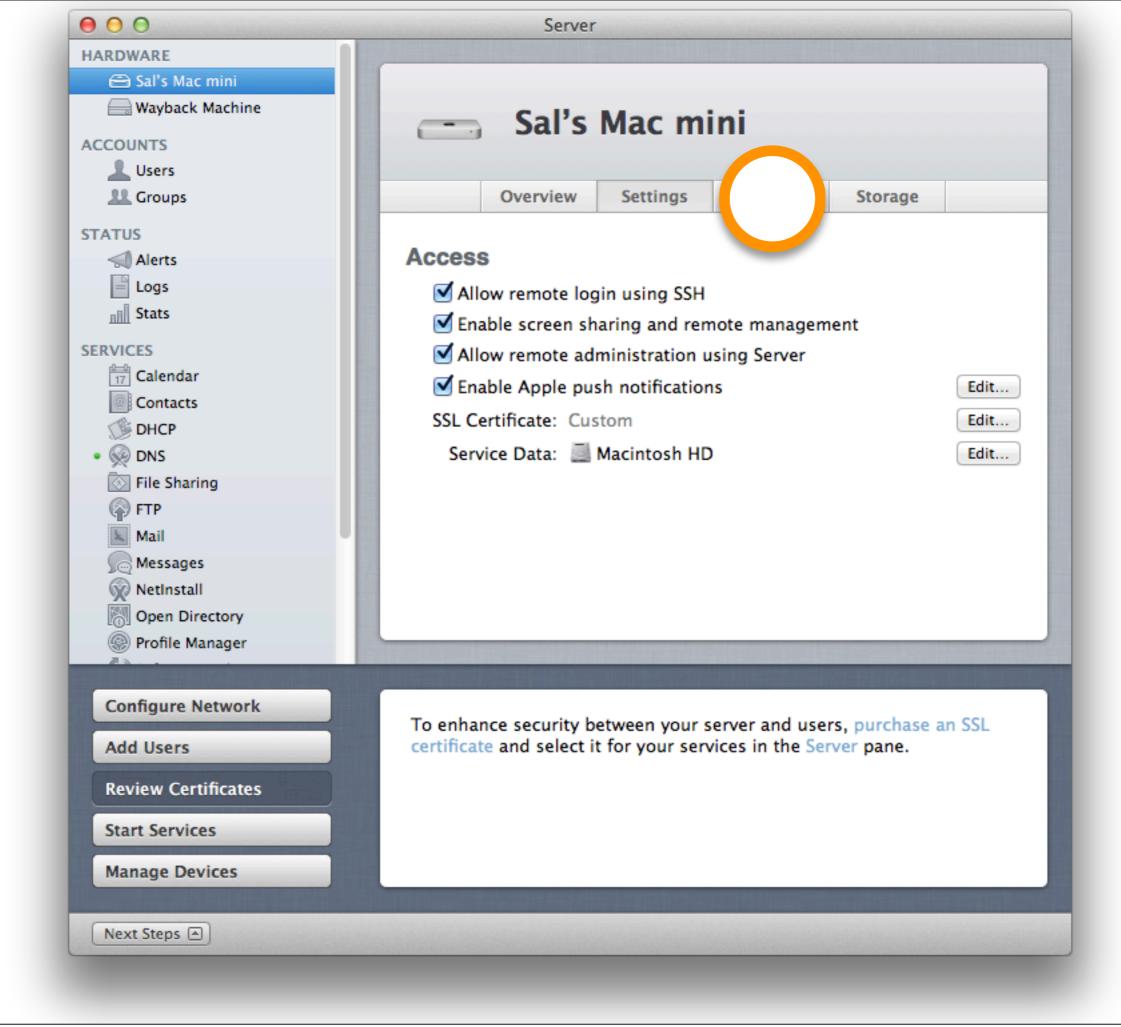


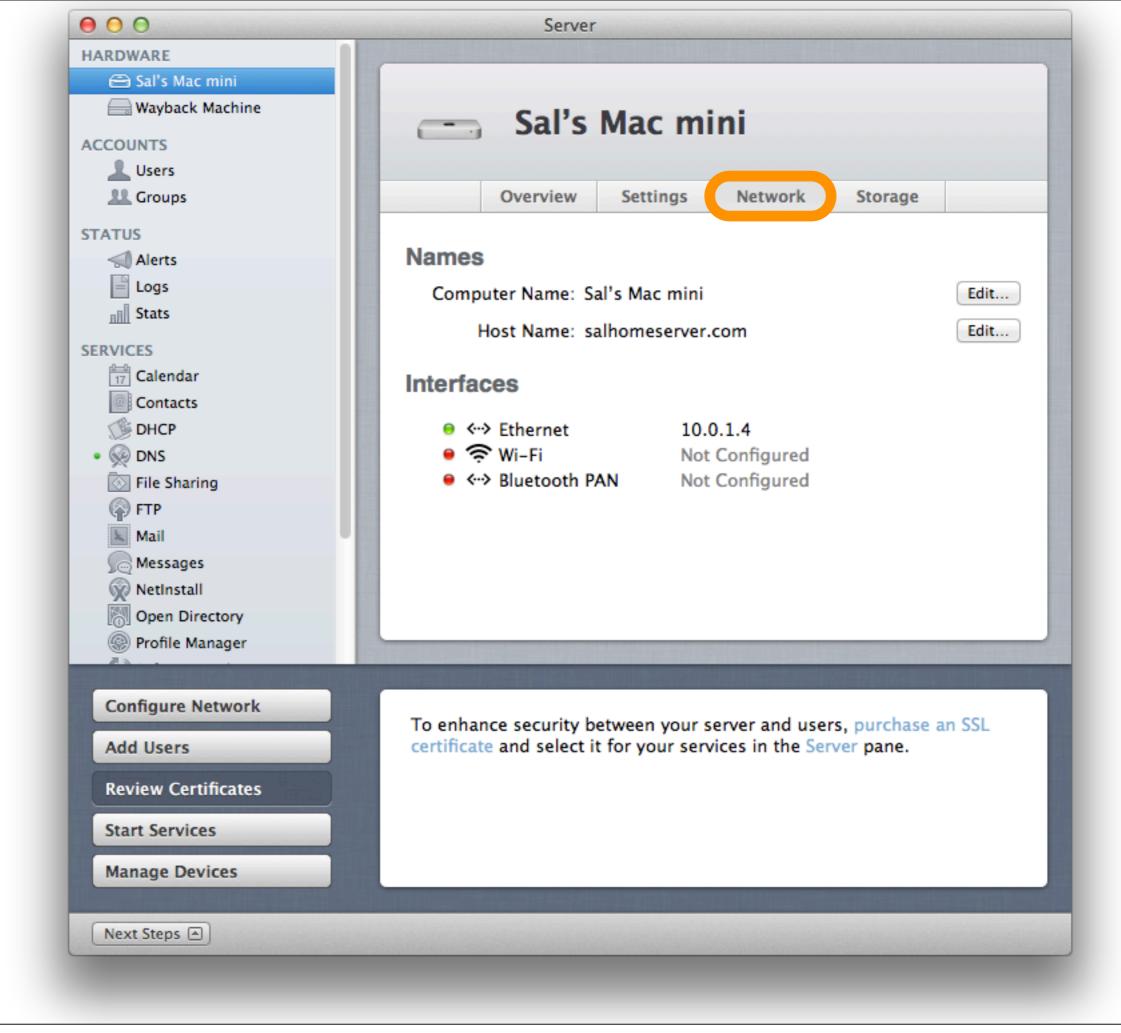
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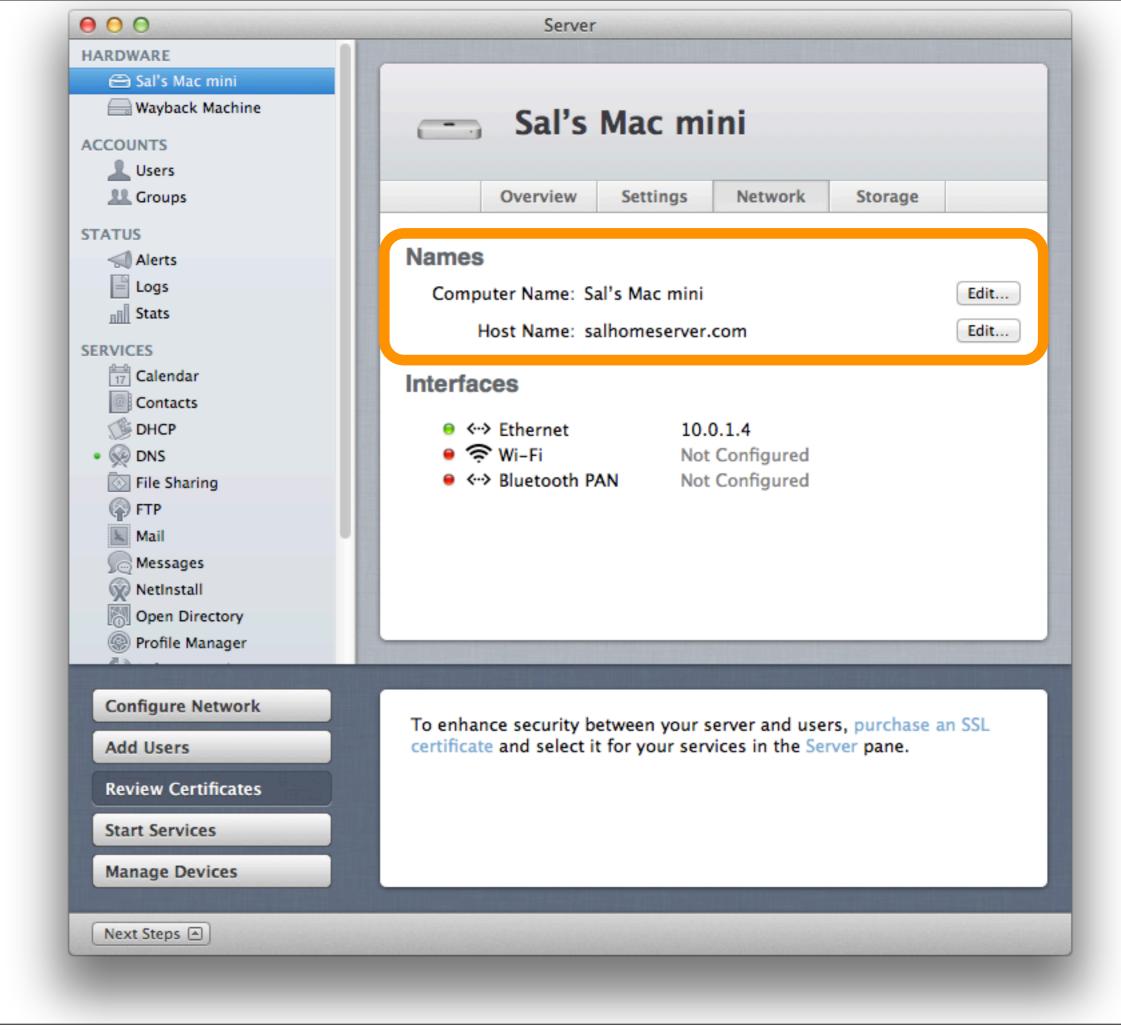


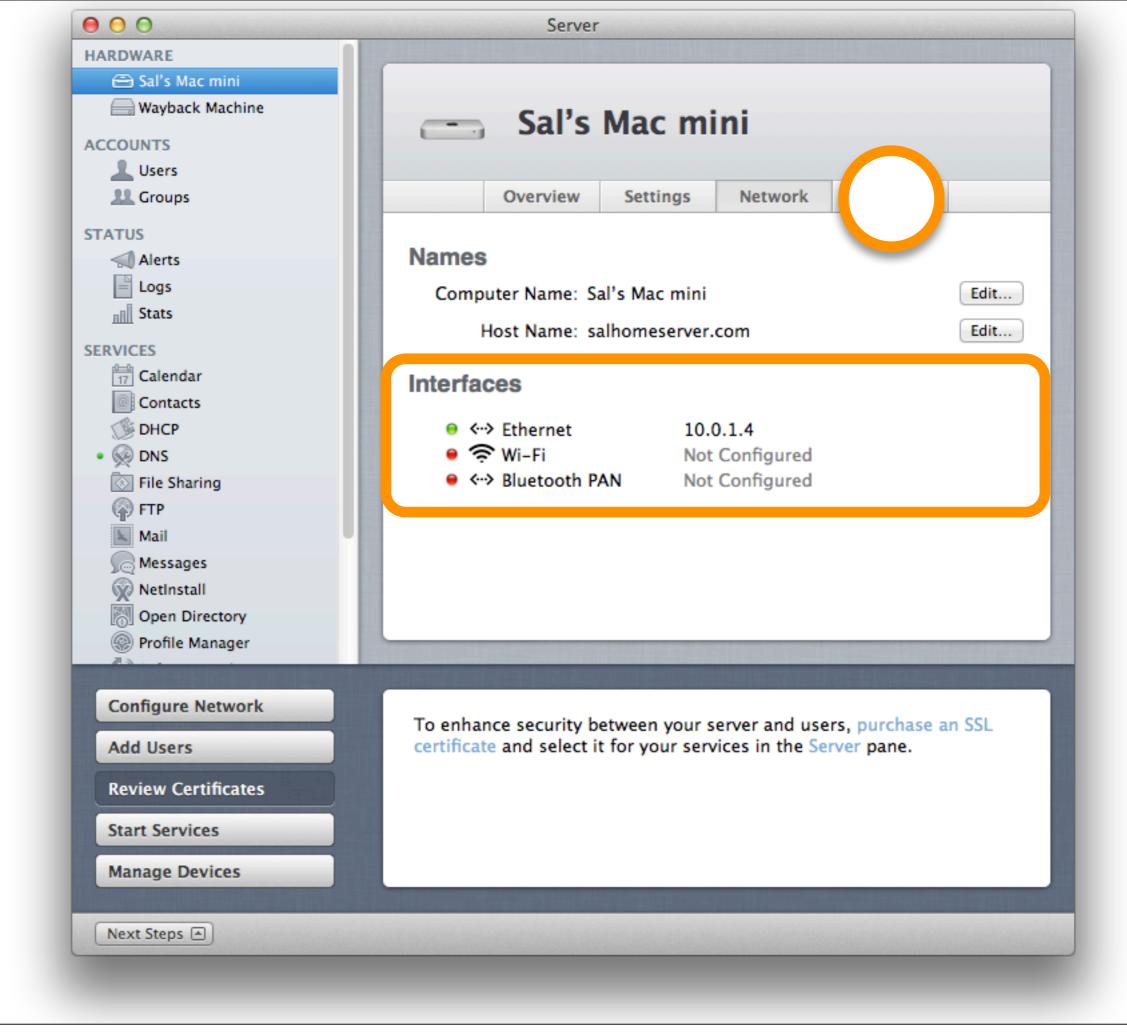


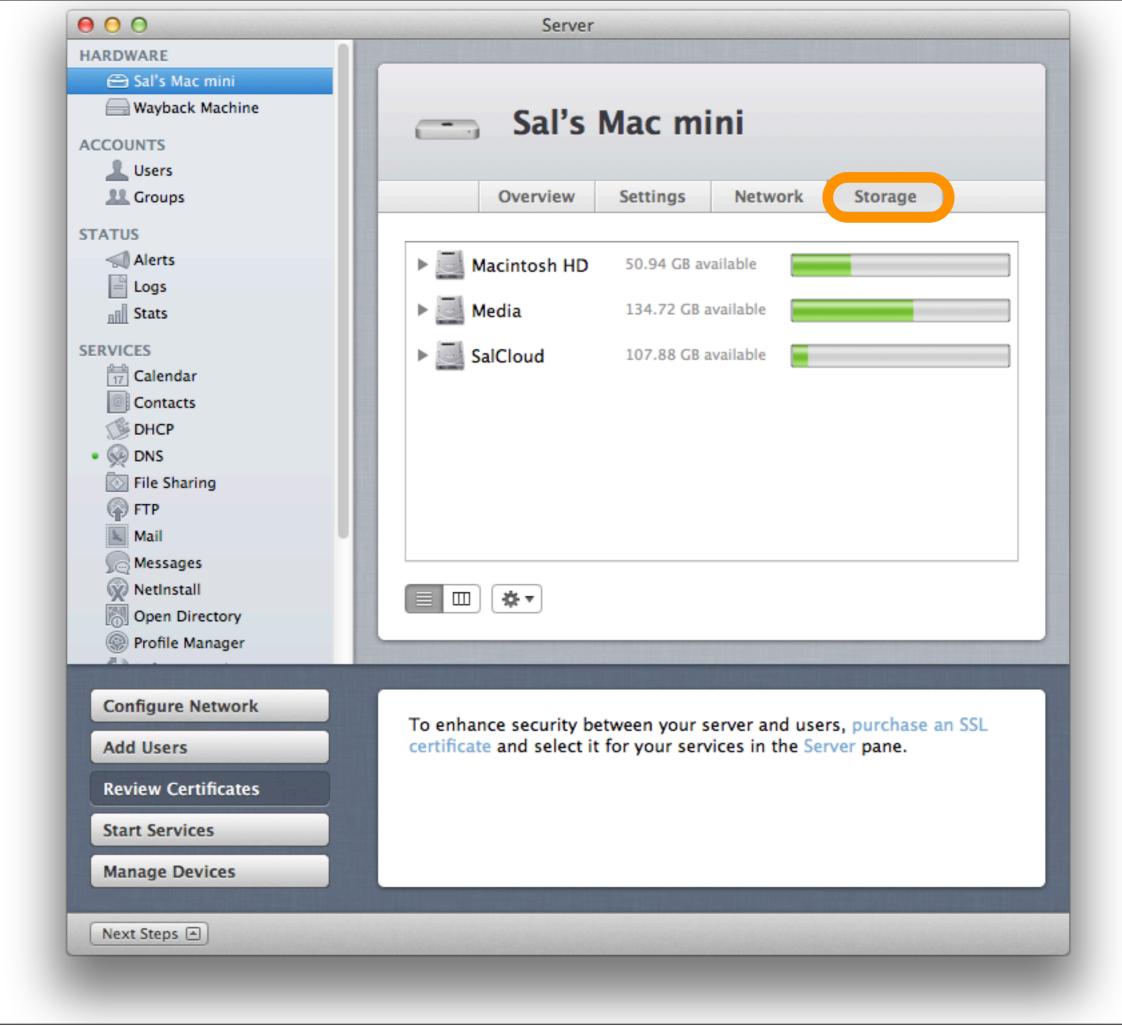


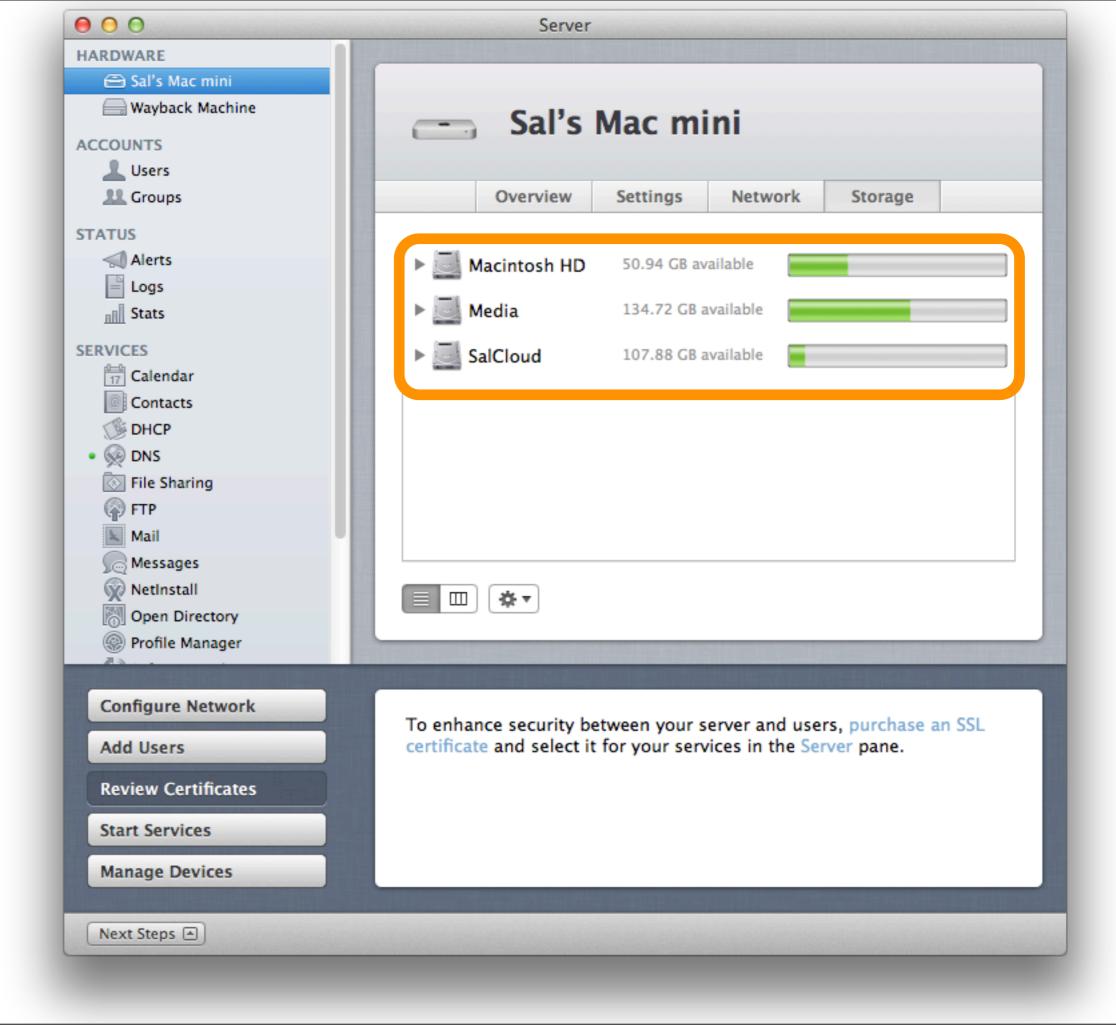






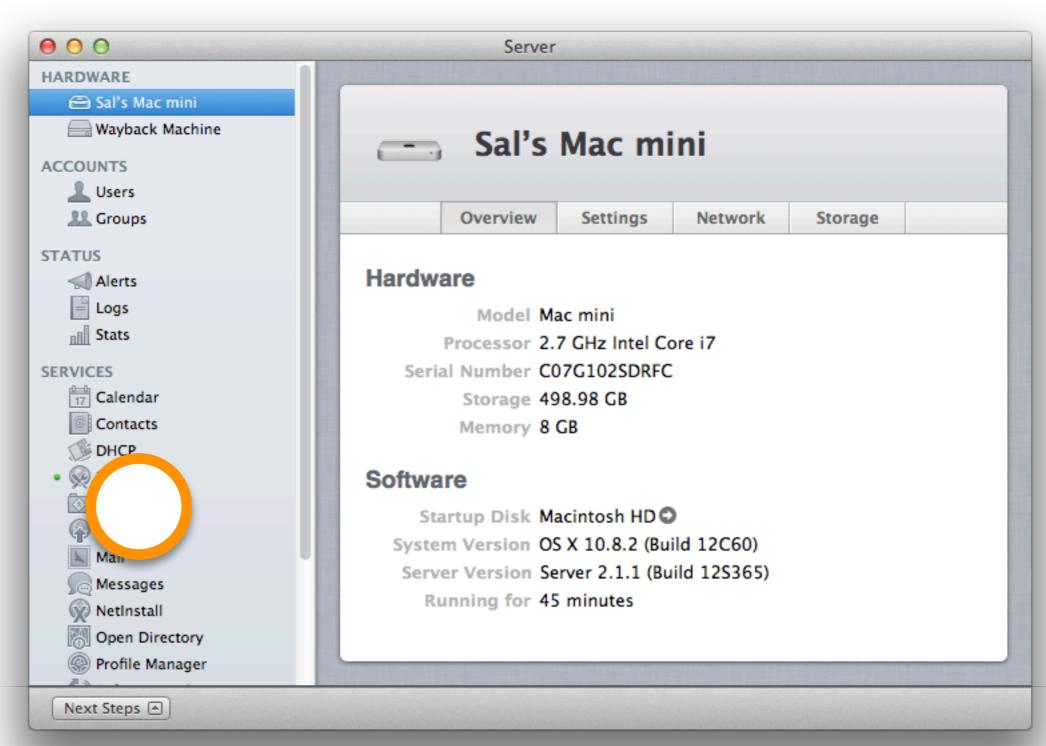


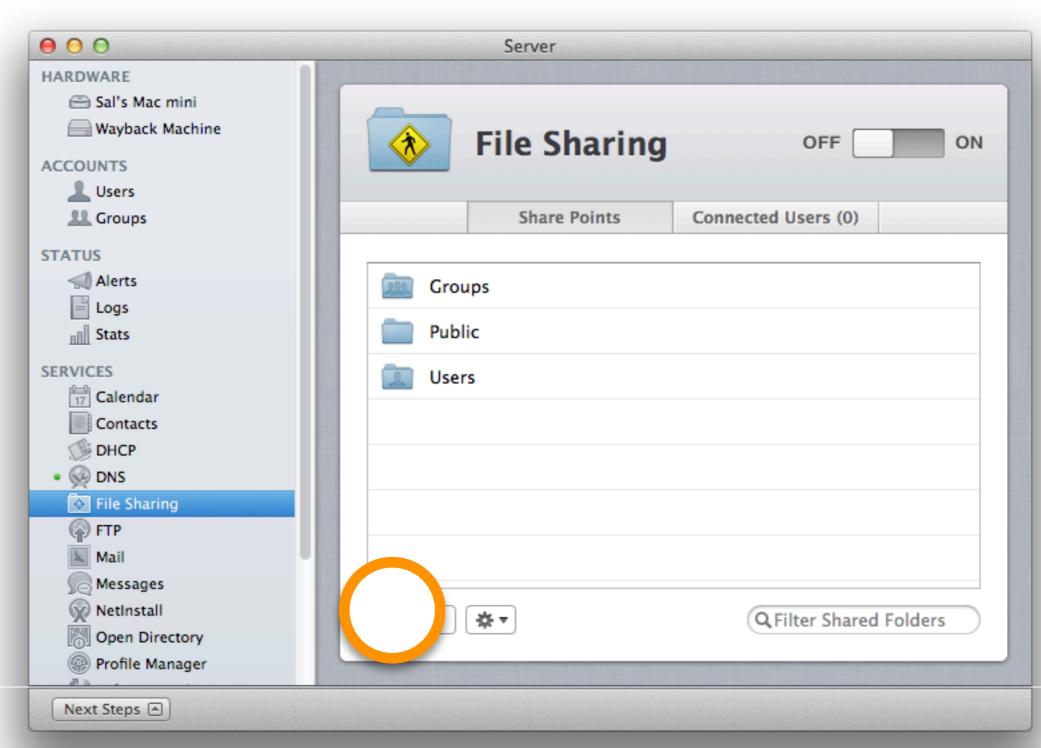


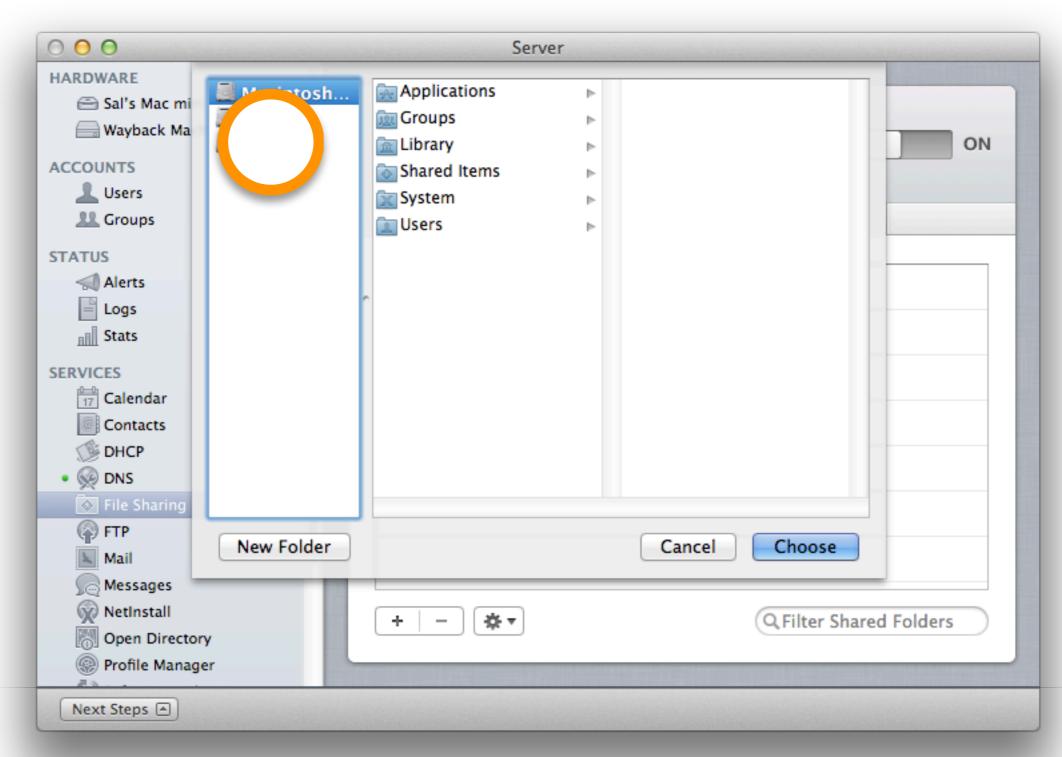


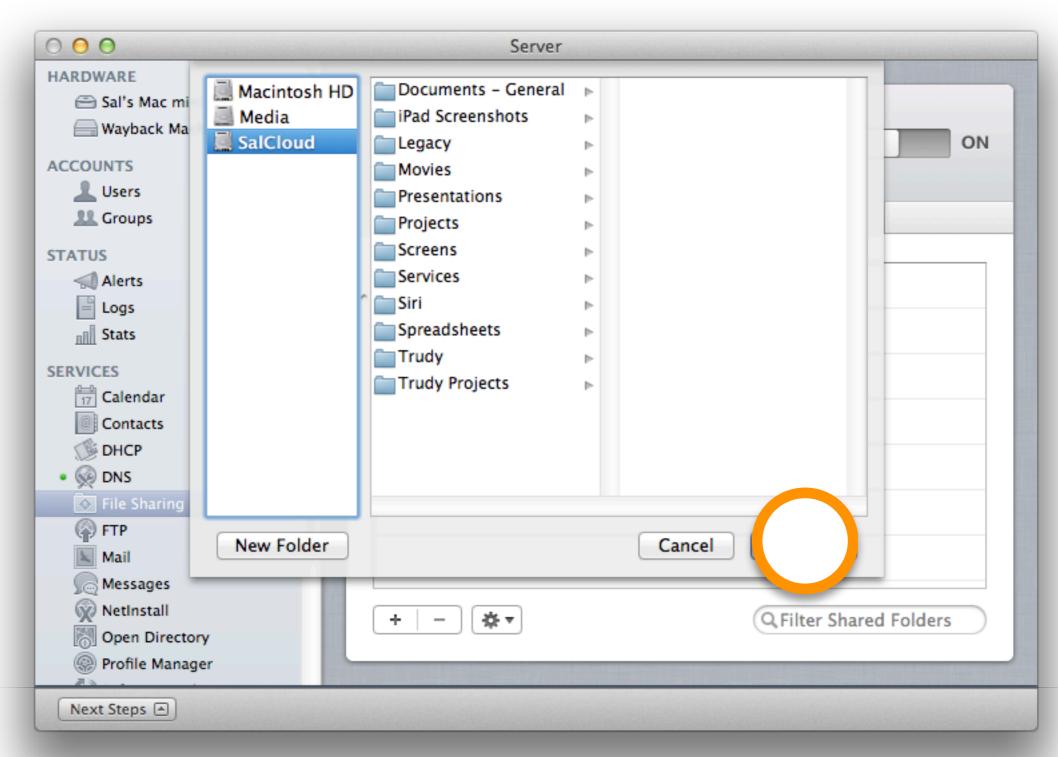
Server Services

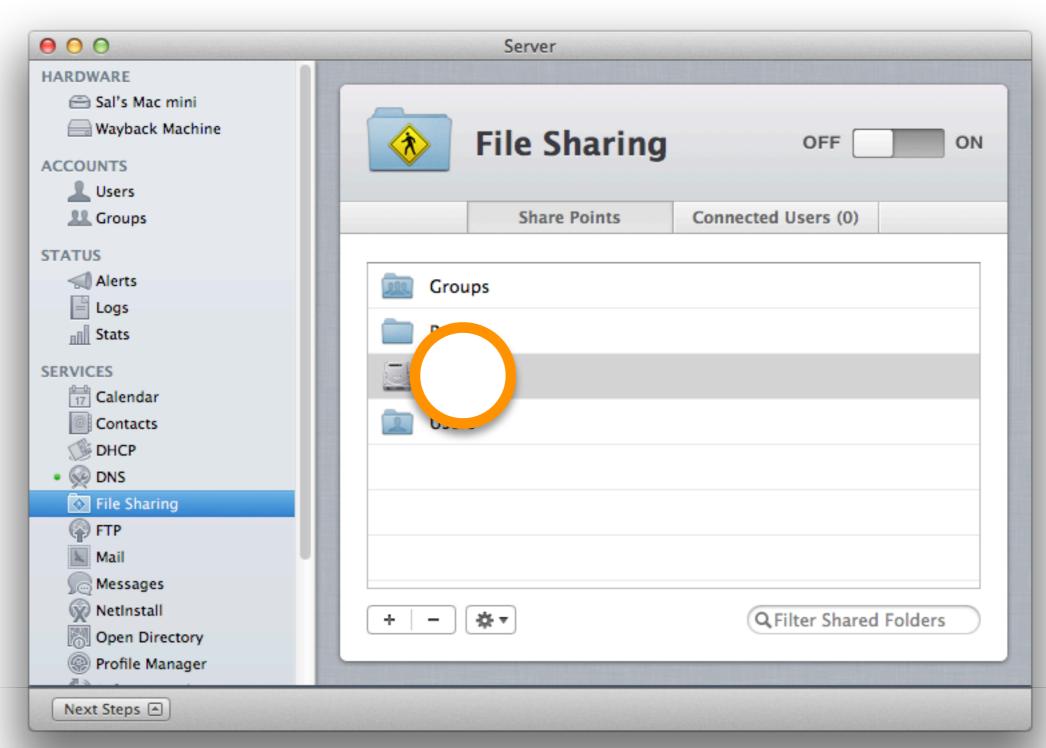




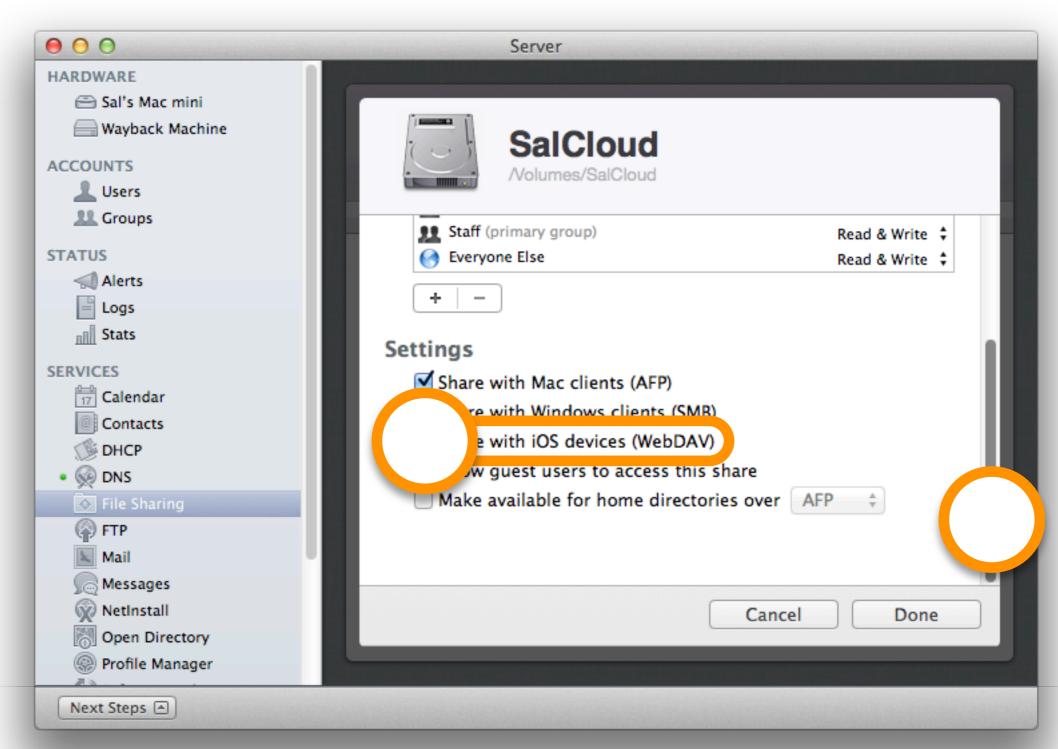


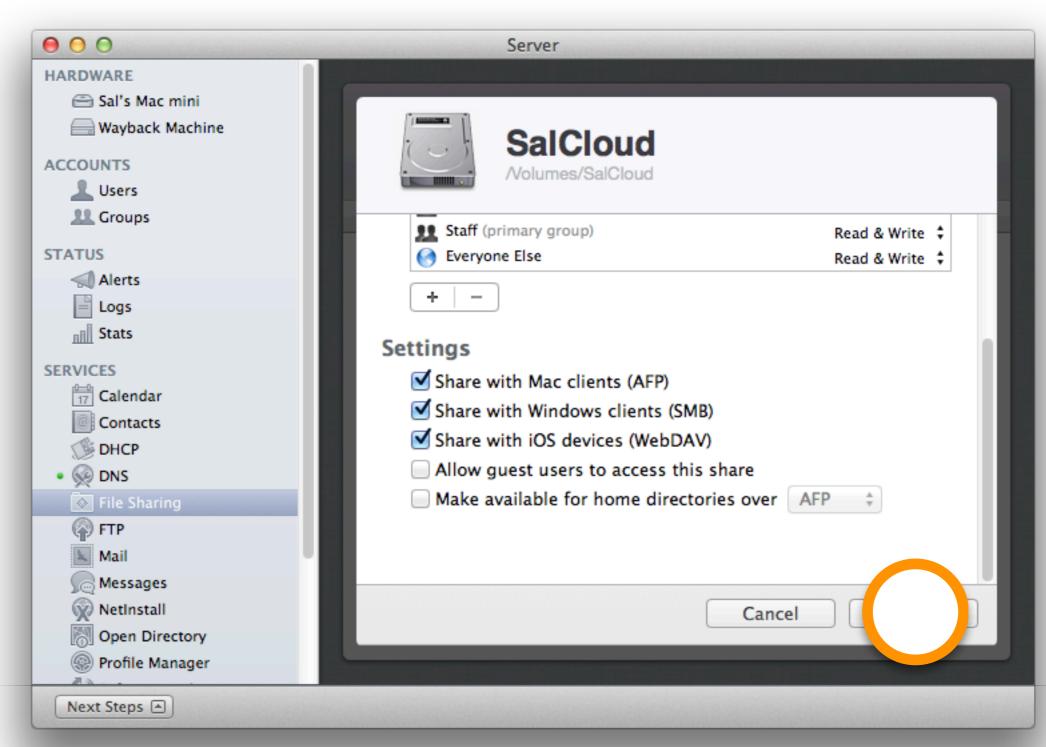


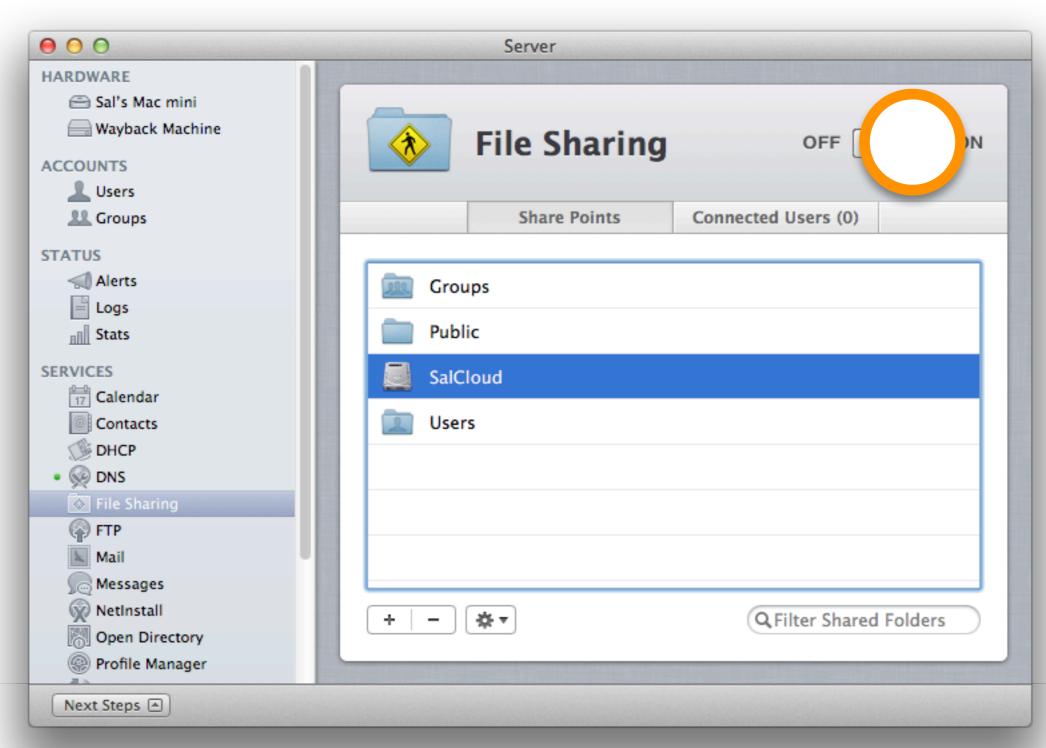


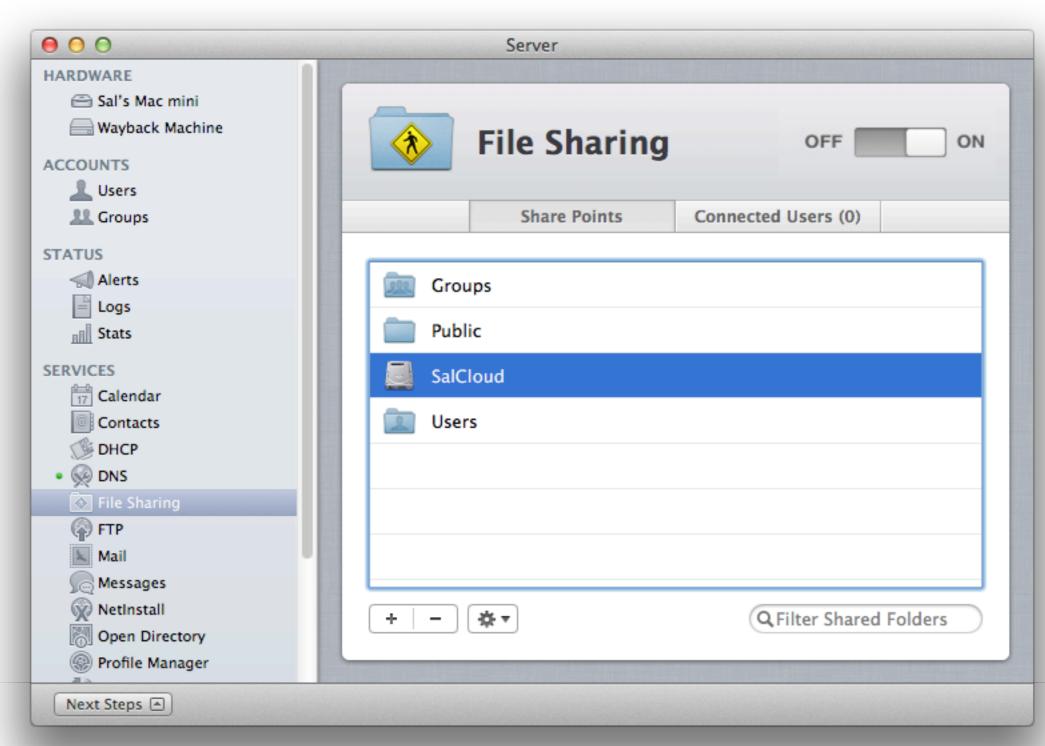




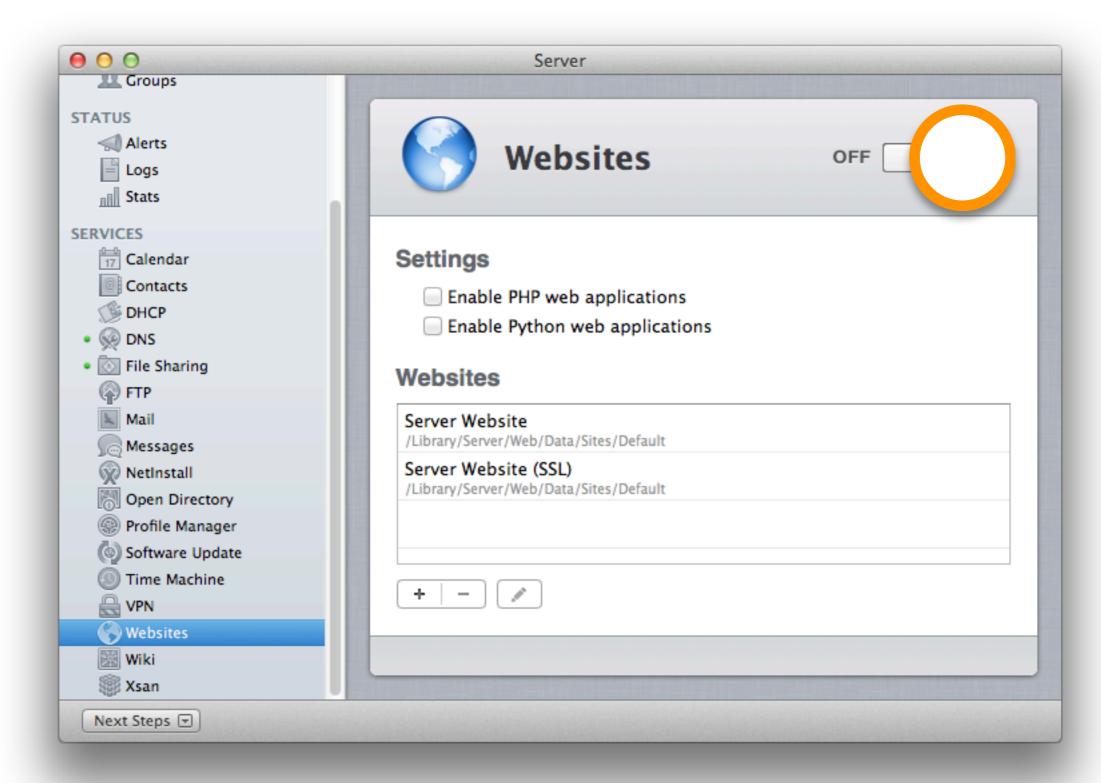




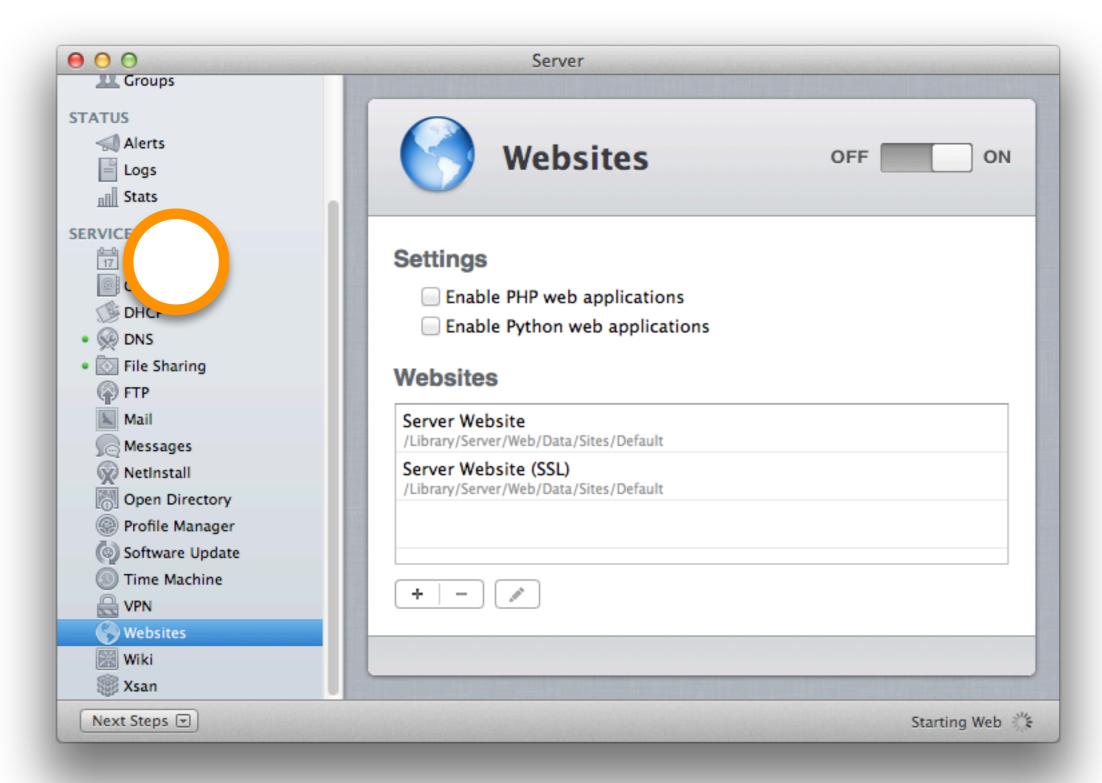




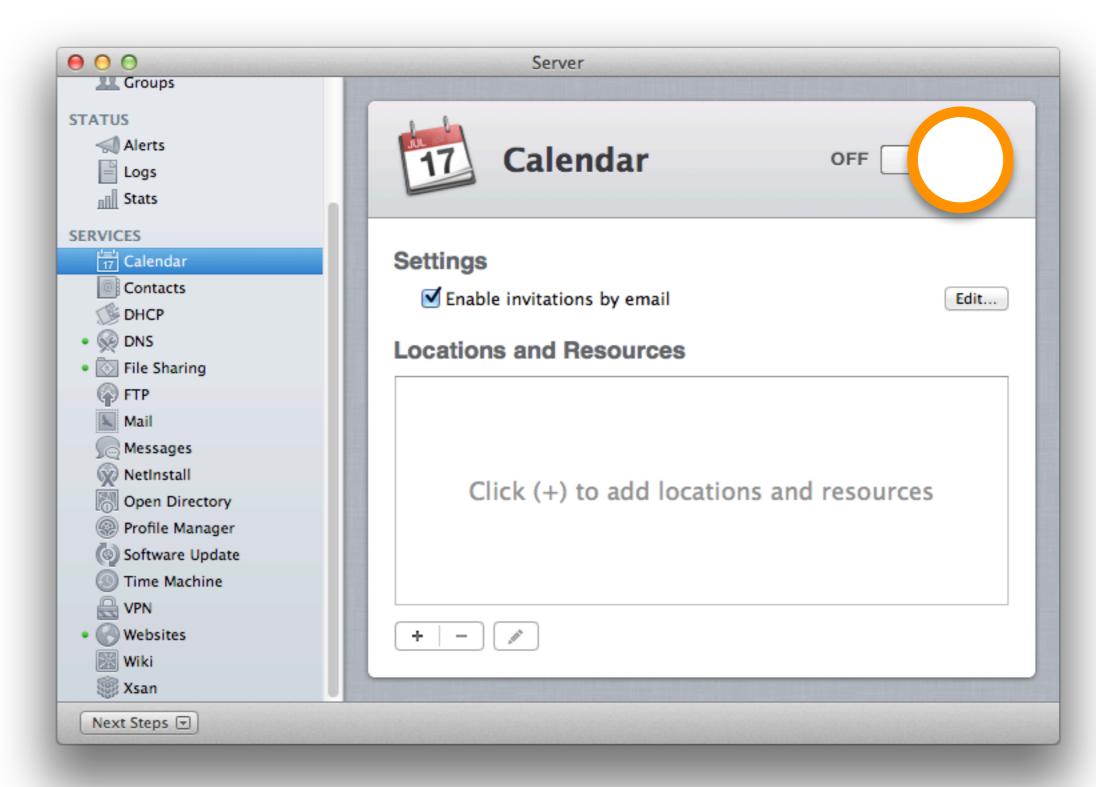
Websites



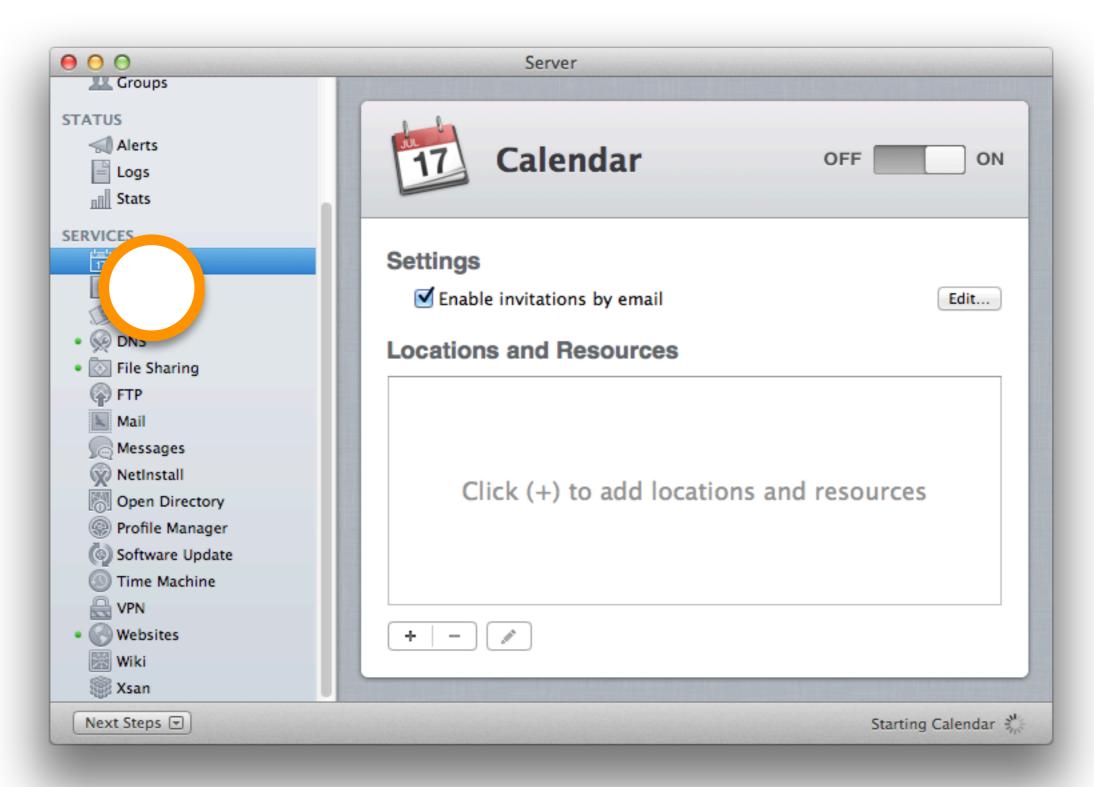
Websites



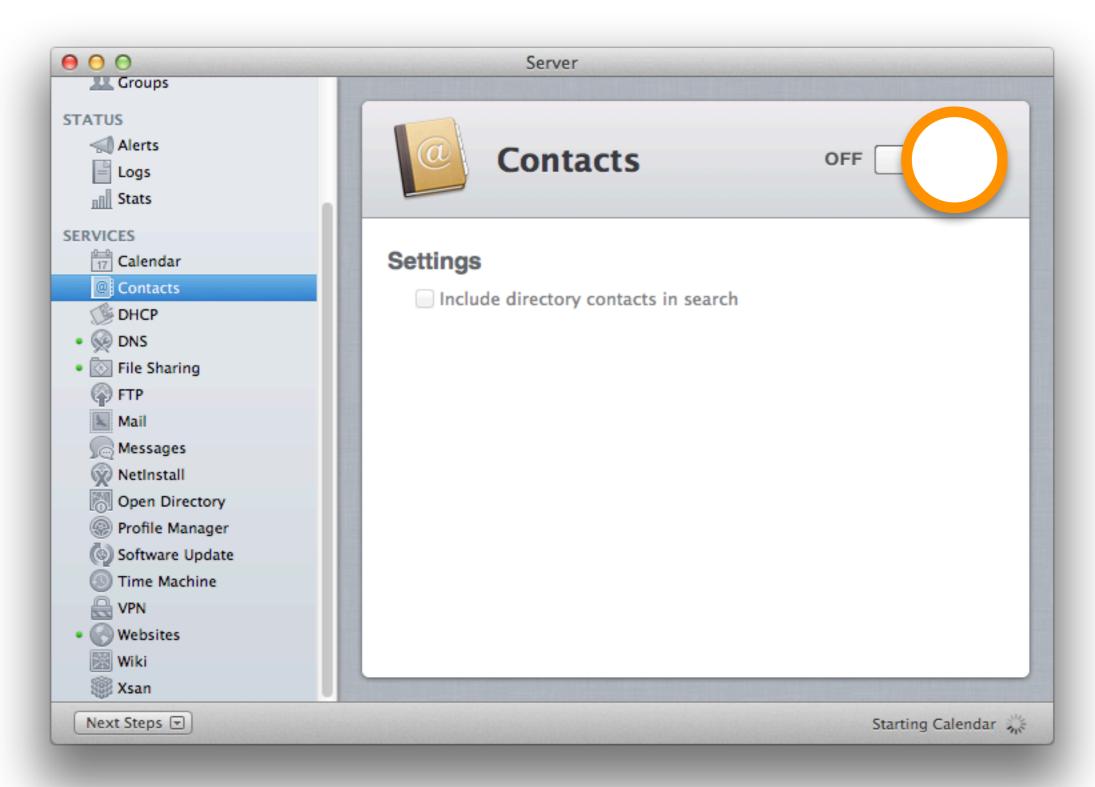
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Calendar

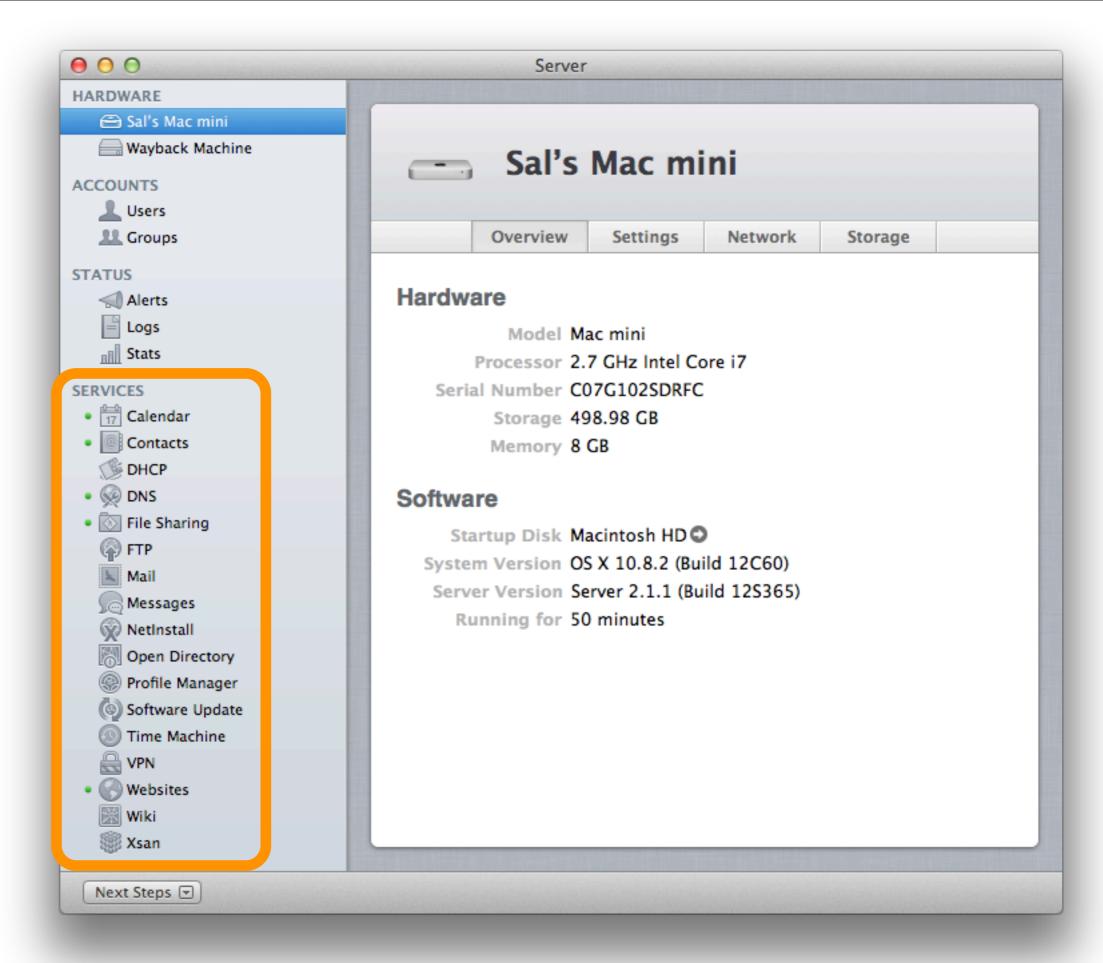


Contacts



Contacts











System Setup

iCloud



iCloud

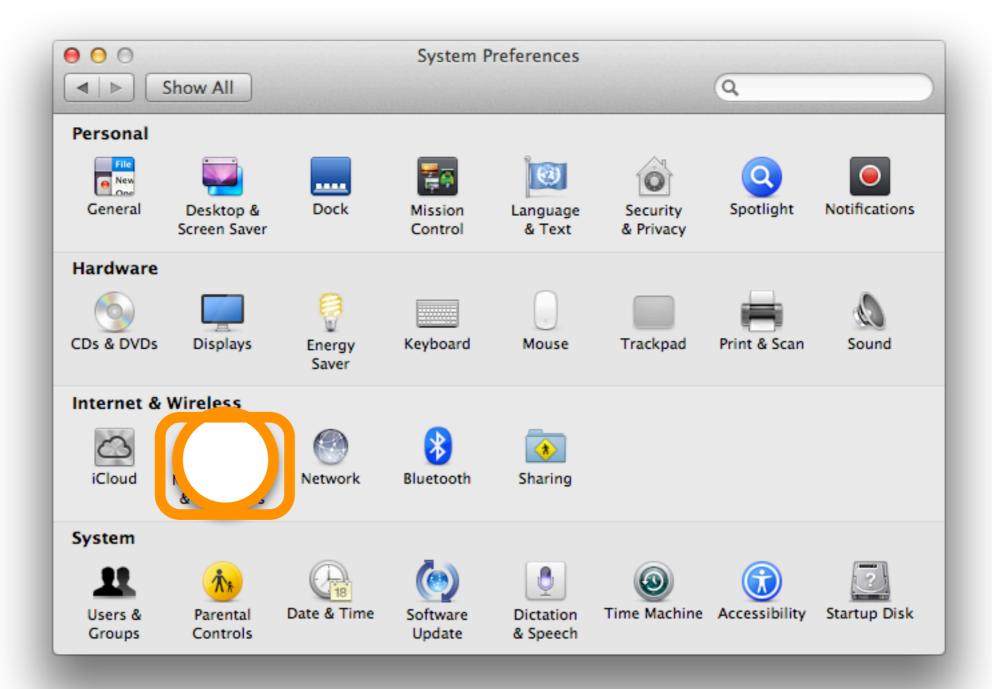


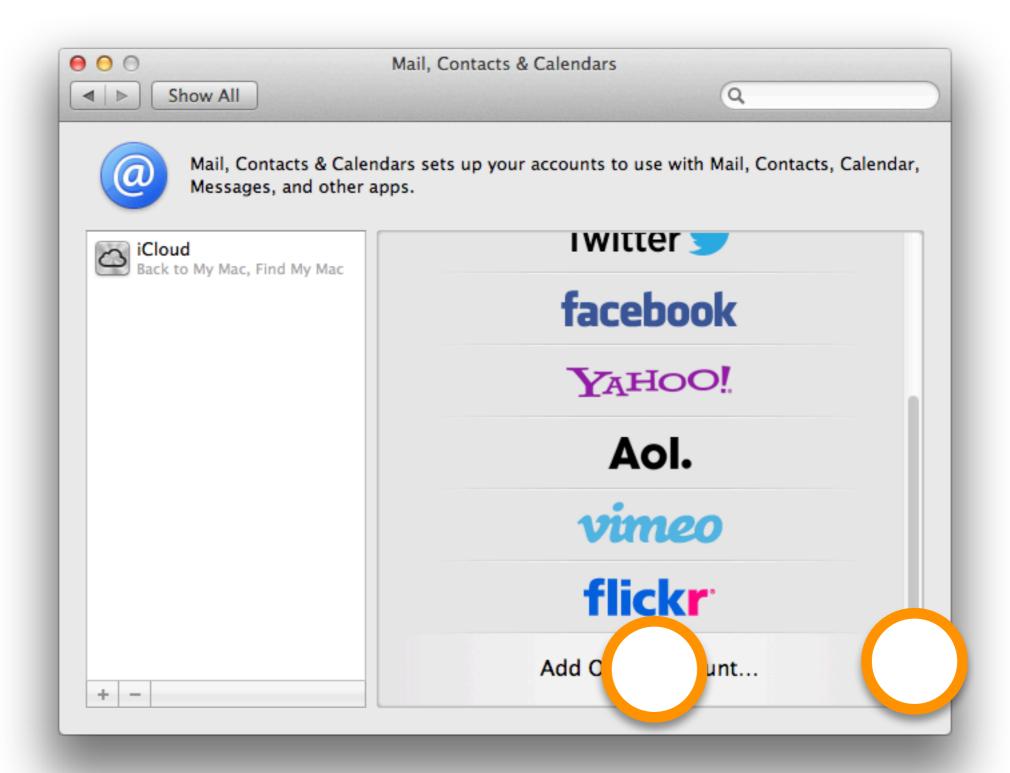
Back to My Mac

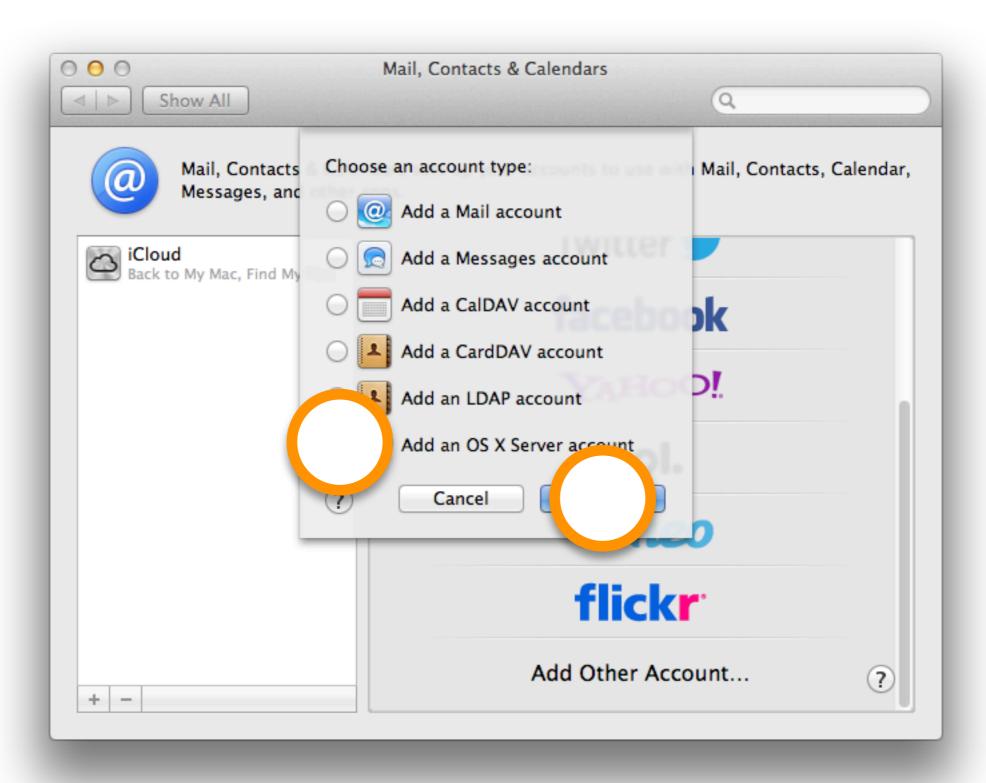


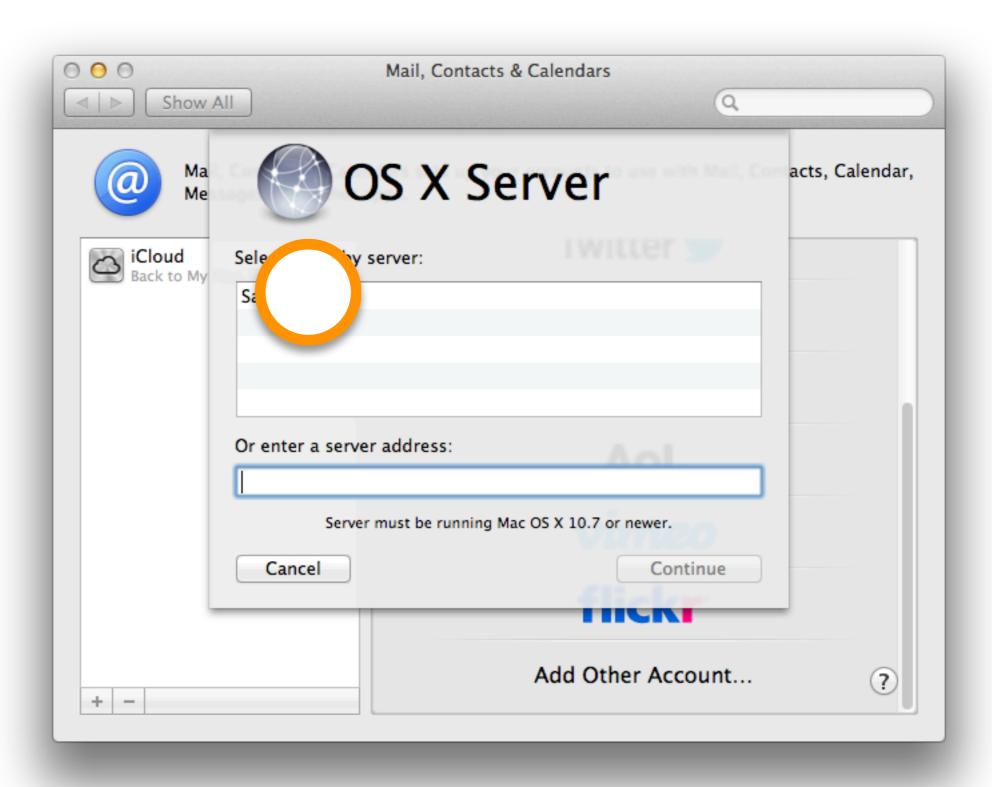
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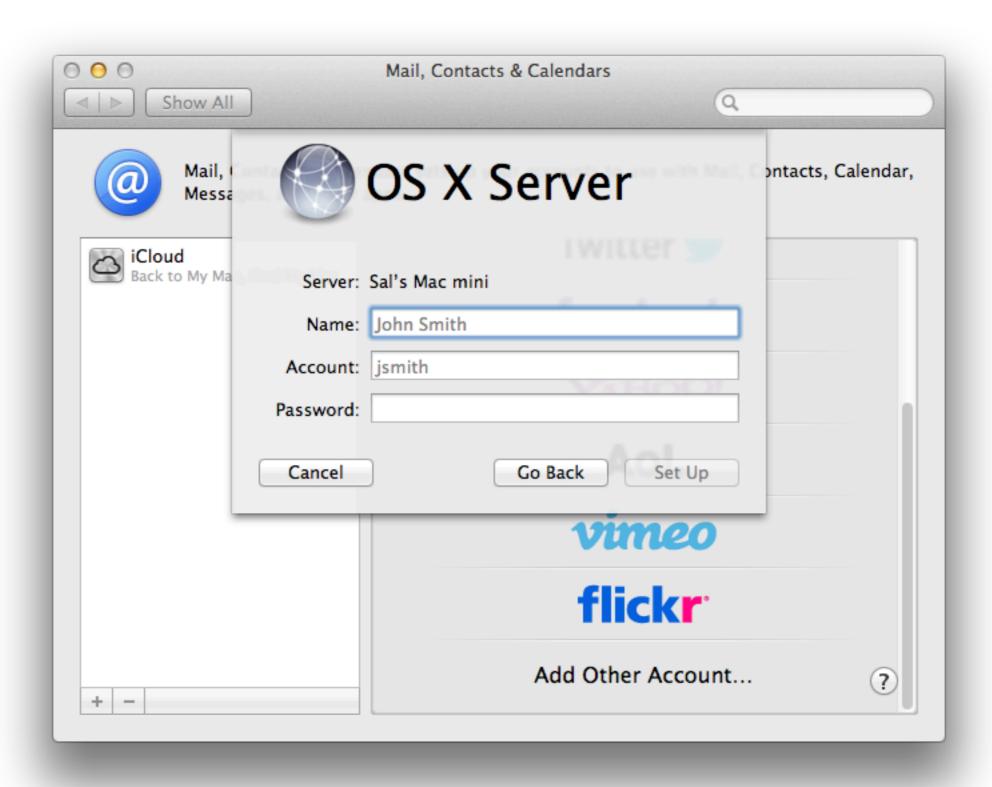


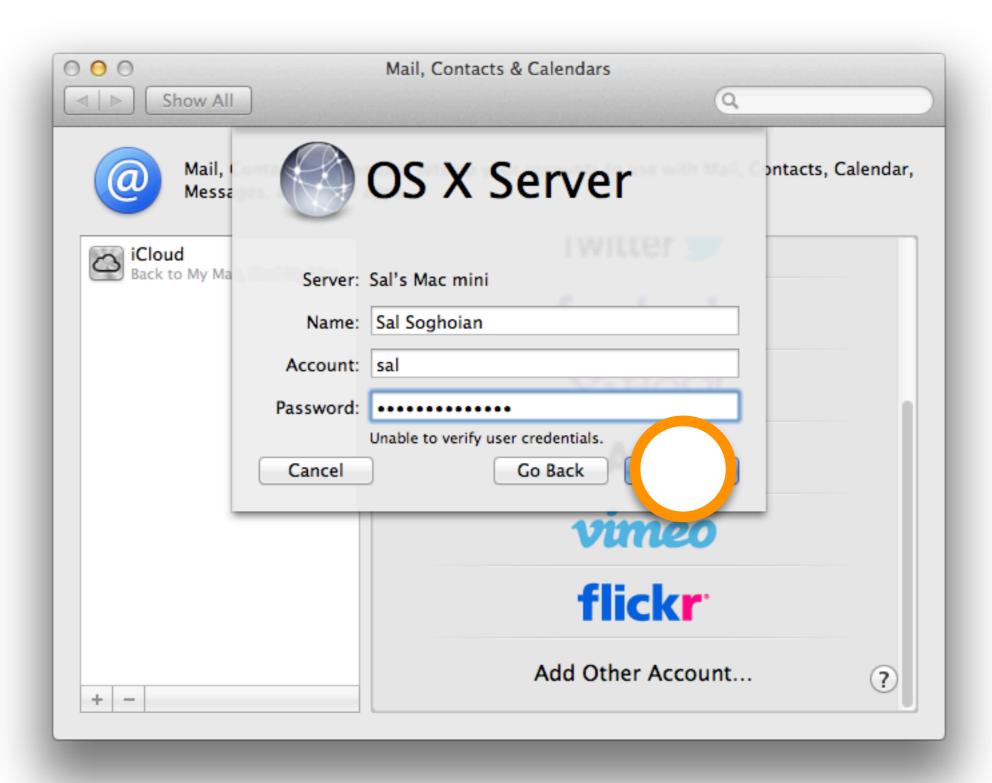














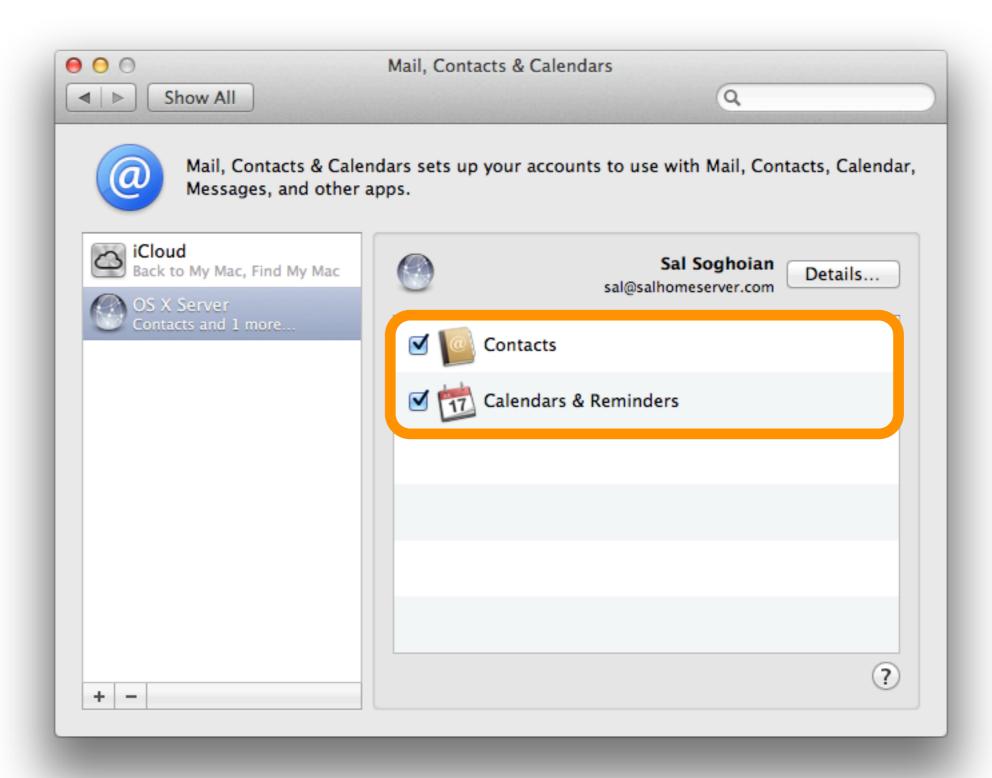




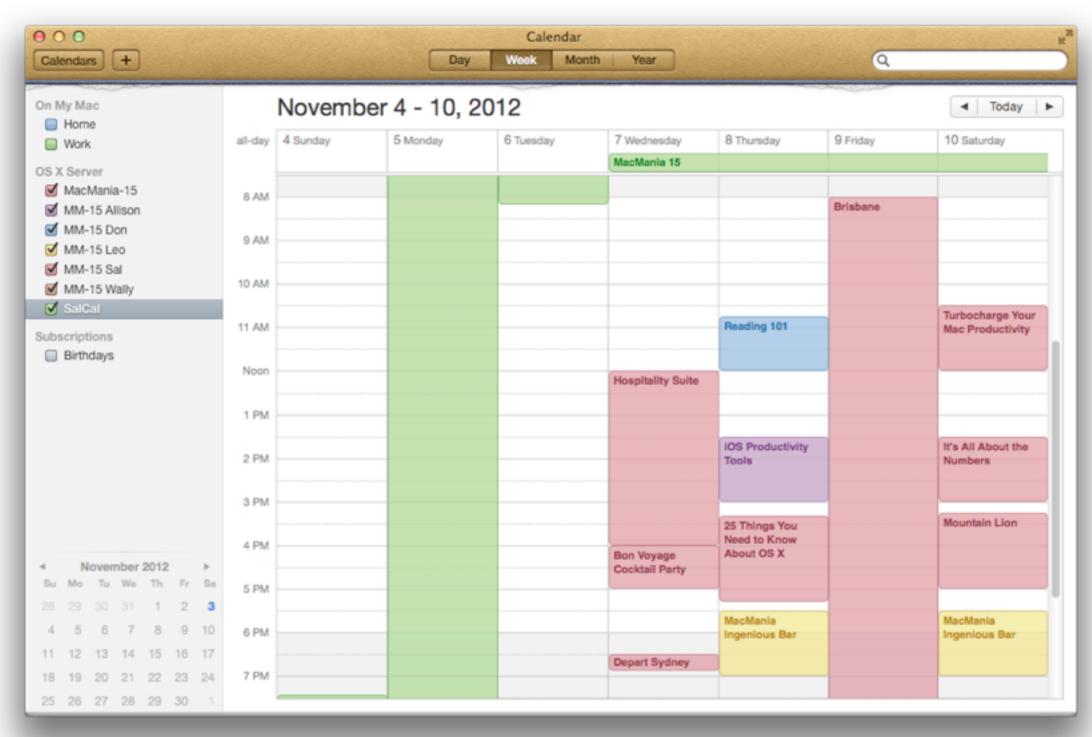


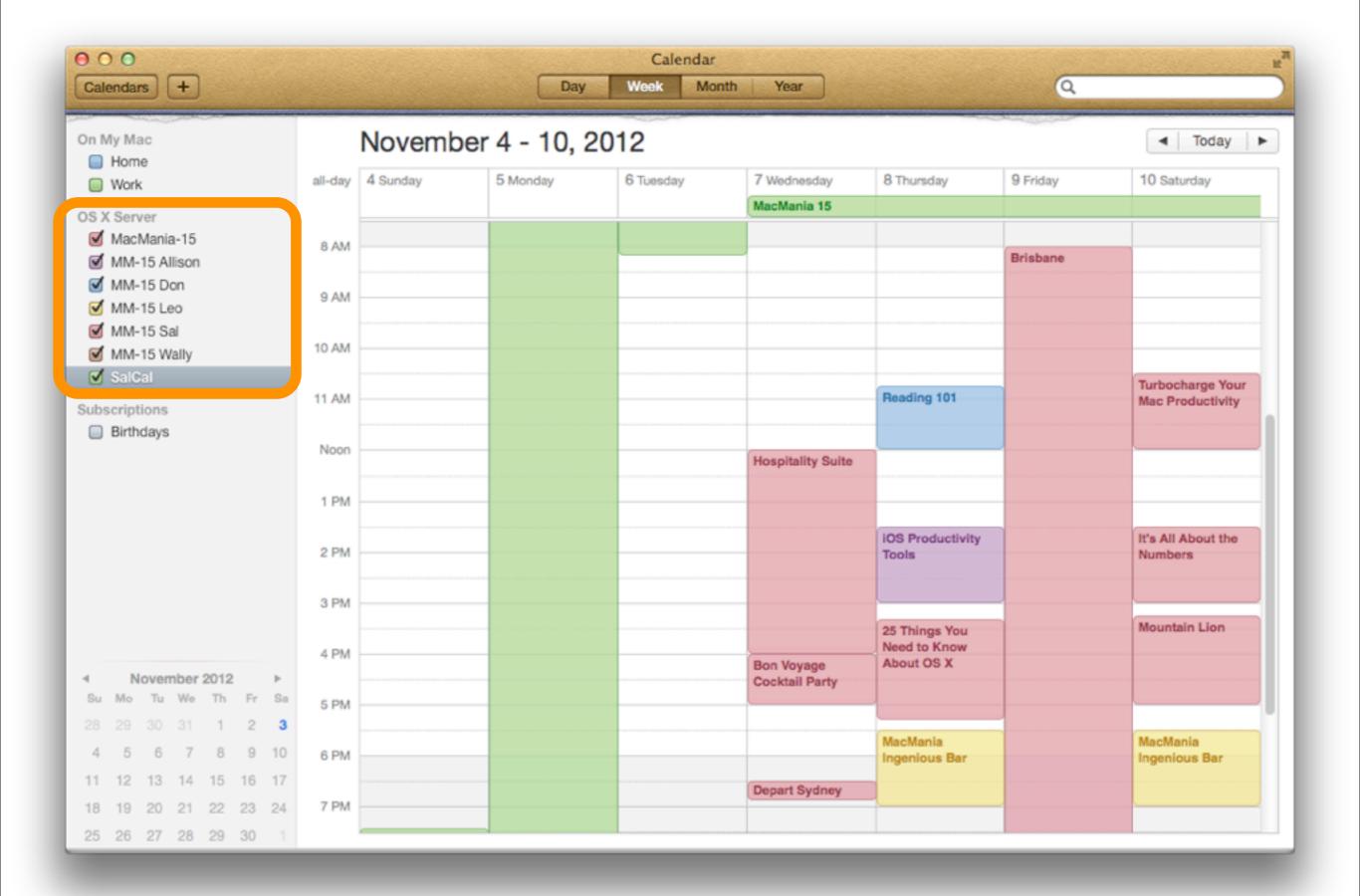


Contacts & Calendars



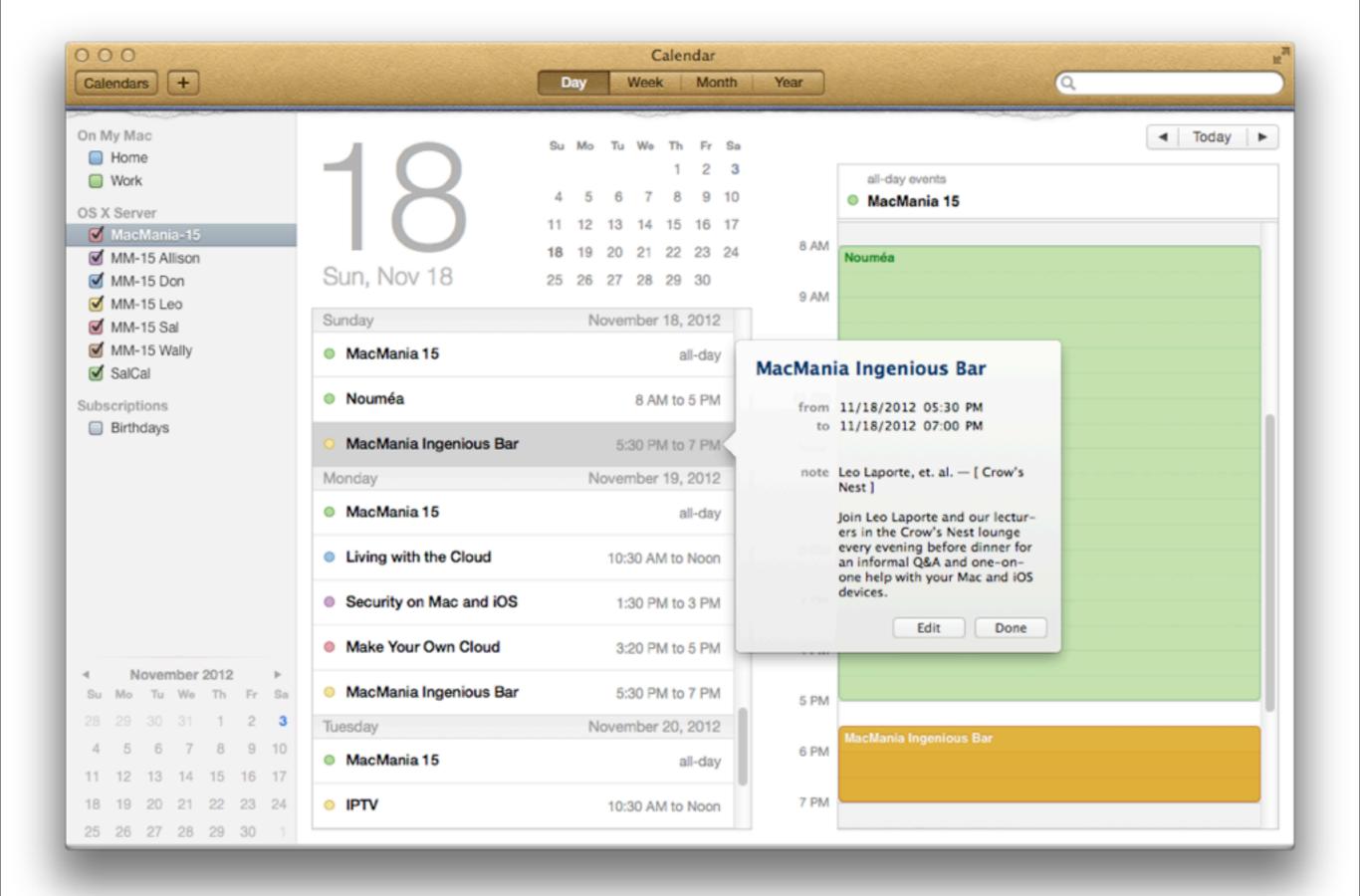
Calendar

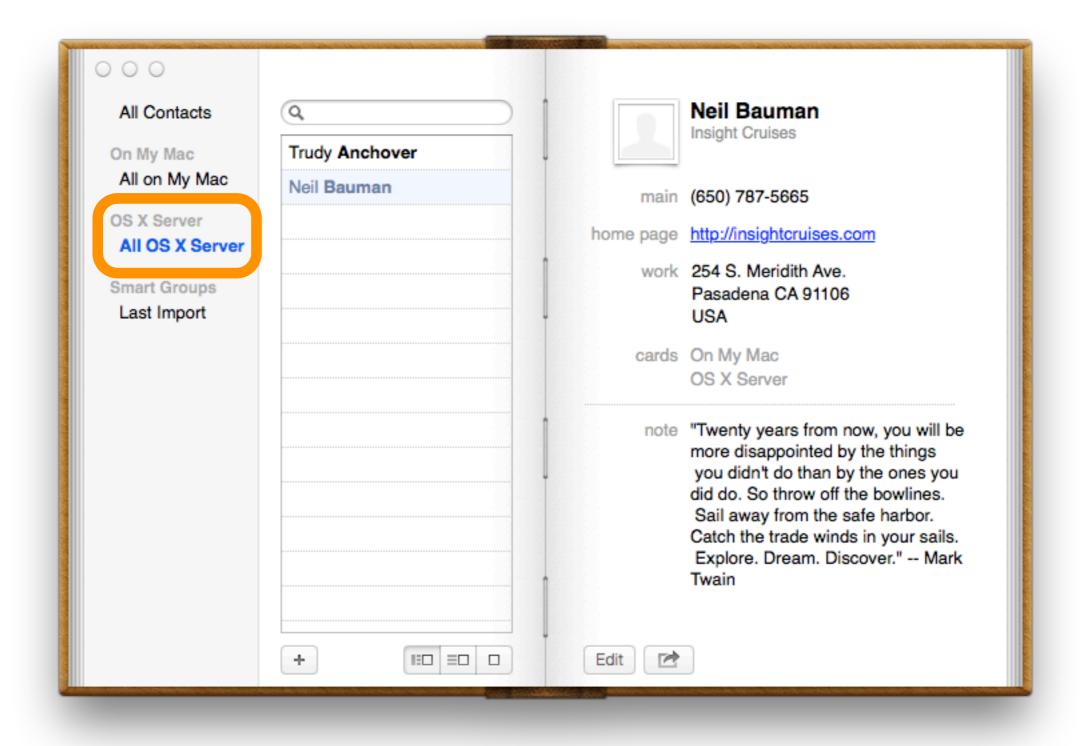












File Vault





ios Setup

iOS Calendar Account









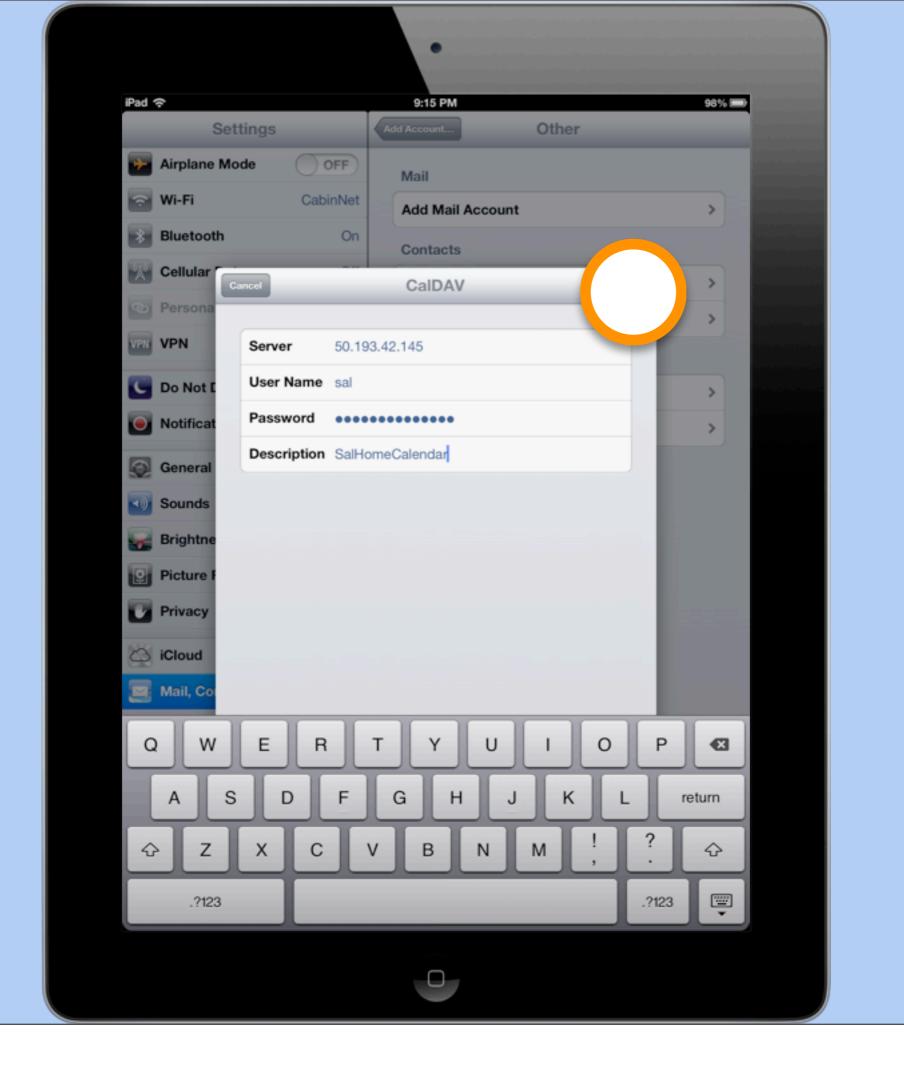


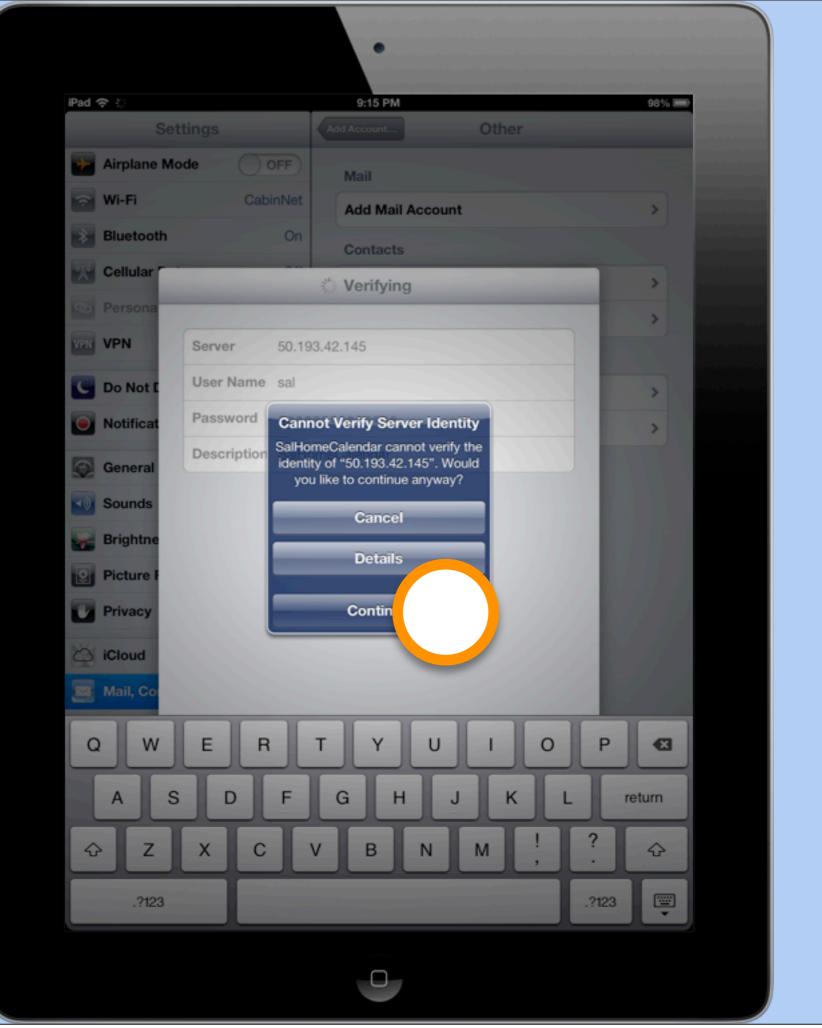






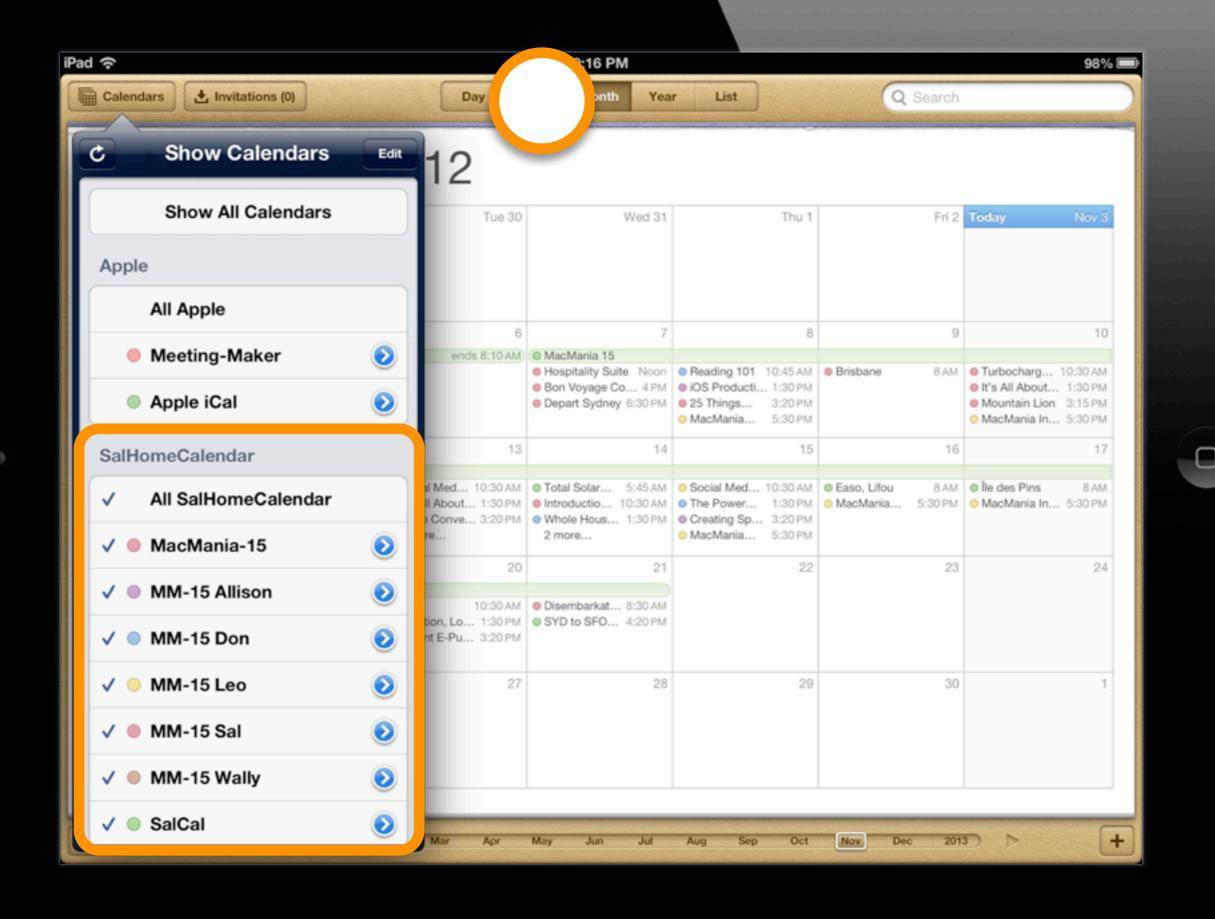


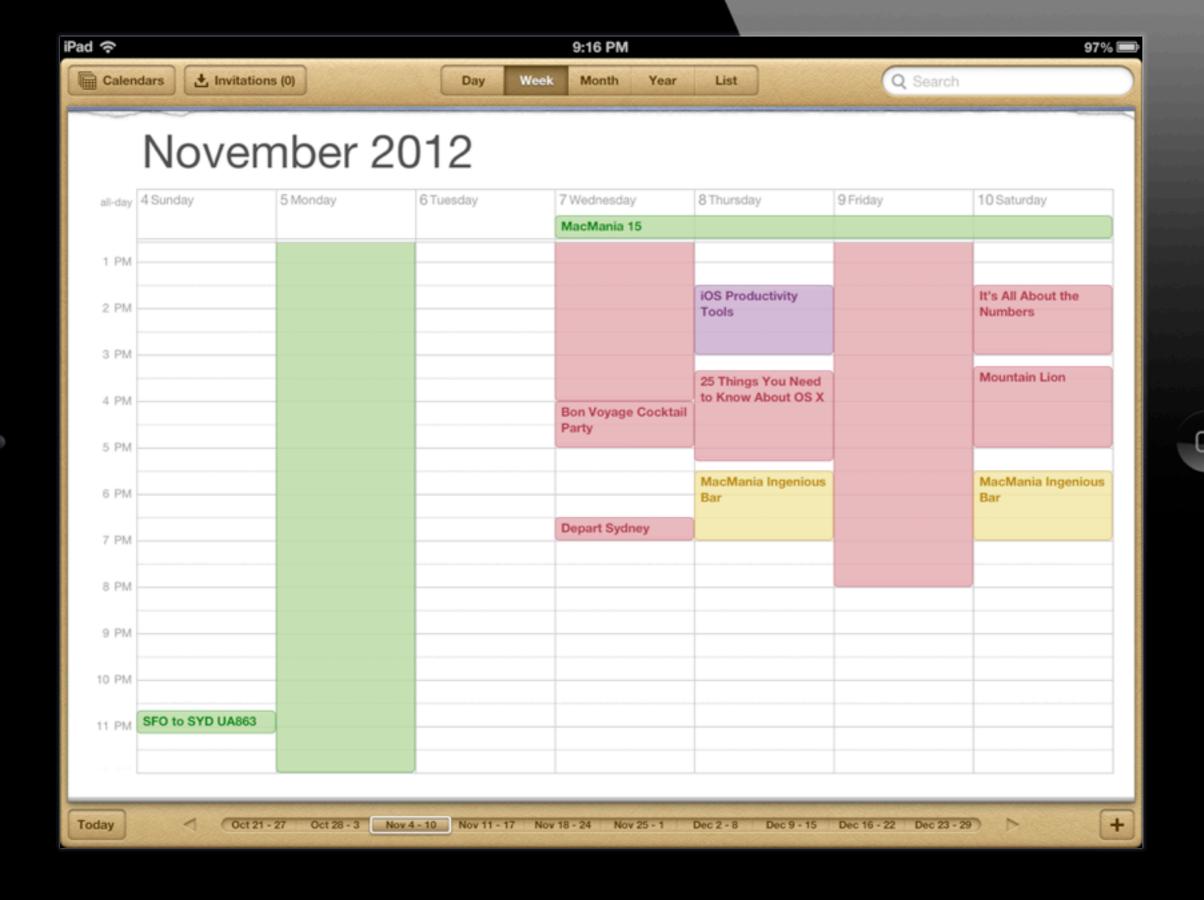




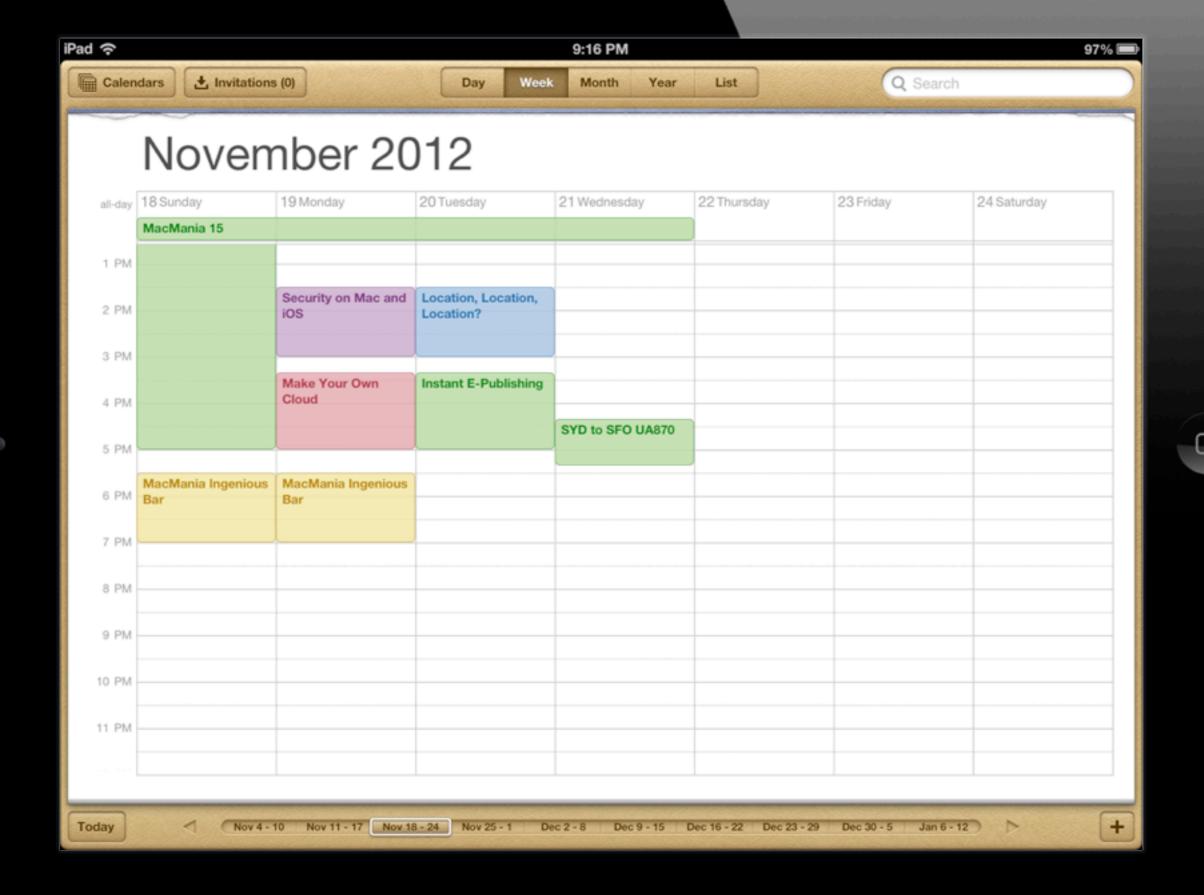








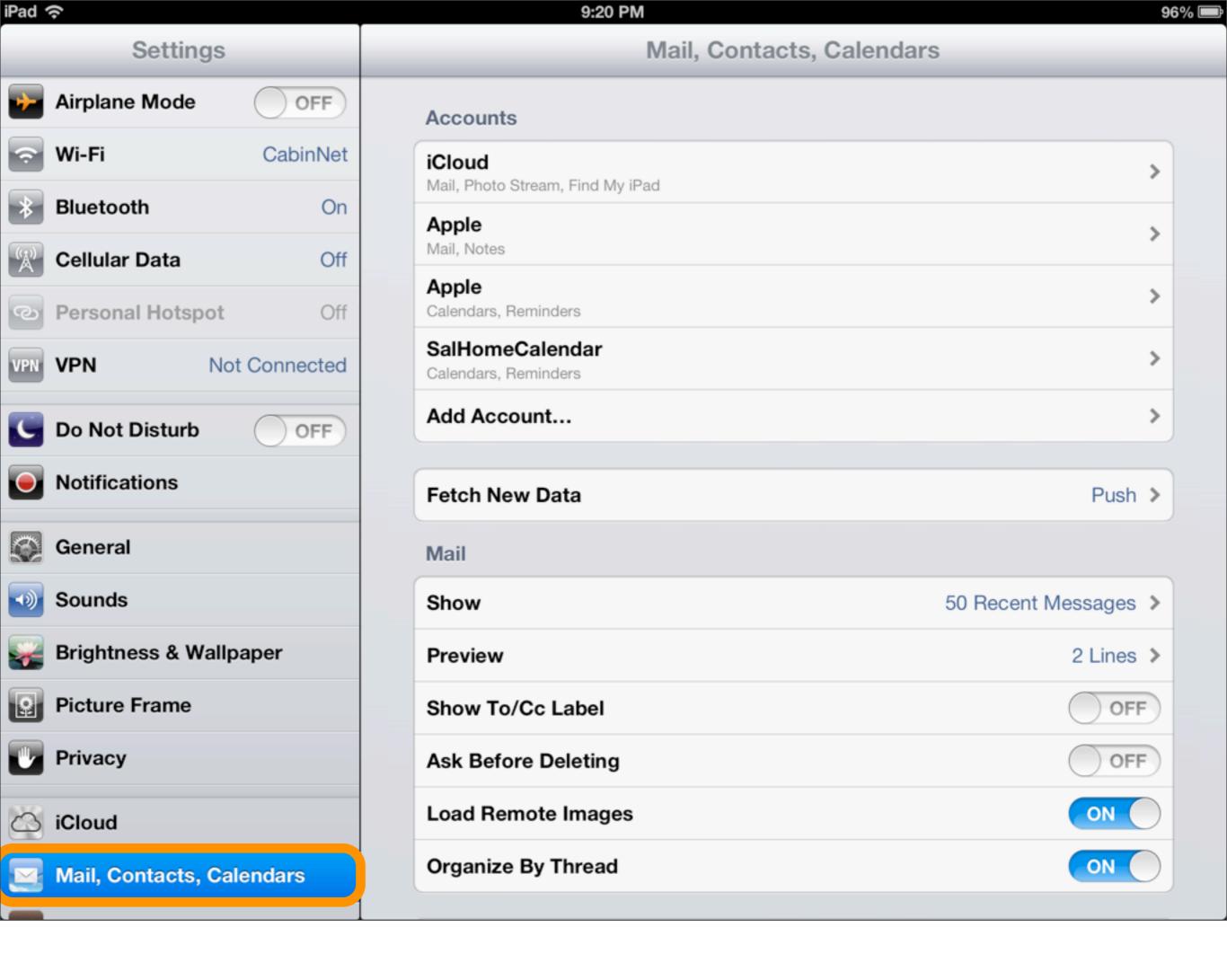


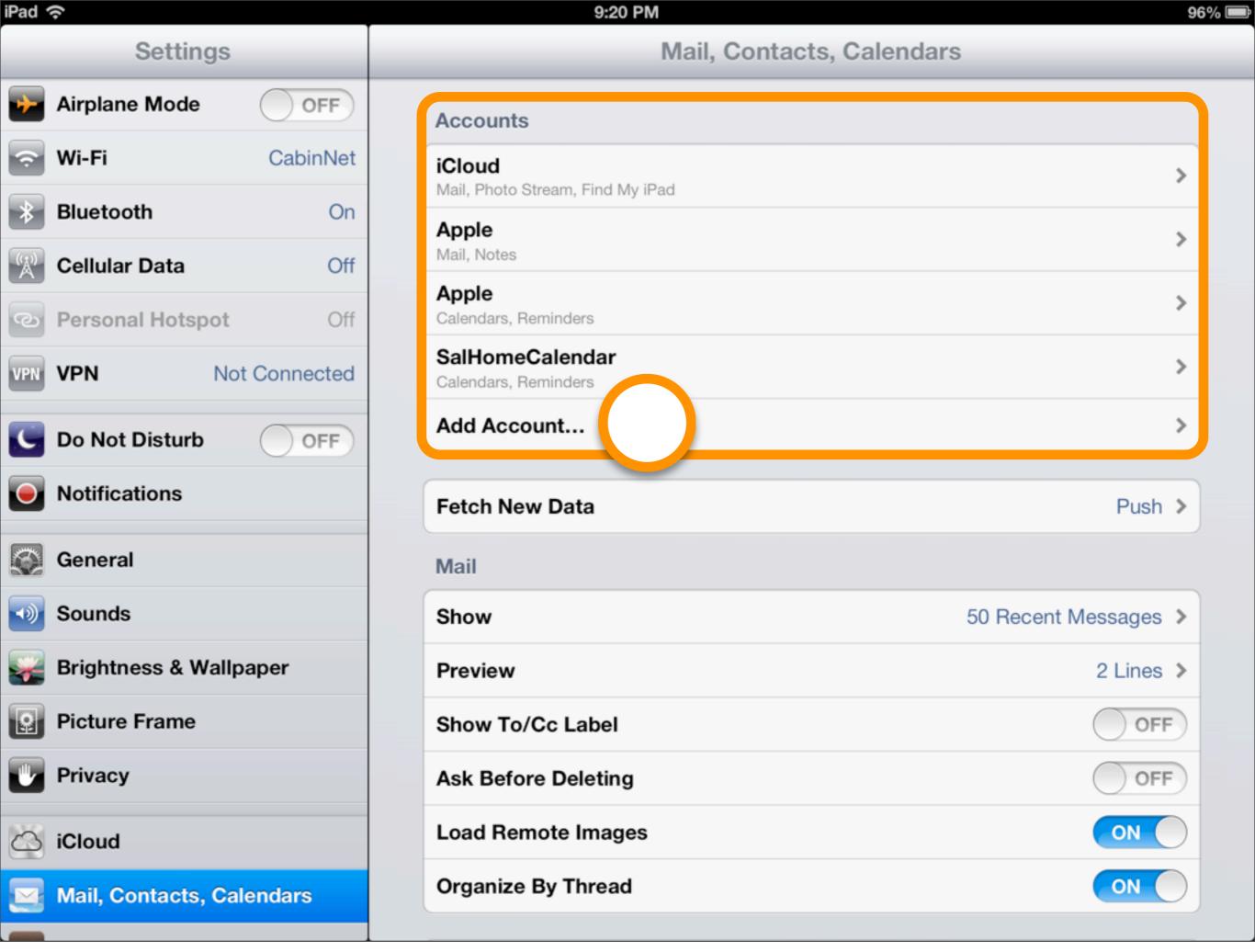


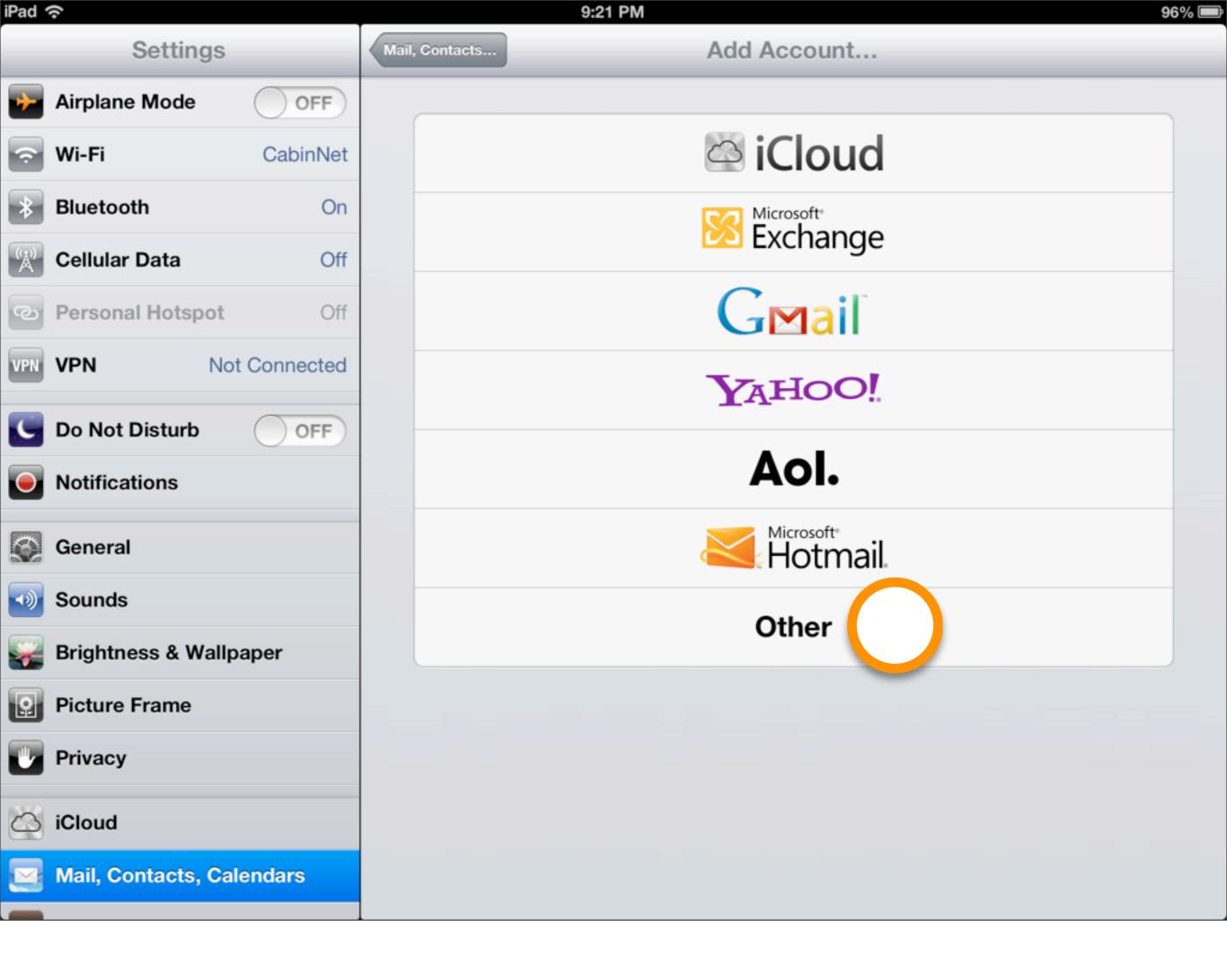


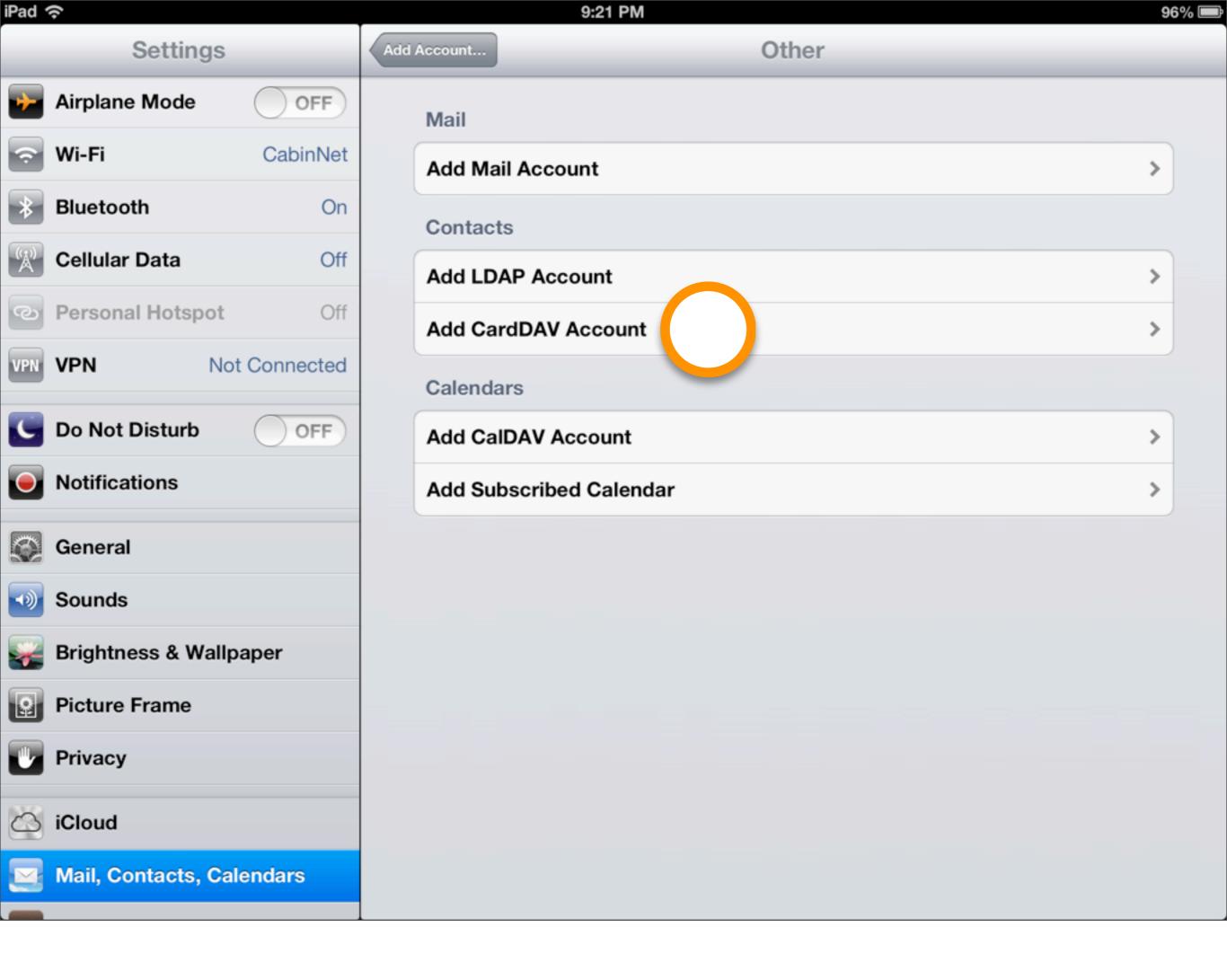
iOS Contacts Account

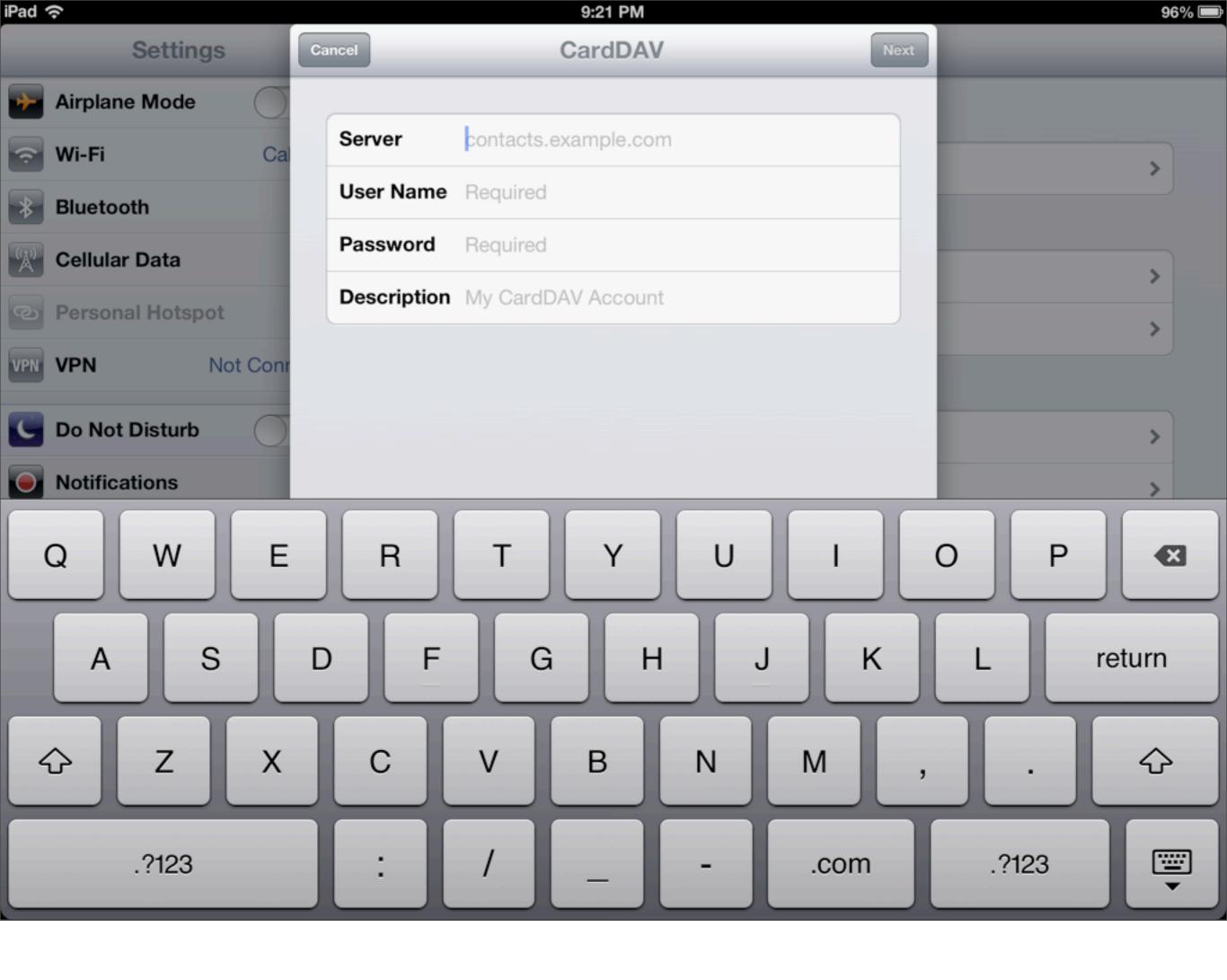


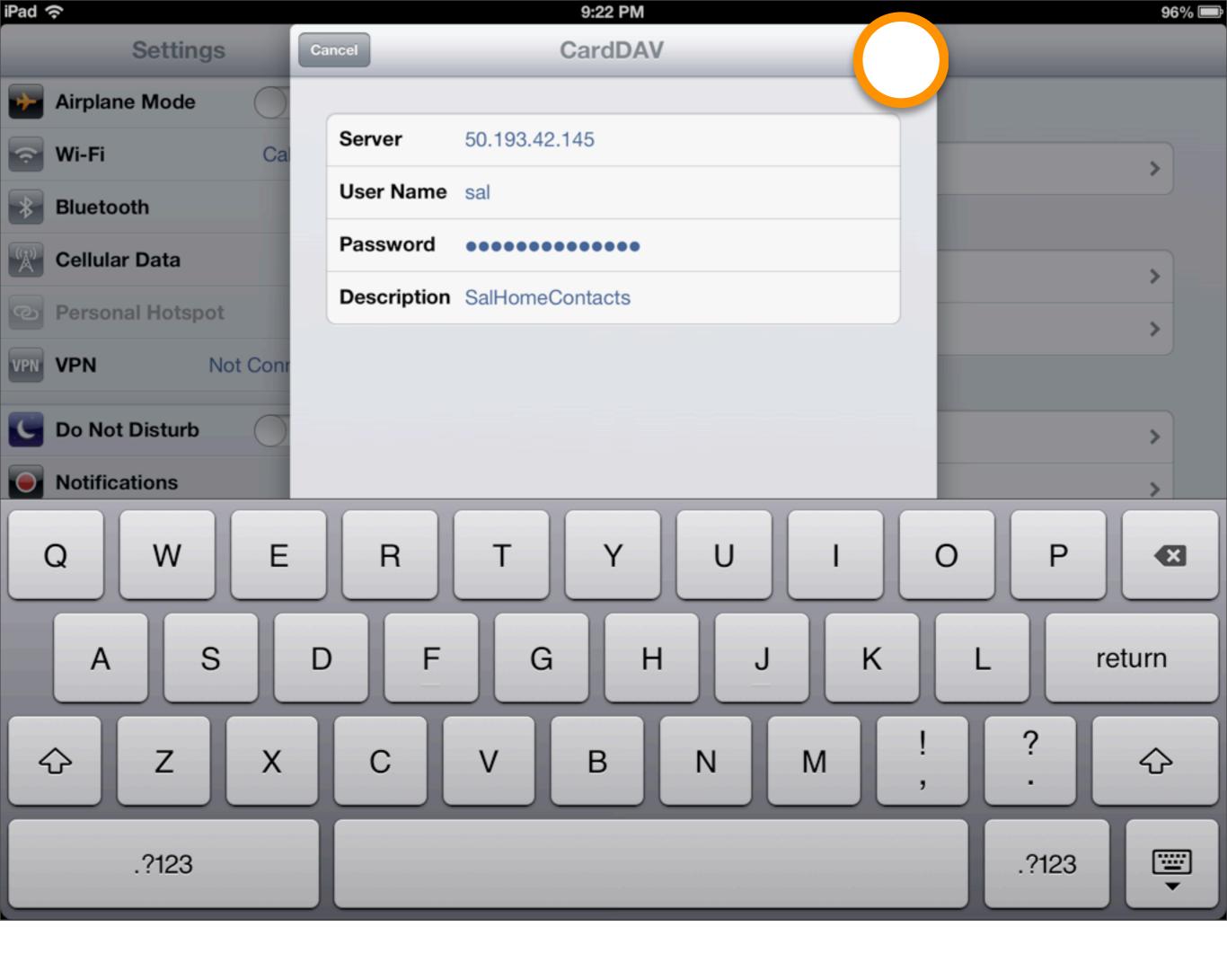


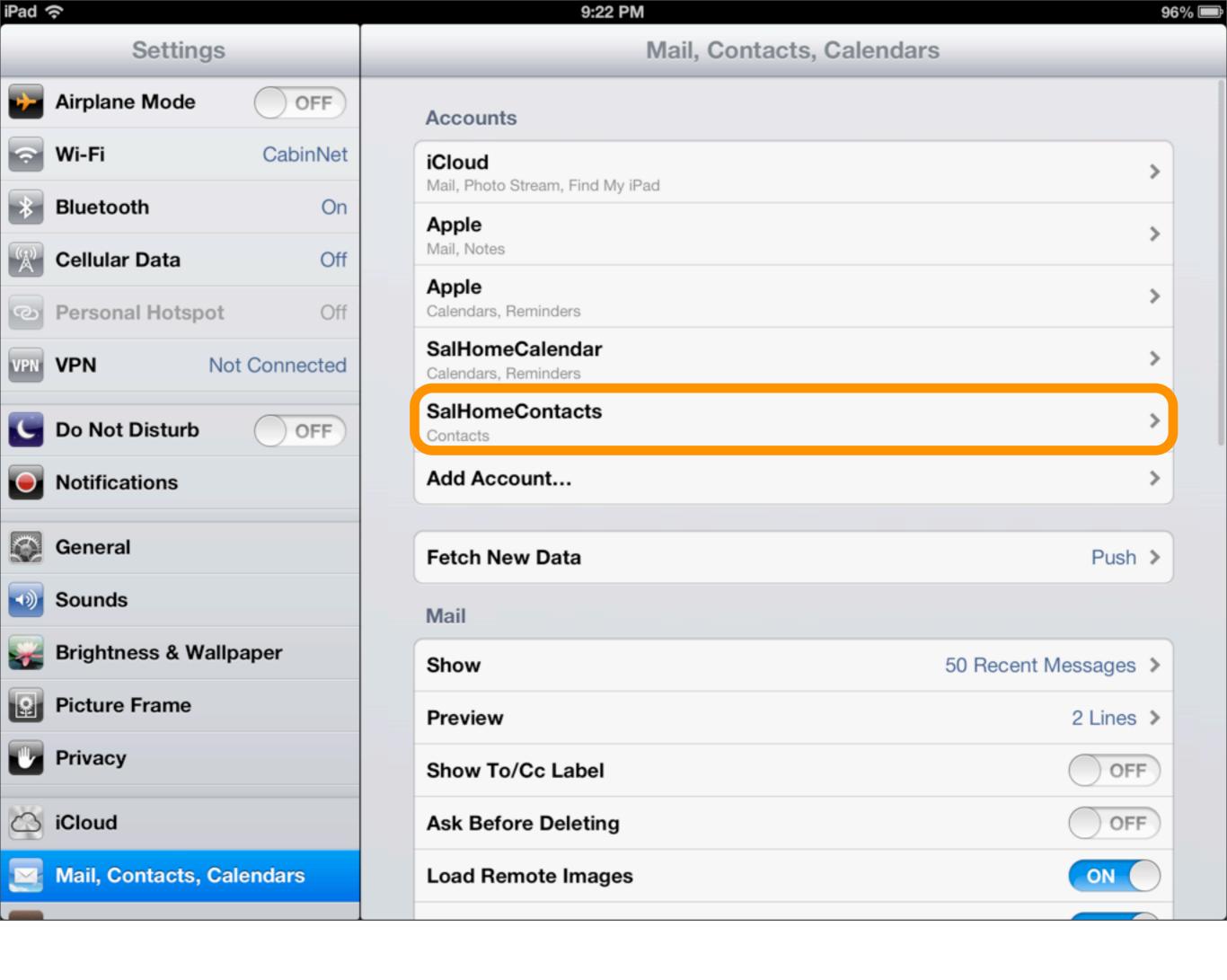












Show All Contacts

SalHomeContacts

All SalHomeContacts



On My iPad

All on My iPad

Eddie Adams Workshop

Everybody

Face of AppleScript

Faces Demo

Family

Family





Α



Contacts

Q Search

Trudy Anchover

Neil Bauman

Н

M Ν

0

R

S

X



Neil Bauman

Insight Cruises

(650) 787-5665 main

work neil@InSightCruises.com

home neil@geekcruises.com

http://insightcruises.com home page

> work 254 S. Meridith Ave. Pasadena CA 91106 USA

"Twenty years from now, you will be notes more disappointed by the things you didn't do than by the ones you did do. So throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover." -- Mark

Edit

Unified Info

12







iOS iWork & OS X Server

Saving Files to Server





Undo **Presentations**

Motorcycle Preso







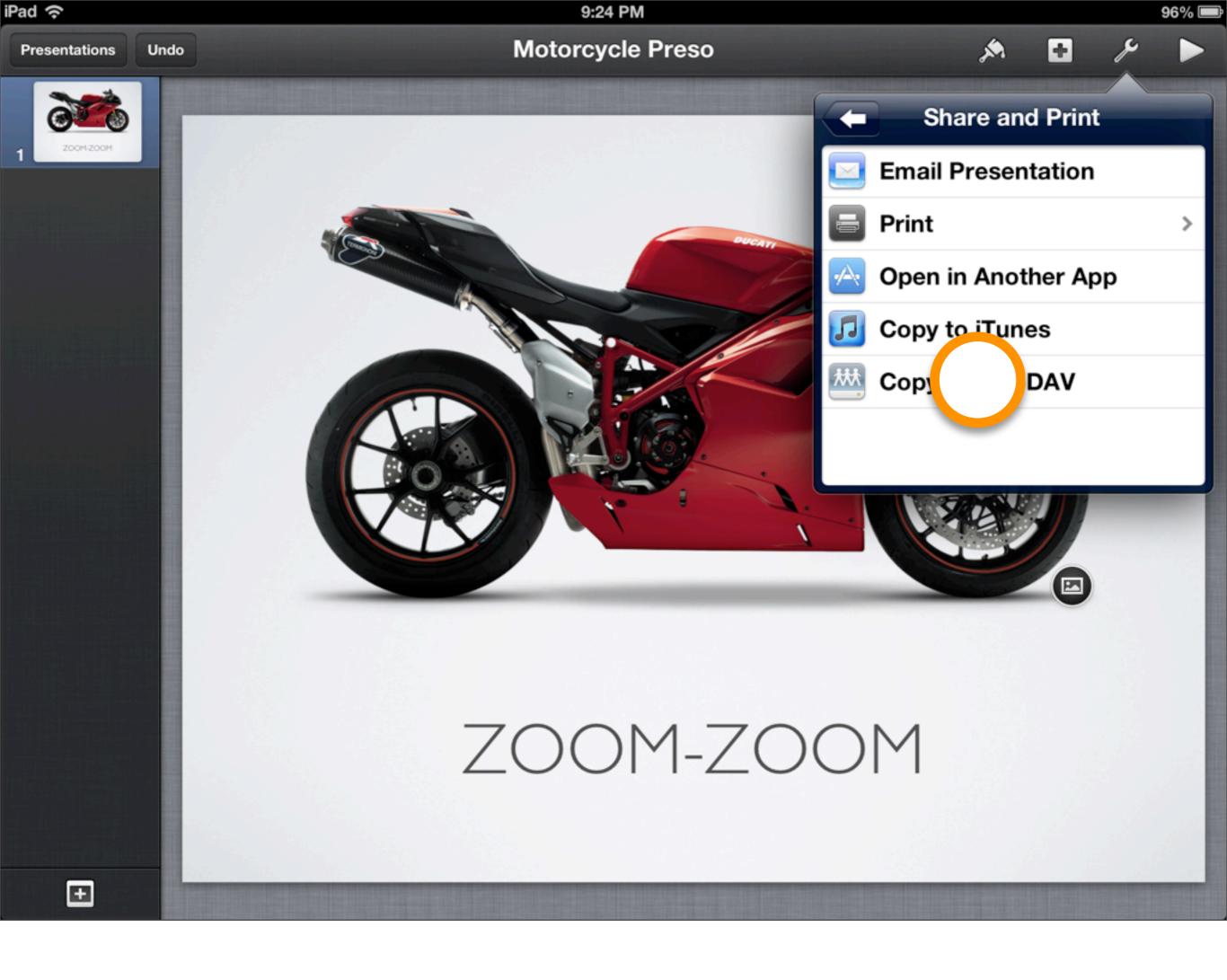


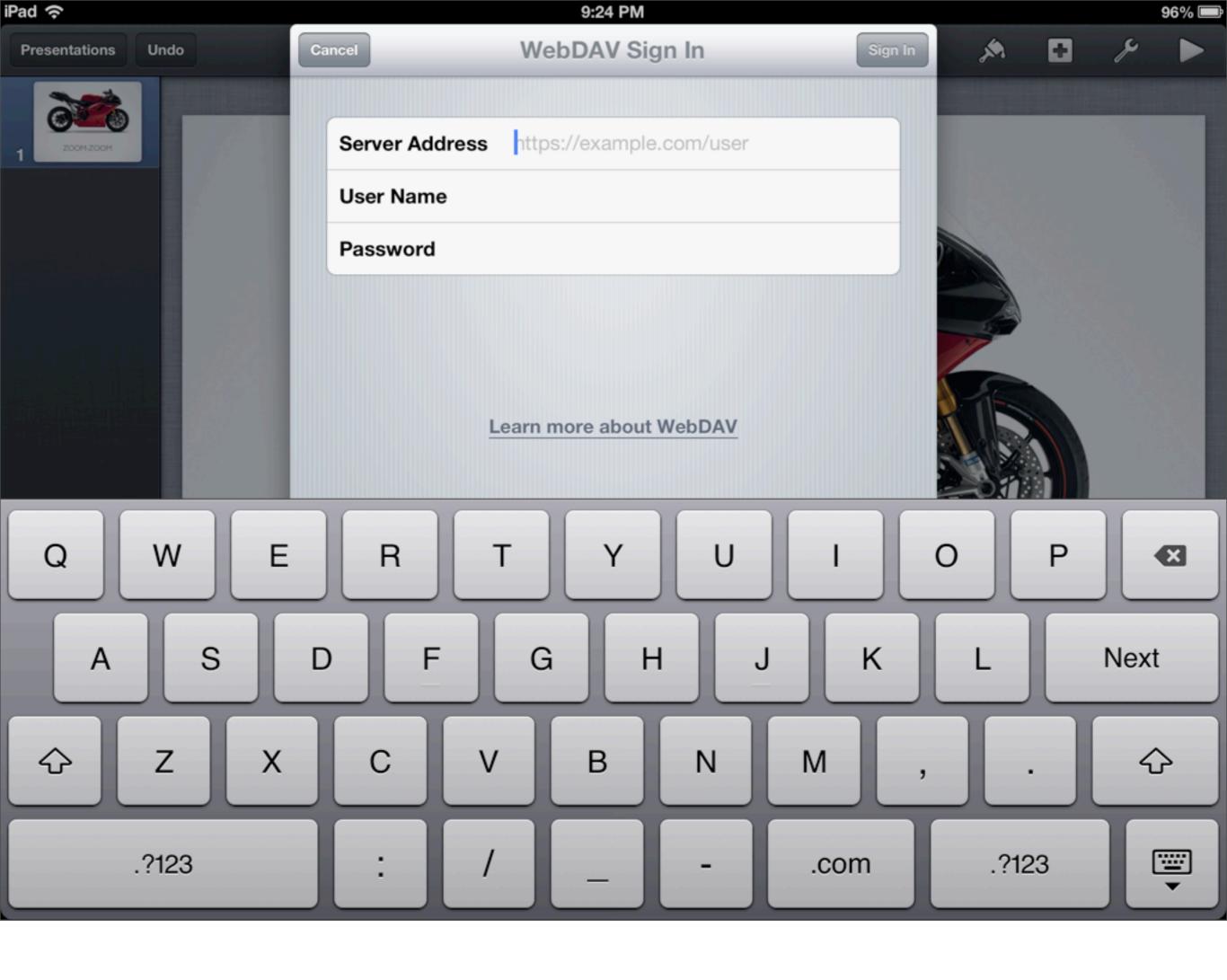


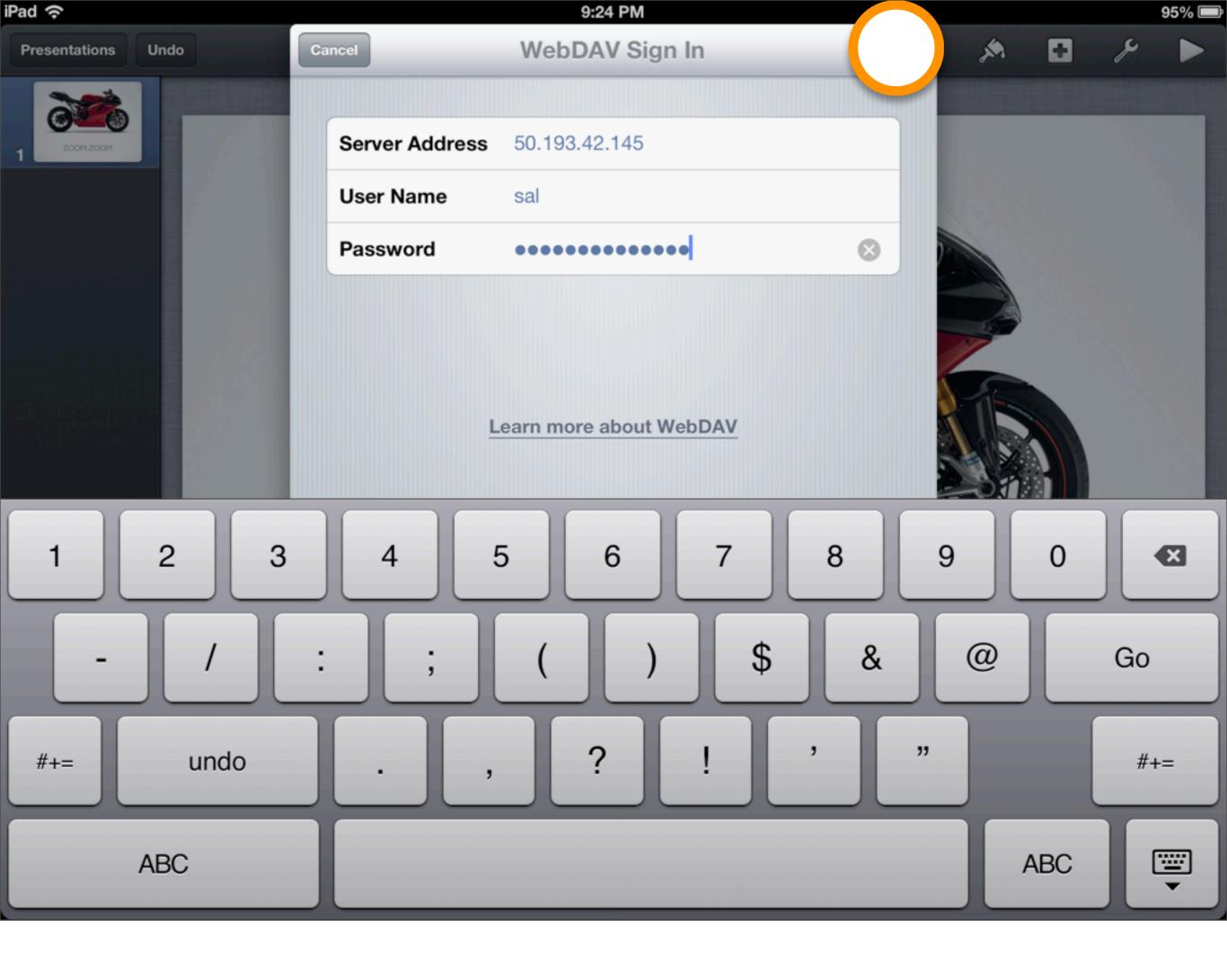
ZOOM-ZOOM

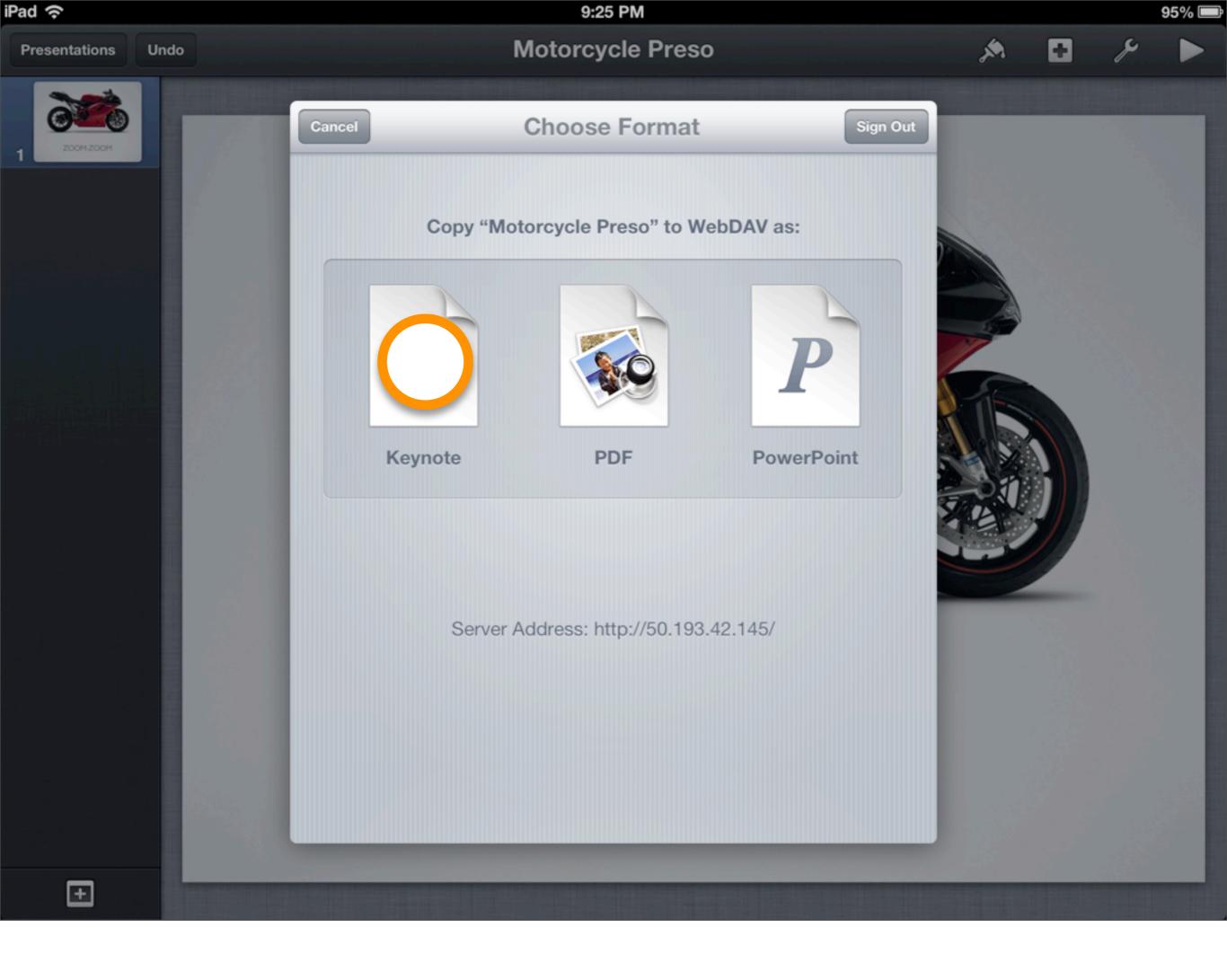


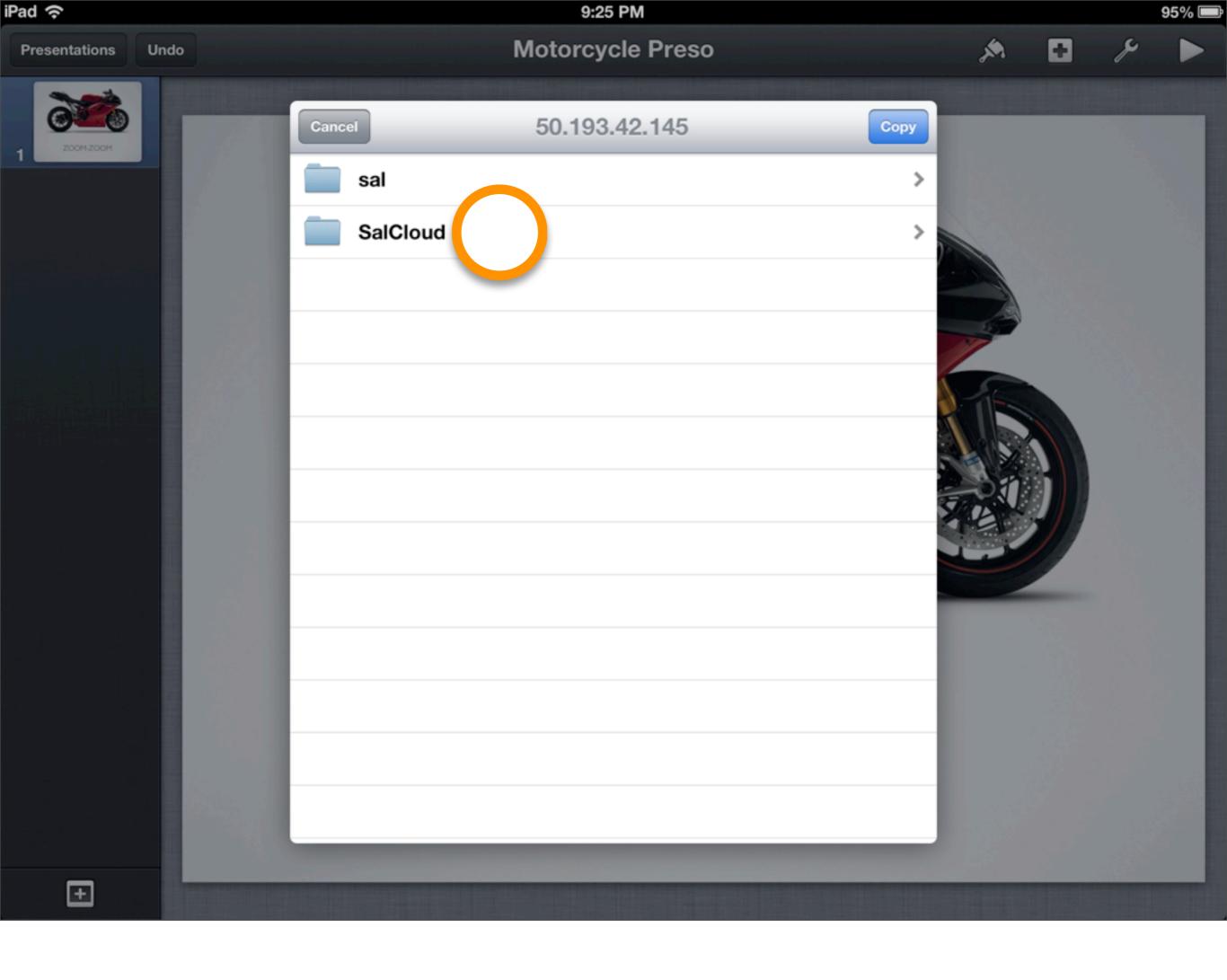


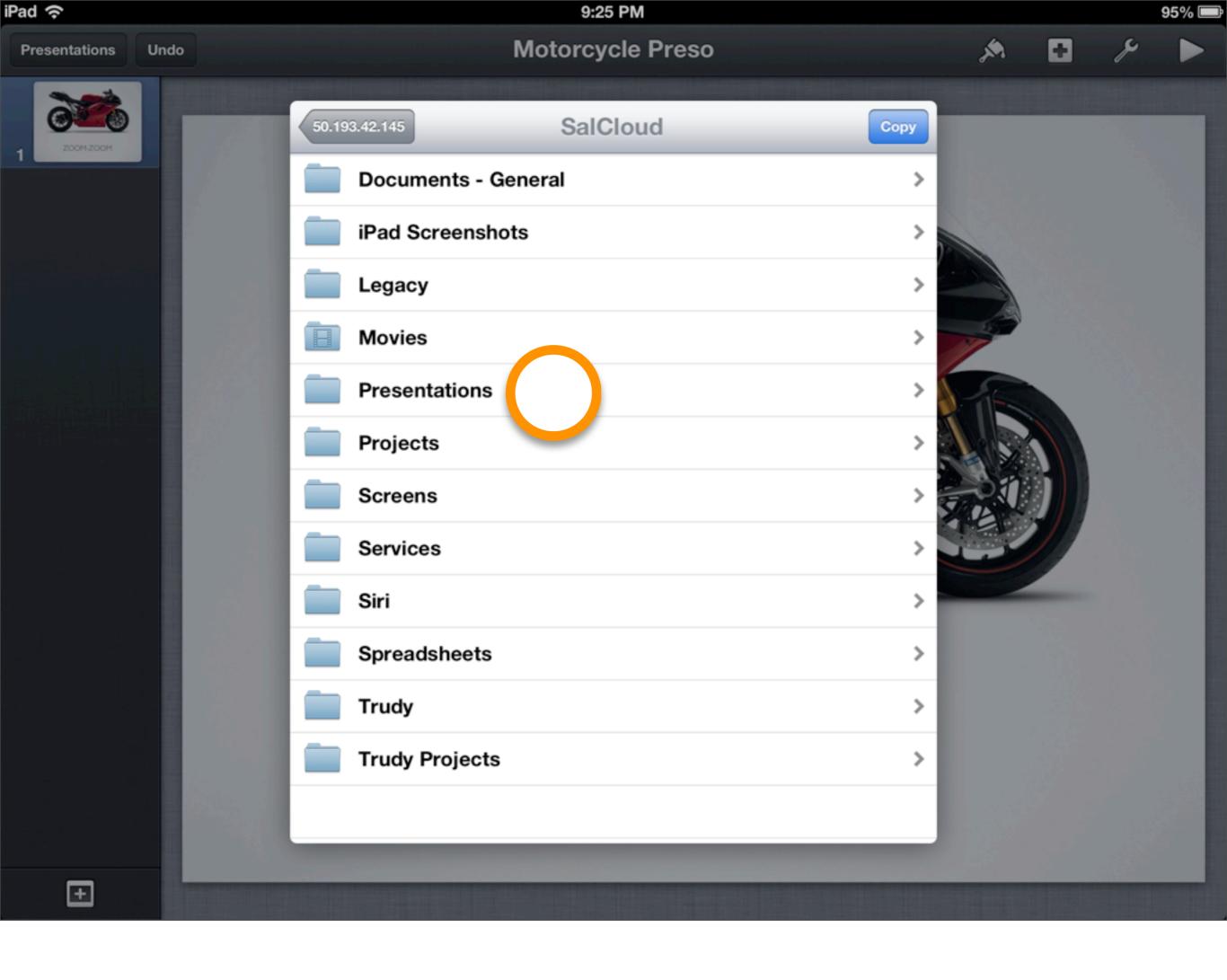


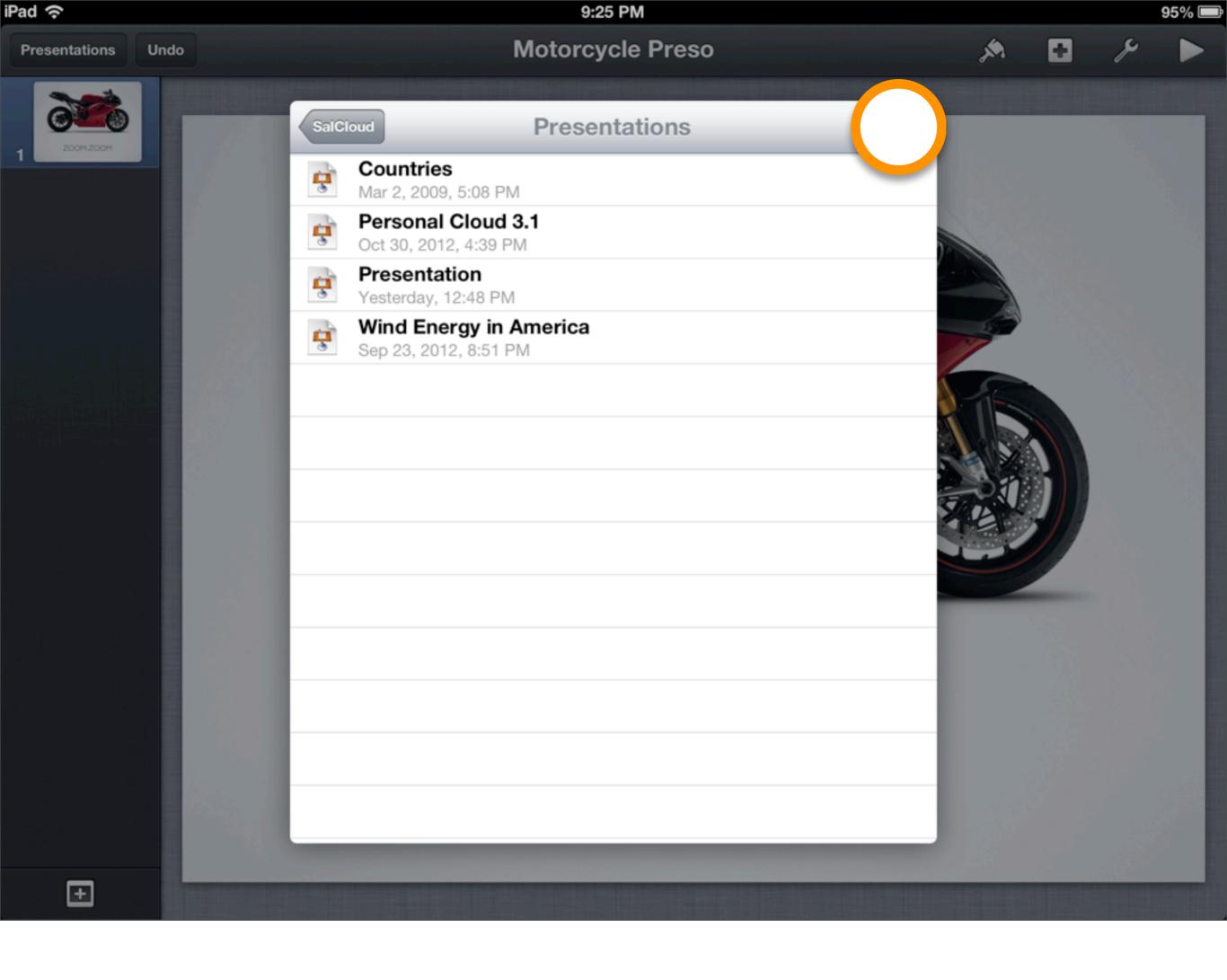


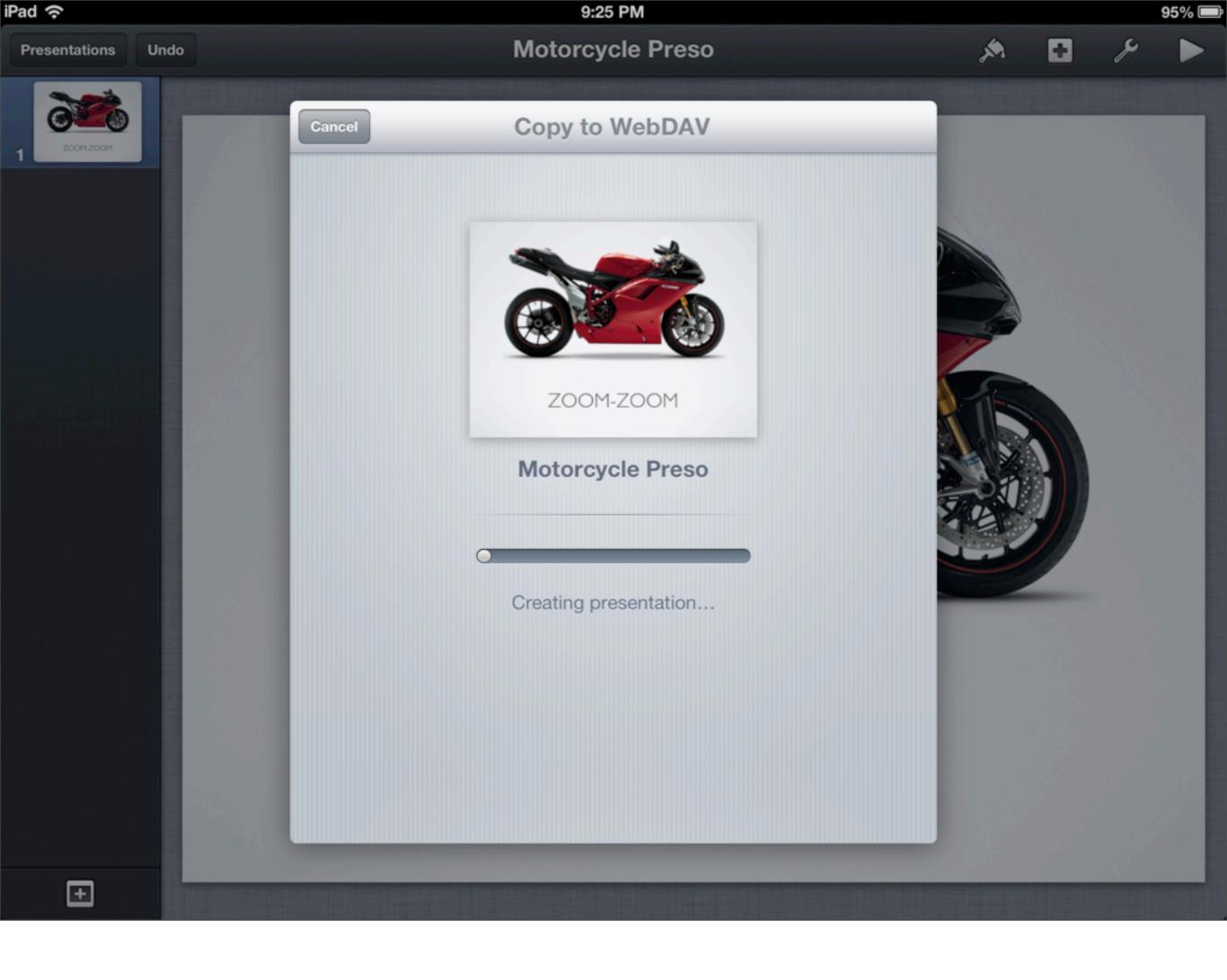


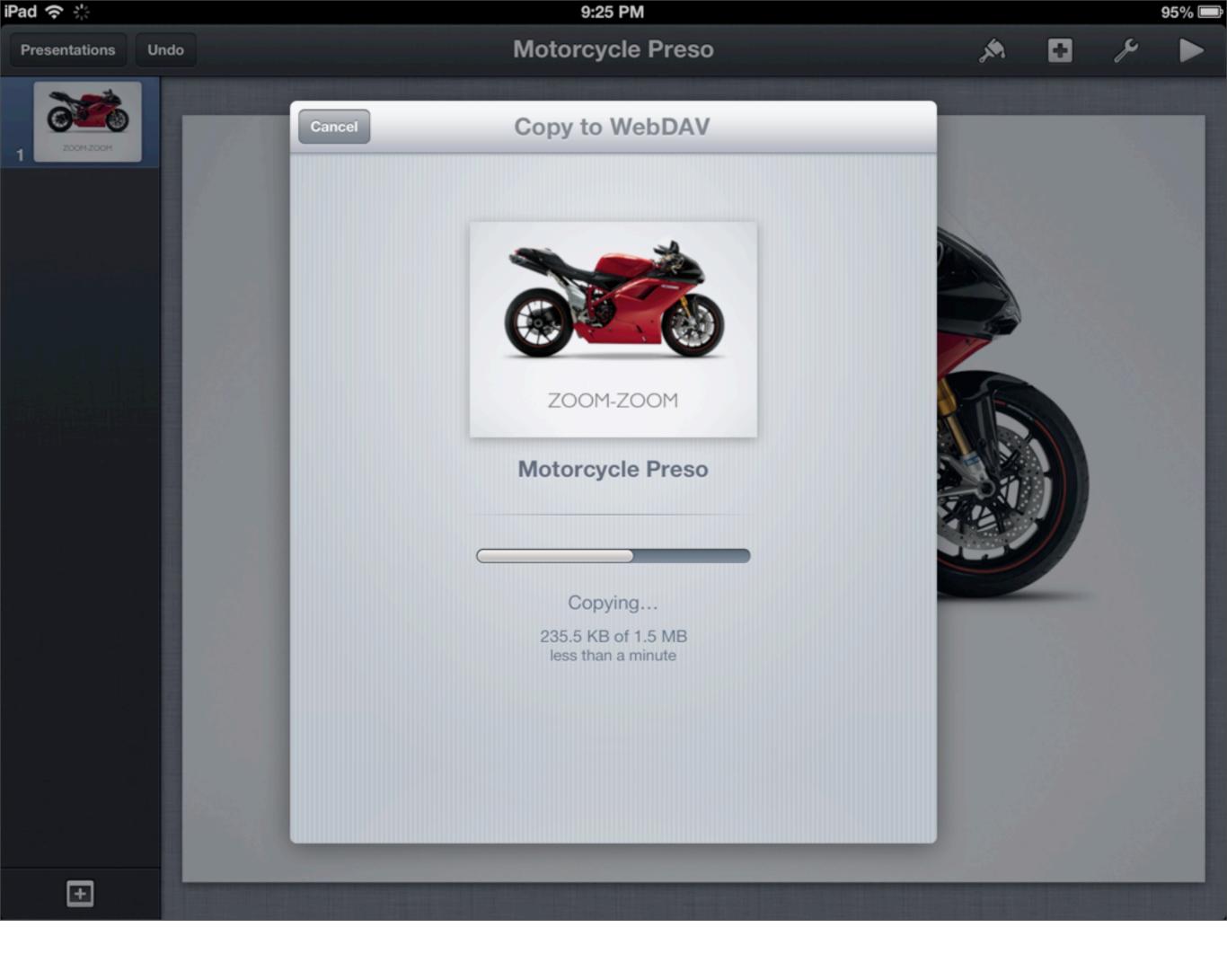


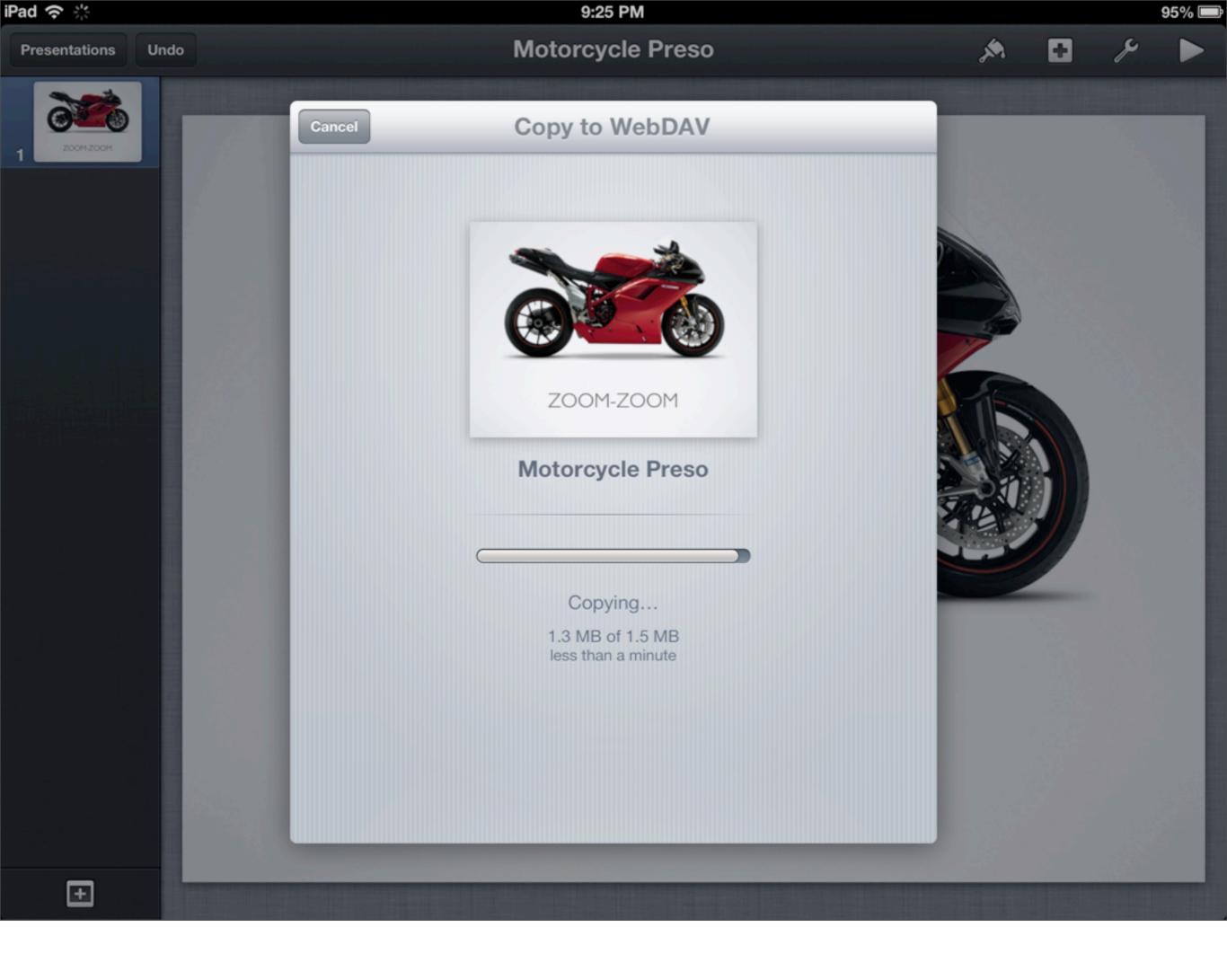












iPad **奈** 9:24 PM 96%

Presentations

Undo

Motorcycle Preso













ZOOM-ZOOM



Open Files from Server



9:26 PM 95% 📼

Keynote





Getting Started Yesterday, 12:39 PM



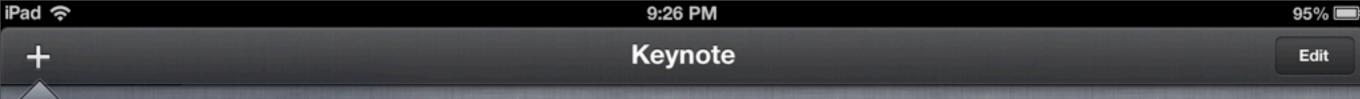
Motorcycle Preso Today, 9:23 PM



Personal Cloud 3.1 Sep 19, 2012, 6:21 PM



Wind Energy in America Yesterday, 12:05 PM







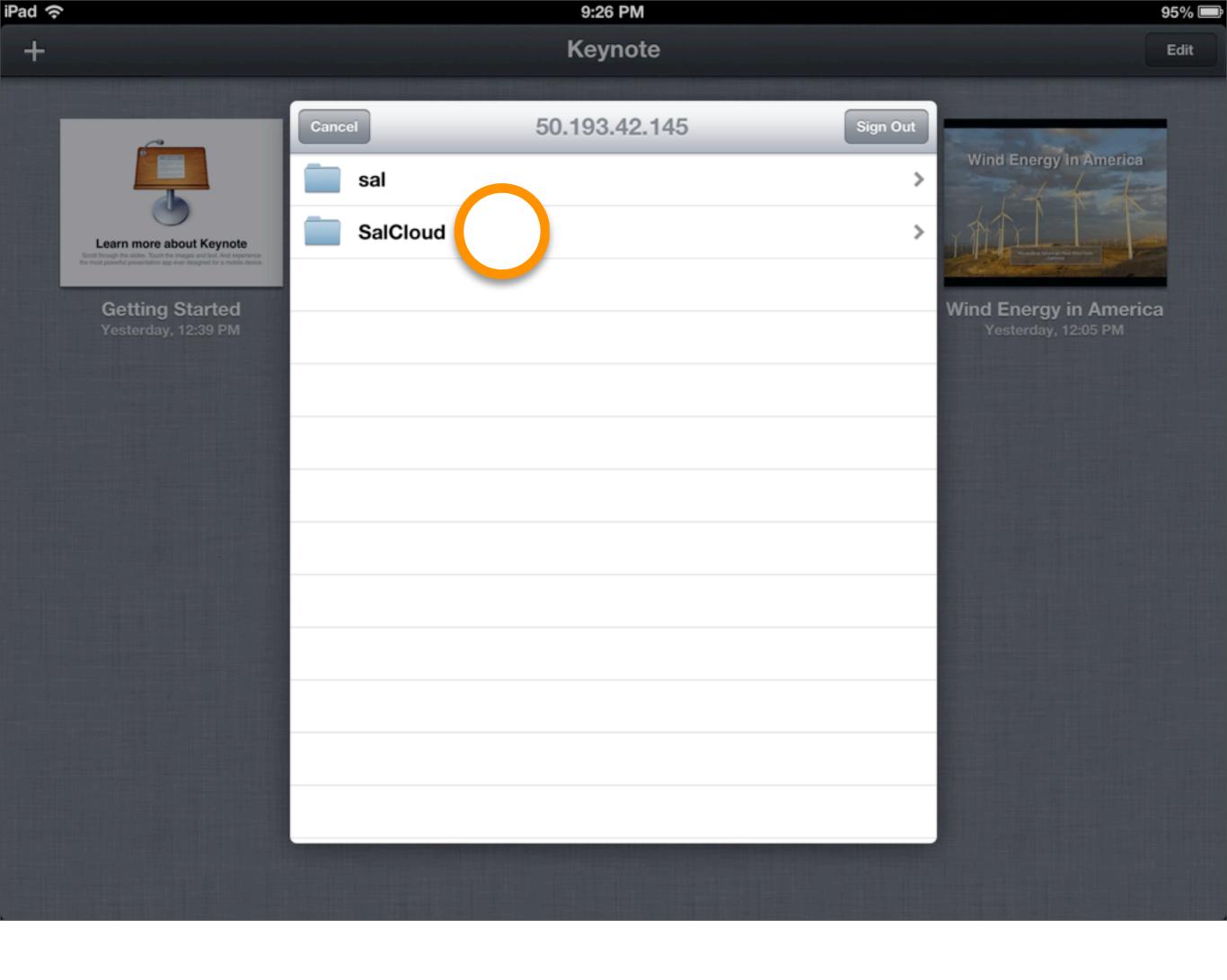
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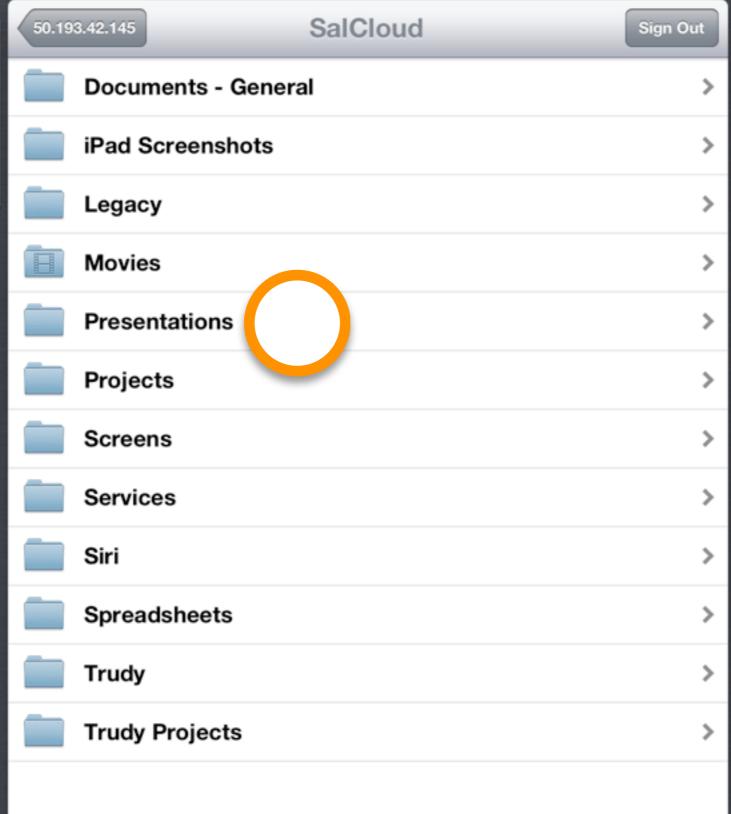
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Edit



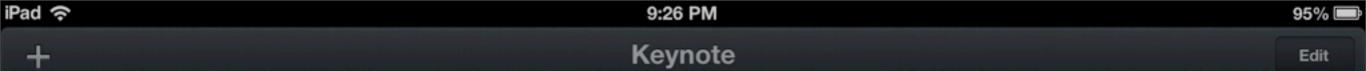
iPad 令

Getting Started
Yesterday, 12:39 PM



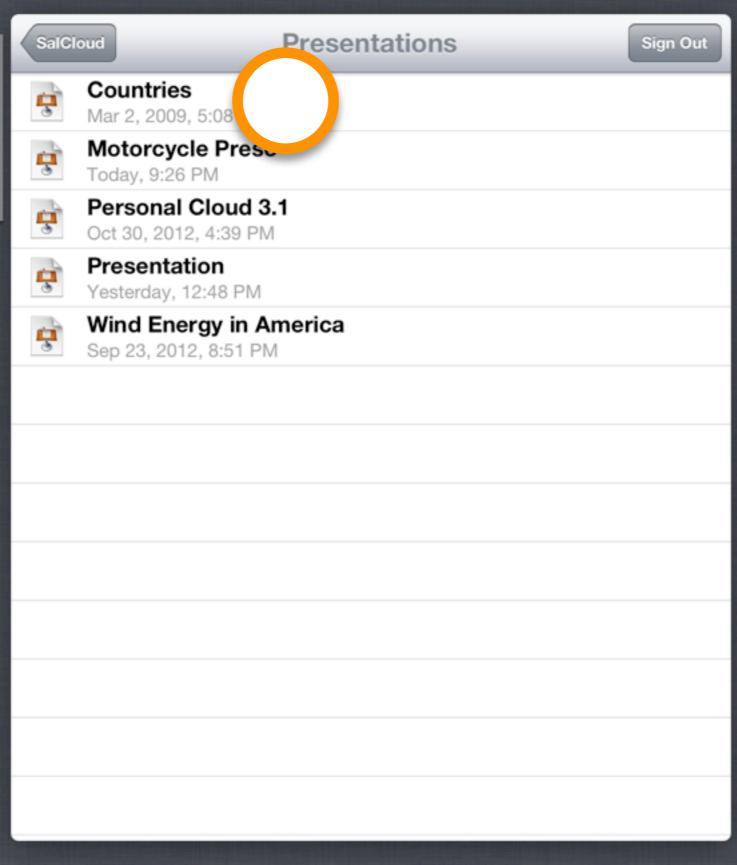


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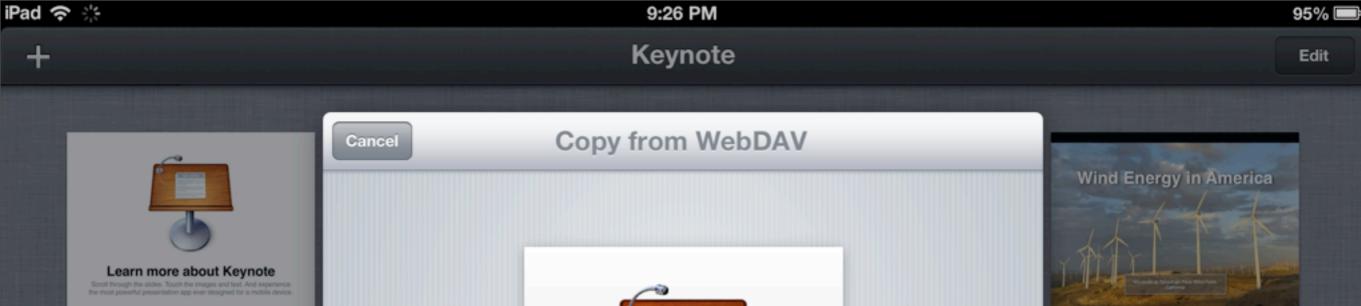


Getting Started Yesterday, 12:39 PM





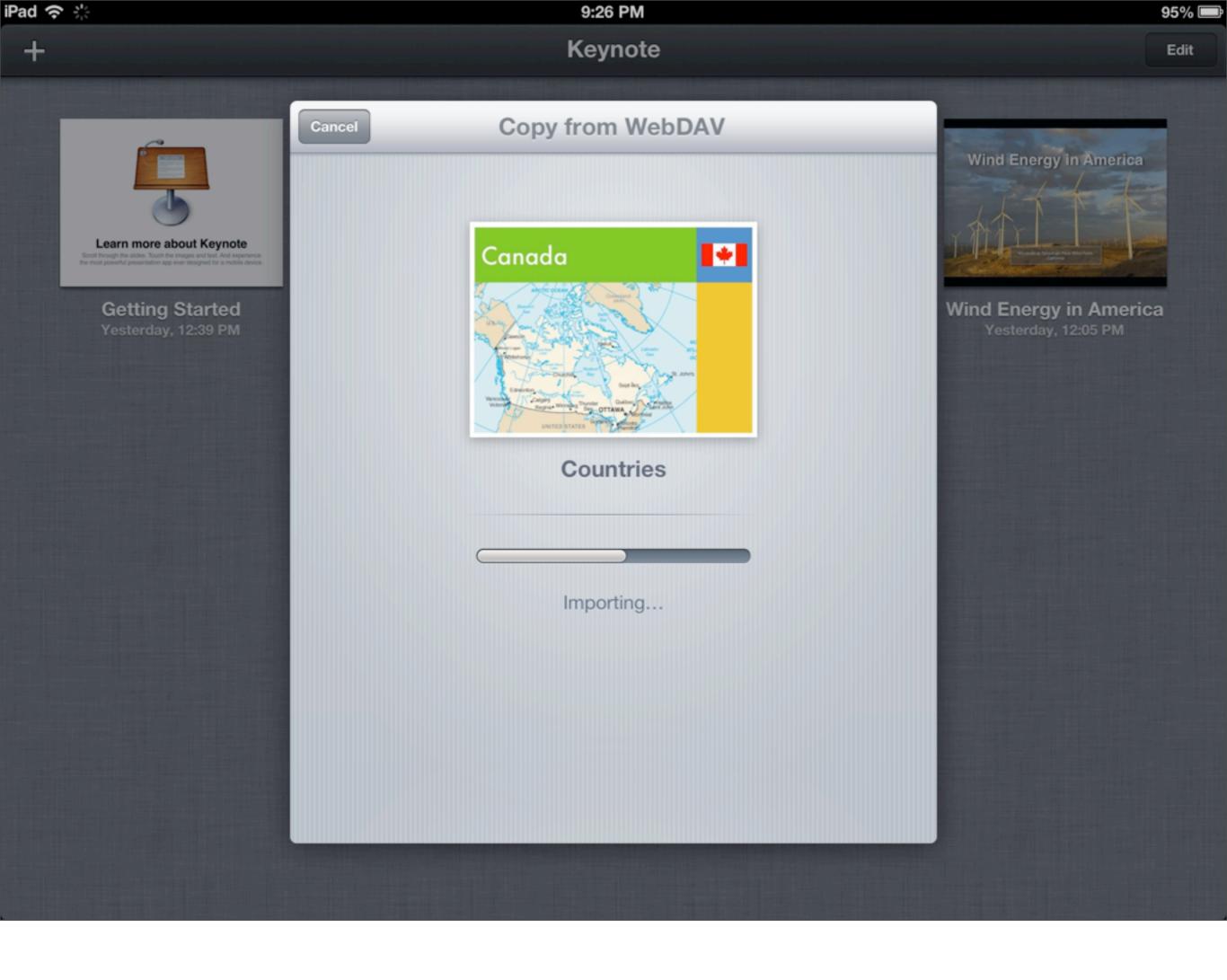
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Wind Energy in America











Countries Today, 9:26 PM



Getting Started Yesterday, 12:39 PM



Motorcycle Preso Today, 9:23 PM



Personal Cloud 3.1 Sep 19, 2012, 6:21 PM



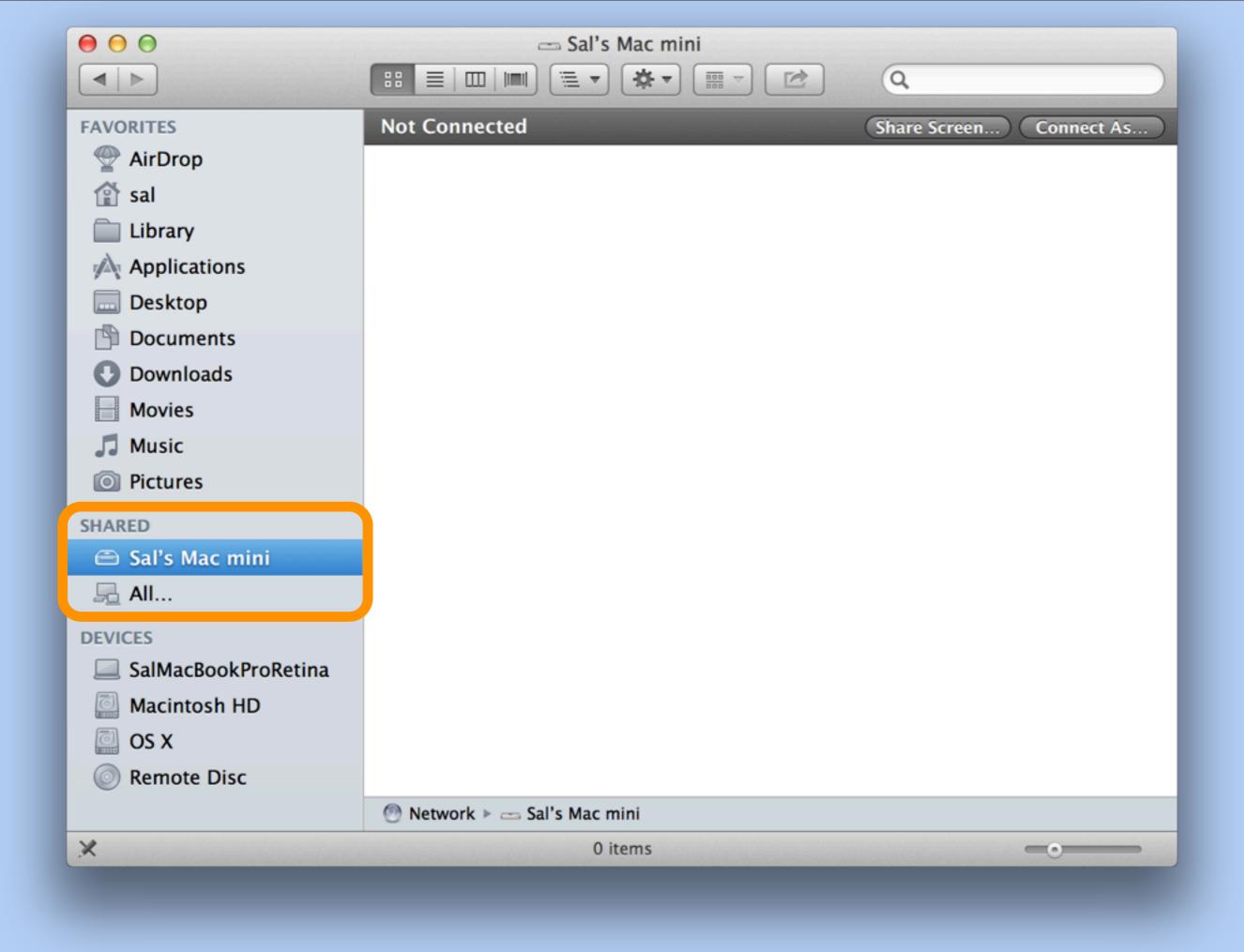
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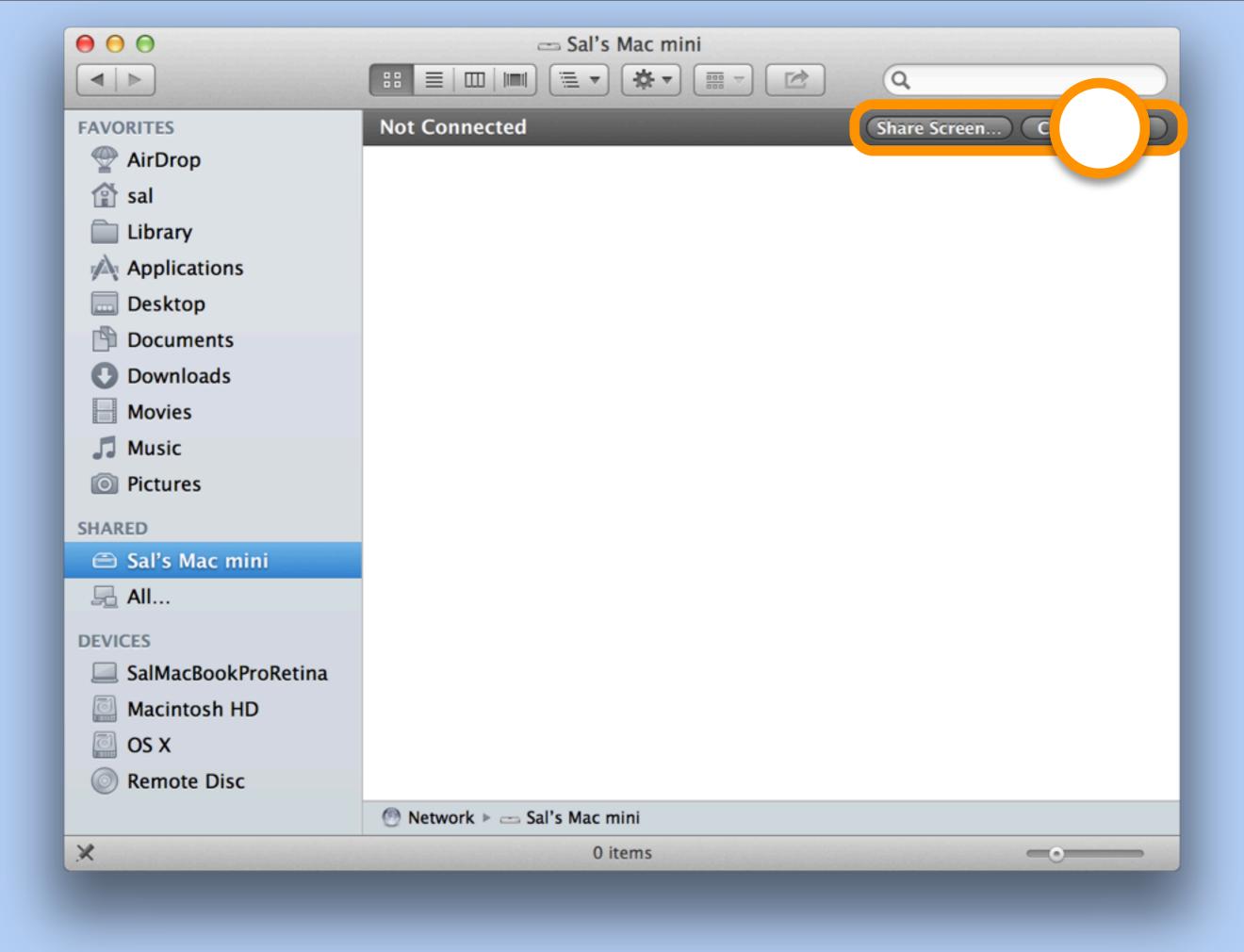


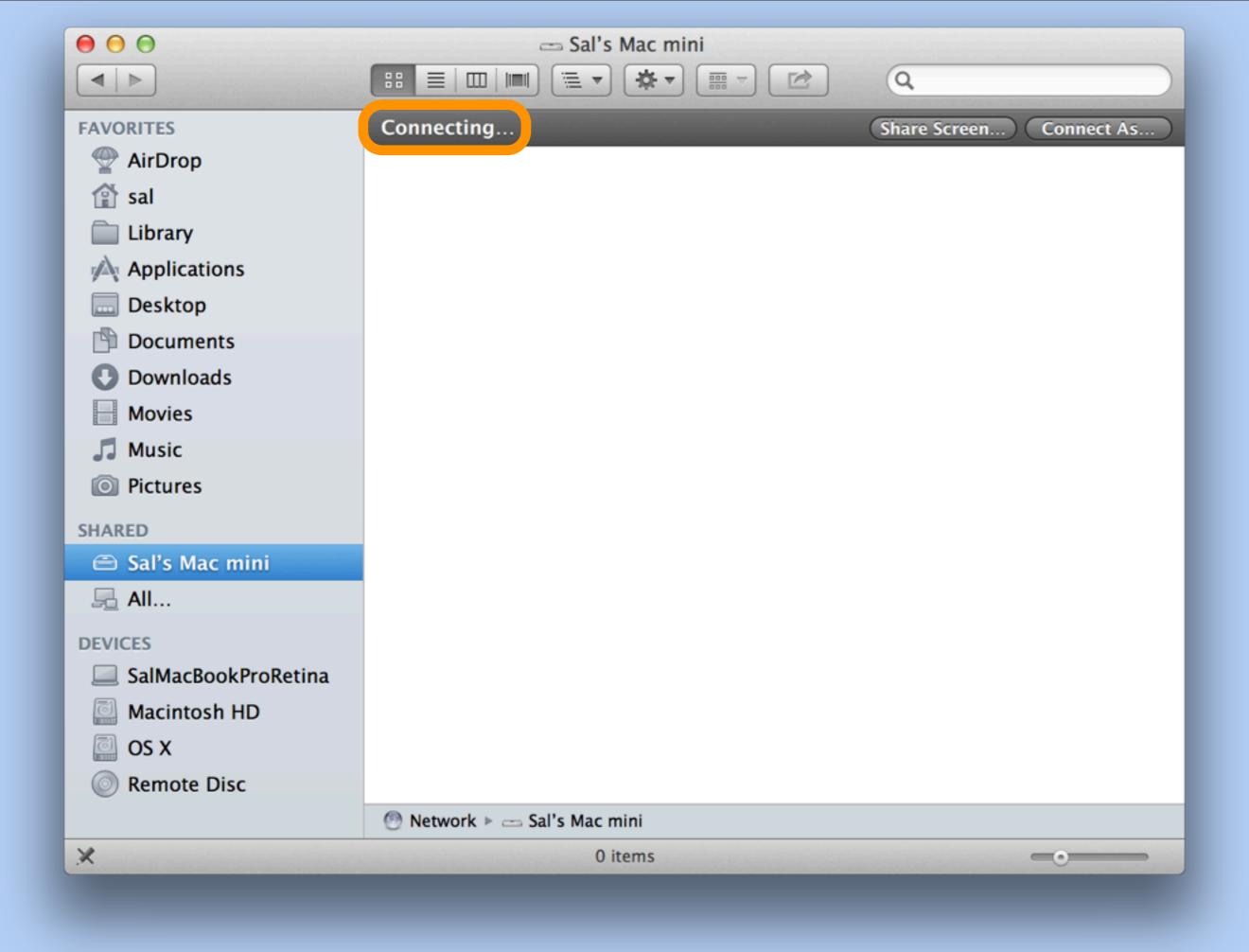
Back to My Server

File Sharing



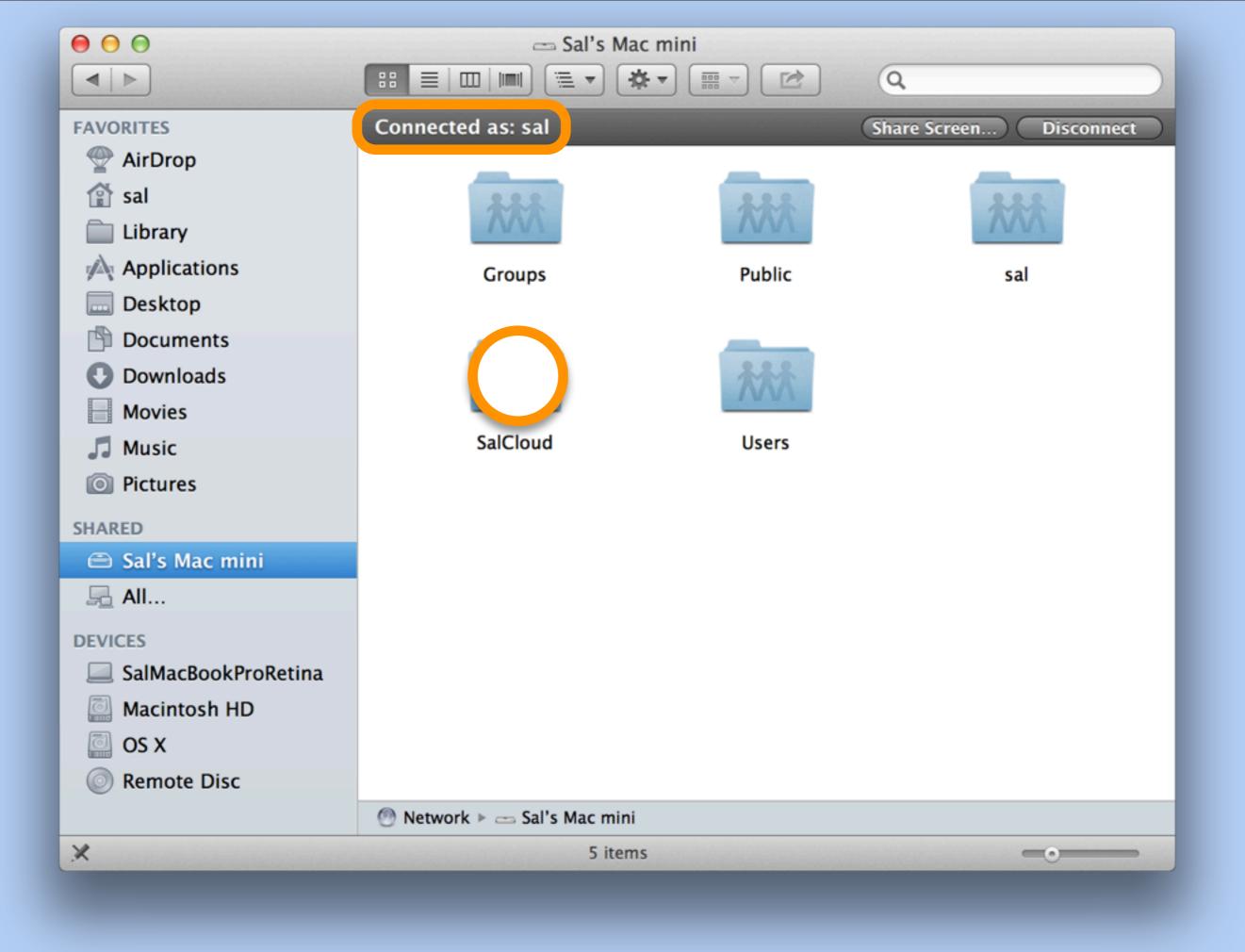


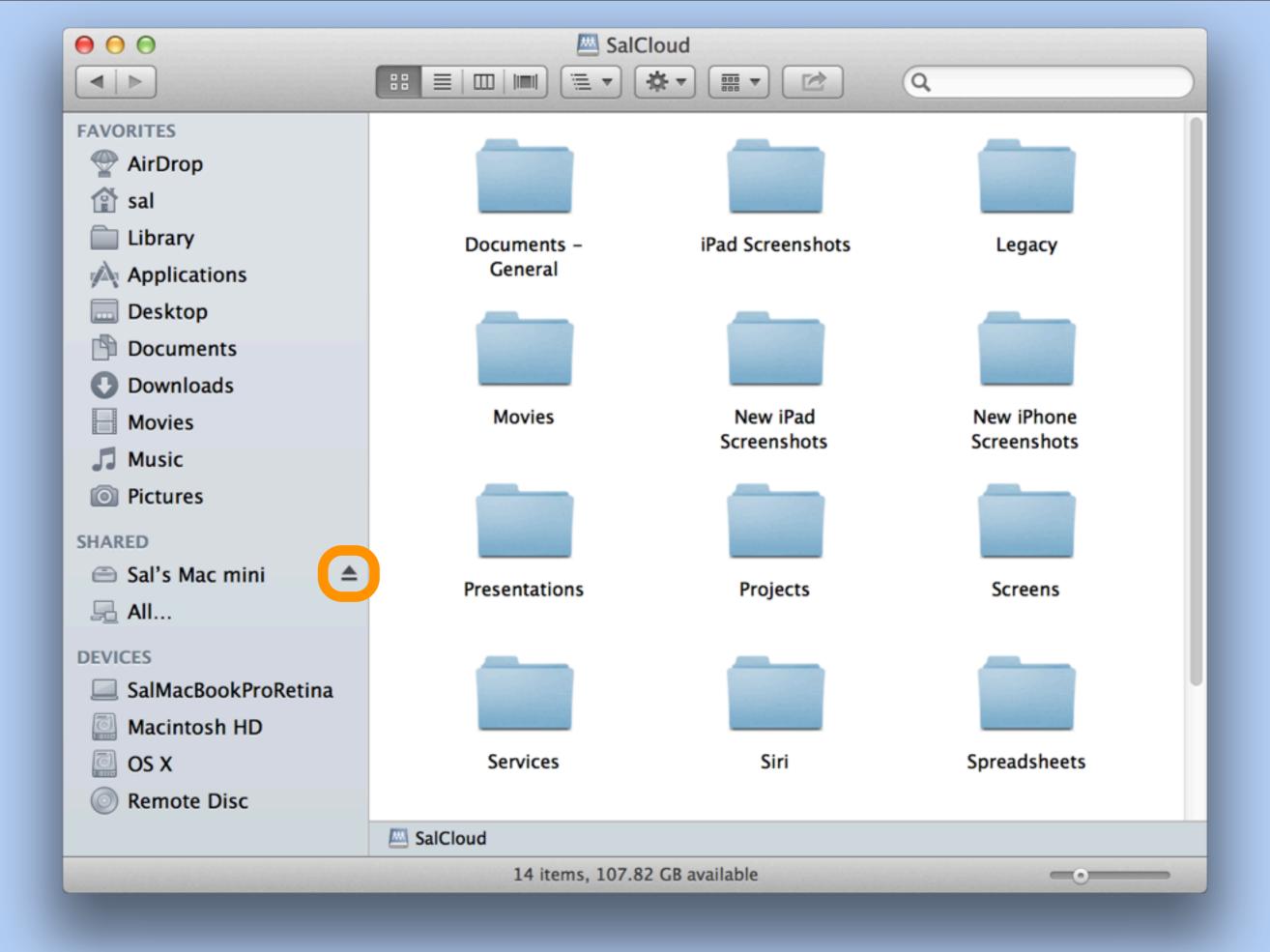




	er your name and password for the server I's Mac mini".
Cor	nect as: 💿 Registered User
	Using an Apple ID
	Name: sal
Pa	assword:
Remember this password in my keychain	
Change Password Cancel Connect	

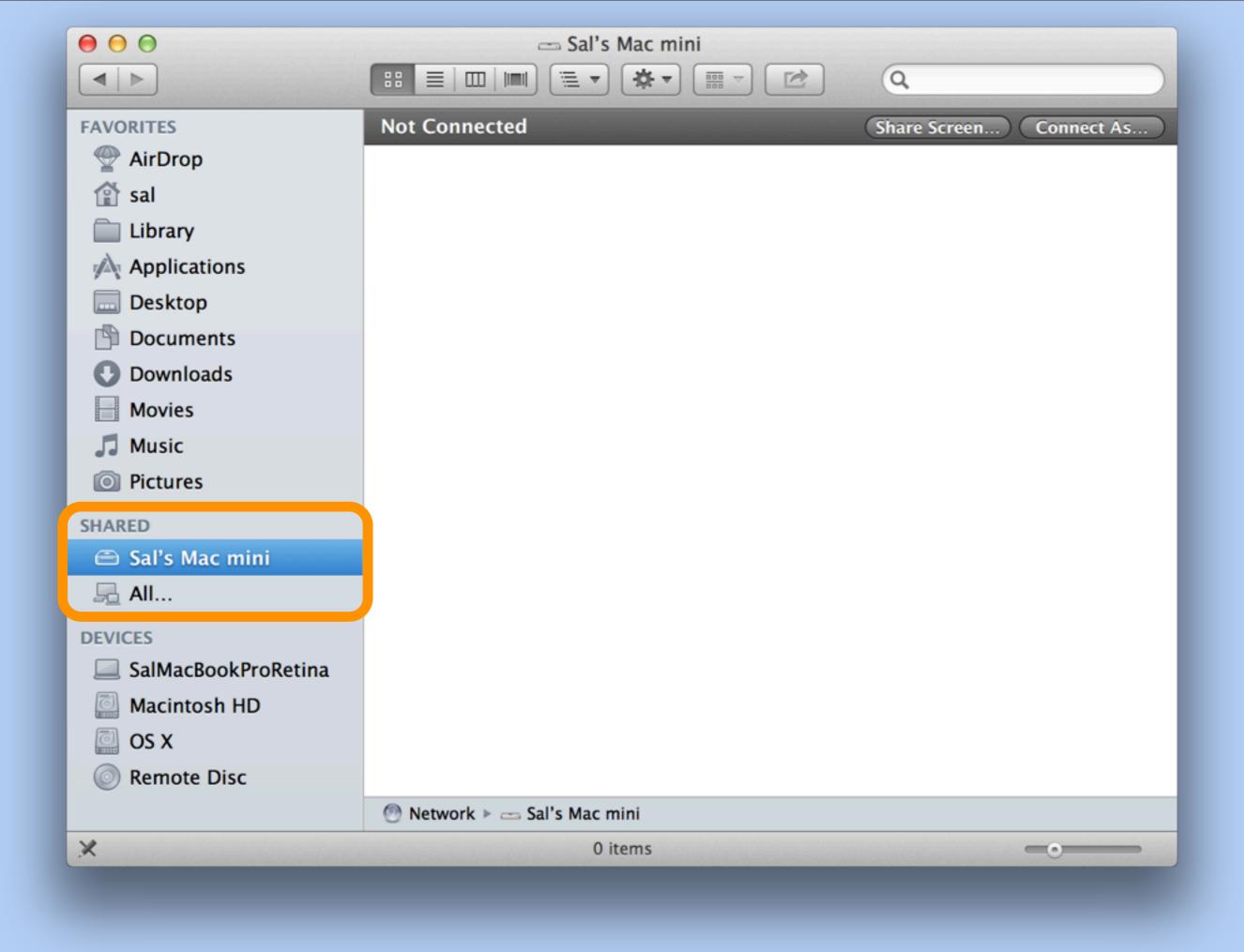


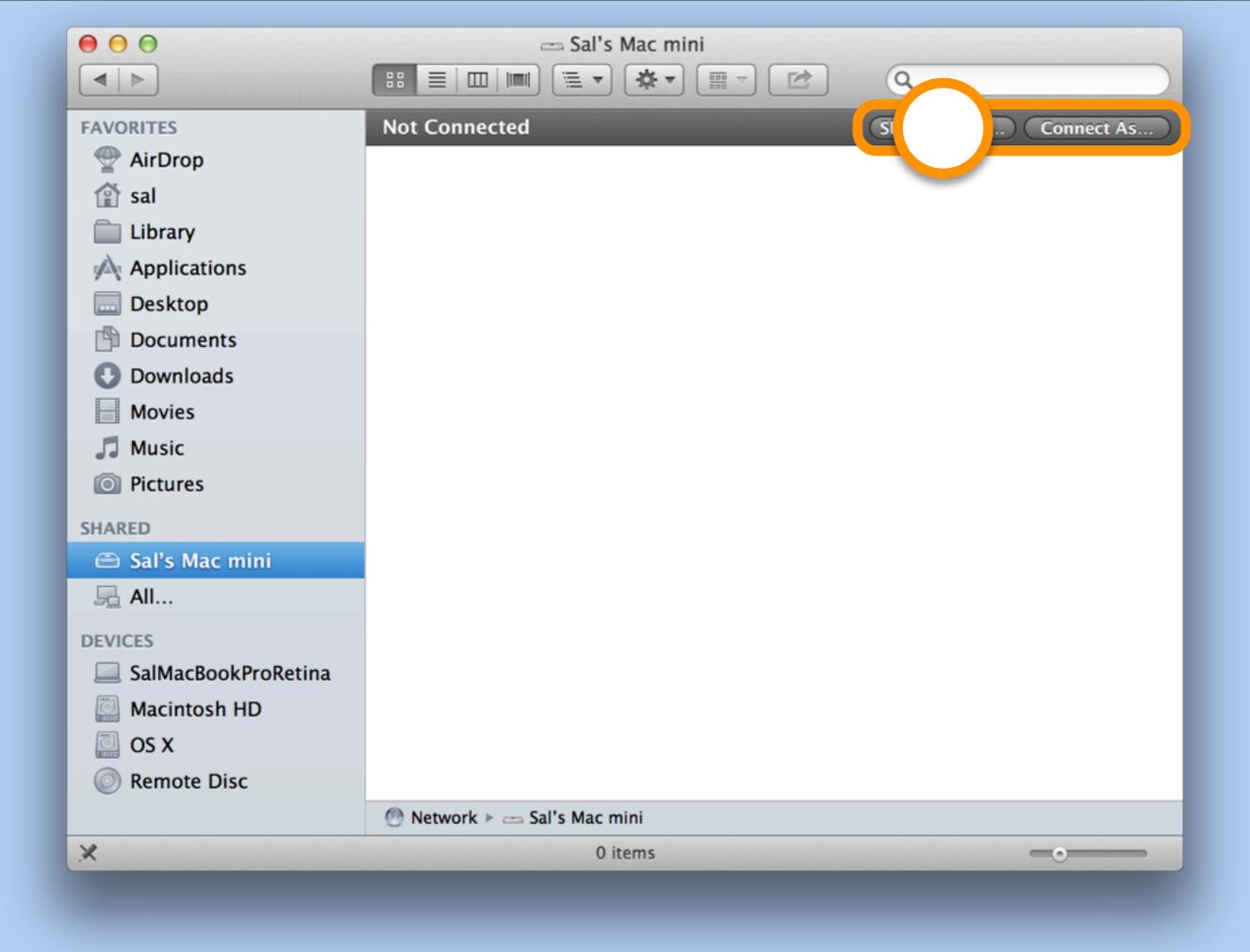


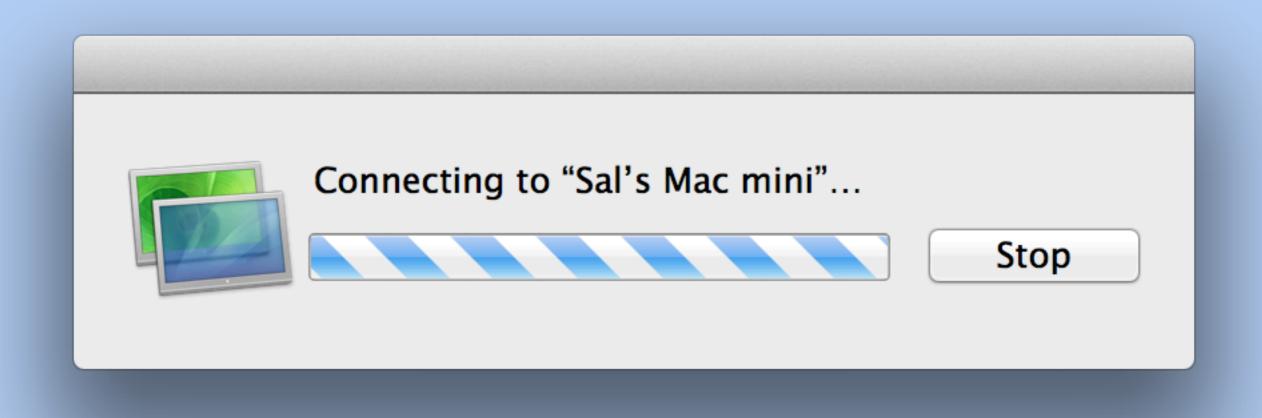


Screen Sharing











Enter your name and password to share the screen of "Sal's Mac mini".

Connect: • As a registered user

Using an Apple ID

Name: sal

Password:

Remember this password in my keychain

Cancel

Connect



Enter your name and password to share the screen of "Sal's Mac mini".

Connect: • As a registered user

Using an Apple ID

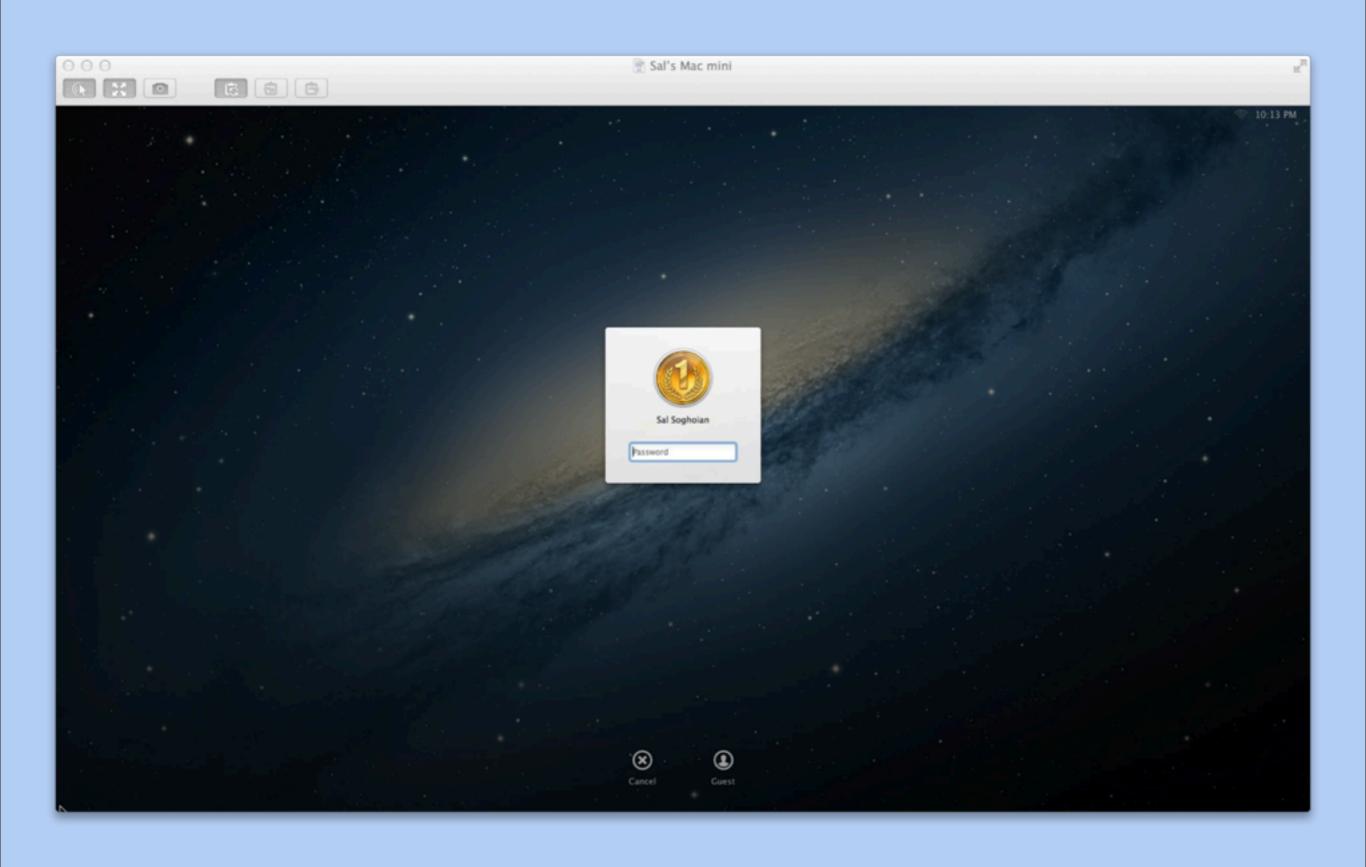
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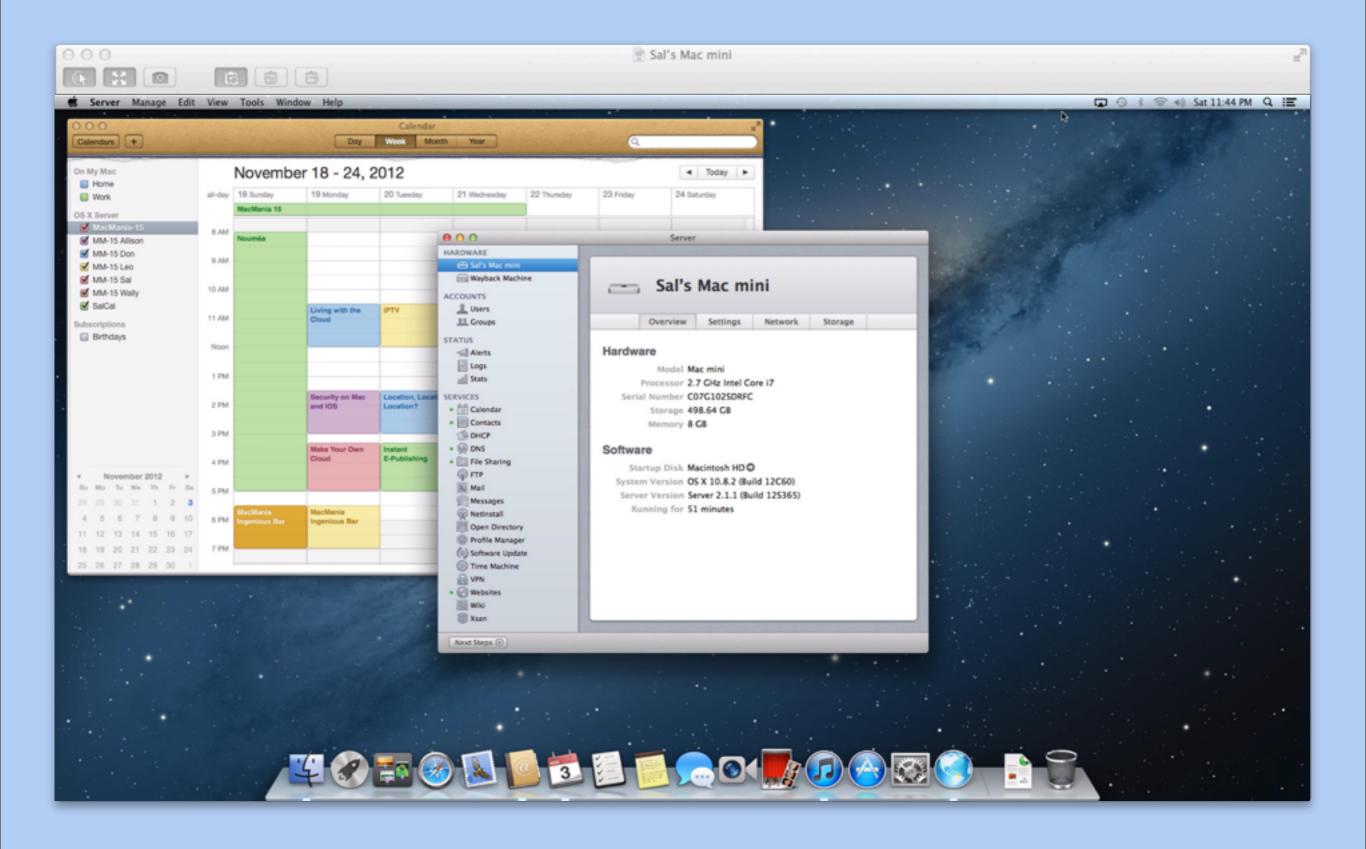
Password:

Remember this password in my keychain

Cancel

Connect







Summary

Make Your Own Cloud

- Privacy
- Protection
- Multi-Platform Support



