



Mac OS X



Mac OS X Advanced

University of Utah Student Computing Labs Macintosh Support mac@scl.utah.edu

Previous Classes

- Mac OS X Technology and History
- Mac OS X Basics
- Mac OS X Intermediate
 - Presentation Slides Online
 - Presentation Videos Online
 - www.macos.utah.edu







File System



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File System – Start Tour

• Activate Finder by clicking on desktop of clicking on Finder icon in the Dock.



Click the Computer icon



Select your startup disk name





b-

• The following window will display





Applications



The Applications folder holds software that is available to all users of the machine.



- Applications
 - Contains Apple
 & Third-Party
 software
 - Contains "Utilities" folder.

00	0		🛃 Applicat	ions			0
•		:: = =			Ŵ	A	>>
Back	Forward	View	Computer	Home	Favorites	Applications	
		21	items, 10.56 G	8 available			
	Name				Date M	odified	
2	iChat			Yester	Yesterday, 5:03 AM		
	Image Capture			Yester	Yesterday, 4:58 AM		
10	iMovie			8/26/	8/26/01, 12:06 PM		
34	Internet Connect			Yester	Yesterday, 4:42 AM		
8	Internet Explorer			5/30/	5/30/02, 4:44 PM		
	iPhoto				Yester		
43	iTunes			Yester	Yesterday, 4:23 AM		
1	Mail			7/3/02, 5:38 AM			
44	Preview			Yesterday, 5:01 AM			
Q	QuickTime Player			Yesterday, 4:53 AM			
4	Sherlock			Yesterday, 5:02 AM			
-	Stickies			Yesterday, 4:31 AM		14	
18	System F	references			Yester	day, 4:47 AM	Ŧ
					0.0100.000)•	+ /

- To avoid problems/confusion with software upgrades
 - Recommend that you do not re-organize apps inside sub-folders or rename applications, especially Apple's



- Applications
 - If you want to re-organize and rename
 - Keep track of original application name and location
 - Move & rename application to its original name and location before upgrading software
 - Use tools like Pacifist to force package installers to custom locations

(🖯 🖯 🔿 🔿 i	Tunes3.pkg			
Install Extract To Get Info				Not Authorized
Package Install Directory: /				
Package is a receipt				
Package contains no files to extract				
Size of selected files: 0.0 bytes				
Filename	Size Owner	Group	Permissions	Mod. Date
🔻 🥪 Package Contents	15.7 MB			
Applications	15.7 MB root	admin	drwxrwxr-x	
▶ 📁 System	65.2 KB root	wheel	drwxr-xr-x	



• Library



The main Library folder stores components for the OS and installed programs.





Application Support holds accessory software like Stuffit Engine.cfm





<u>Desktop Pictures</u> holds default pictures available to all users.





<u>Documentation</u> holds application Read Me files & other documentation that can be accessed with Help, etc.





<u>Contextual Menu Items</u> holds third-party contextual menus like lomega that allows users to format zips





Internet Plug-Ins holds plug-ins for your browsers like QuickTime and Shockwave.





<u>Preferences</u> holds a couple systemwide preferences, such as the loginwindow.





<u>Printers</u> holds third-party drivers for Epson, HP and Lexmark printers.





<u>StartupItems</u> is similar to the Mac OS 9 Startup Items folder, mostly for 3rd Party software like Timbuktu Pro





<u>Screen Savers</u> holds the screen savers available to all users.





<u>PreferencePanes</u> holds 3rd Party System Preference panes like TinkerTool, Default Folder, etc.





<u>User Pictures</u> contains User Pictures that are available to all users and are used in the Login Window.



System



The System folder contains the core "Mac OS X" software.



File System – System

- System folder Notable Items
 - <u>CoreServices</u> Home of the Finder, the dock, the login panel images, Software Update, etc.
 - <u>Extensions</u> Holds various extensions for items like SCSI cards, video adapters, USB devices, etc.
 - Fonts The core OS fonts, users shouldn't add delete fonts in this folder.









File System – System

- System folder Notable Items
 - Frameworks Folders containing the essential pieces of OS X. They are similar to Mac OS 9 dynamic shared libraries.





Frameworks

 <u>ScreenSavers</u> – Holds Apple's default screen savers like Beach, Forest, etc.





File System – System

- System folder Notable Items
 - <u>Services</u> Holds software that allows you to access certain features in one app another app.
 - Startupltems Holds software various protocols that load startup. These include Apache Web server, AppleShare, AppleTalk, Network Time, etc.







System Folder



The "System Folder" folder is the Mac OS 9.x (Classic) operating system folder.



Users



The Users folder holds each users Home folder.



• Users

$\Theta \Theta \Theta$	👚 richard	0
	9 items, 42.97 GB available	
H		
Desktop	Documents	Library
Movies	Music	Pictures
Public		Sites
4		

Users folder contains 8 Desktop and Library are REQUIRED.



• Desktop

000	👚 richard	0
	9 items, 42.97 GB available	
Desktop	Documents	Library
Movies	Music	Pictures
Public		Sites
•(:)) ► //

Files stored here, appear on the desktop



Documents



The default location for saving/opening files.



• Library



Has similar functionality as /Library folder but for the specific user. Includes, Prefs, Fonts, Screen Savers, etc.



Movies



iMovie defaults to saving projects to this folder.



Music & Pictures



iTunes and iPhoto use these folders. They should exist for these applications to work properly.



Public



Used by "Personal File Sharing" to share files over the network.



Public



Allows network guest users to put files in "Drop Box"



Sites



This folder is used by "Personal Web Sharing" for users web sites.


File System – Users

	Mac OS X Personal	Web Sharing	
A ⊨ 0 + 6	http://10.0.1.51/~richard/	▲ Google	o 🕷
Apple * F.U.L.*	Mac OS X* UEF* U of U* Personal* Macworld* New C	orleans * UNIX Tutorir Beginners	
	Your websi	te here.	
Now you compan	a can use Mac OS X Personal Web Sharing to publish w y's (or school's) local area network — from a folder or	eb pages or share files on the Internet — or on your your hard disk.	
You can Mac OS	display your documents on the Internet — or restrict X Personal Web Sharing makes it a snap.	access to a chosen few within a local area network.	
Here's H the Site: ready fo	ow it works: Once you're online, all you need to do is folder in your Home directory, on your computer's h r viewing. Make sure you have someone handy to excl	copy a file in HTML format to the Web Pages folder ard disk), and that's it. You're done — your page is hange high fives with.	(in

http://your-ip-or-dns/~yourname



File System – Root Level

Developer



The Developer will be available if you installed the Developer Tools. Useful for programming.









Classic – What is it?

- Mac OS X Environment like Carbon & Cocoa
 - Runs Mac OS 9.x operating system as a process
 - Usually, slower than running Mac OS 9
 - Allows running most Mac OS 9 applications
 - Developed for user transition to Mac OS X



Classic – Why use it?

- Transition
 - If you don't have the money to upgrade software and/or hardware
 - Developer hasn't released a Mac OS X version
 - There isn't an alternative Mac OS X application
 - Older documents can't be converted



Classic – Why NOT use it?

- Apps Do Not run Properly
 - Some classic applications do not run properly
 - Startup into Mac OS 9, while you can.
- Classic Apps Crash
 - Individual Classic Apps can crash other Classic apps and/or the Classic environment
 - The Classic Environment is Memory Protected
- Classic Apps Usually Slower



Classic – Why NOT use it?

- Apple is NOT supporting & developing for Mac OS 9
 - No future support for booting in Mac OS 9
 - No hardware release after June 30, 2003
 - The are planning to support Classic
 - Wants developers to focus on Mac OS X
 - Many software companies eliminating or severely reducing Mac 0S 9 development.



Classic – Mac OS 9 "Dead"?



Nightmare in Cupertino!

Classic – Requirements

- Mac OS 9.1.x (9.2.2 is best)
 - You need the right version of Mac OS 9
 - Mac OS X 10.1, required Mac OS 9.1 or higher
 - Mac OS X 10.2, requires Mac OS 9.2, or higher
- 256MB RAM or even more
- 400MHz G3 or better



Classic – Installation

- It should be included with default Mac OS X installation from factory.
- Else startup from Mac OS 9 Installation CD and install.
- Optimizing
 - Update to latest version of Mac OS 9
 - Disable unneeded startup files
 - Launch Classic & allow it to modify System
 Folder



Classic – Optimizing Tools

Info on Mac OS 9 Startup Items

– Extension Overload

Extension Overload Control	Extensions
Extension Overlead Version @	On/Off Name Version Package Size Type Creator A Image: Conflict Extension** 0.0.0 Conflict Catcher** 0 5.K ' INIT' ' pé00' A
Manage your Control Panels	
Manage your Fonts Manage your Child Plugins Manage your Child Plugins	Information Information Image: State and State
Search Database	This extension guards equinat viruses as soon as your computer starts up. It works like a sentry in the background, elerting you when it detects an infected file or suspects a virus. It either eliminates the virus automatically or gives you the option to repair the file on the spot. When you install Norton AntiVirus, Auto-Protect is already running. Occasionally, you may need to turn Norton AntiVirus Auto-Protect off to install software or complete some other job. Note: Norton AntiVirus Auto-Protect must be installed for scheduling to work. Older versions of At Ease may conflict with Norton AntiVirus Auto-Protect on startup. Norton recommends using
This copy is registered to Teng Chou Hing PPC © Redpoint Software 1999-2001. © Teng Chou Hing 1996-2001.	Cancel Cancel Done Done



Classic – Optimizing Tools

- Startup file management & conflict testing
 - Conflict Catcher

			Conflict Catcher E E				
			. چ	Active Set: lean - netba 🔻			🍓 Conflict Test 🛭 📋 Report
	Conflict Test		Q, L	isted by Company	▼ Company	▼ ≛ ▲	FireWire Enabler
Conflict Q	Conflict Test: System Folder Items		ł	D1 Extension Energy Saver	Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc.		Version: 2.7 Kind: native driver Size: 110.1K
Catcher	Automatically Continue Test			File Sharing Extension	Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc.		Type/Creator: ndv/fw Sys. Memory: N/A High Memory: N/A Lead time: N/A Created: 10/10/200012:00/H
AL AND	Needed Files If you know of any files that must be enabled to reproduce your problem, select them now.		Q,	File Sharing Library Find Dy Content FineVire Enabler	Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc.		Hedified: 10/10/20012/00H Installed: 00/00/2001 2/27 AH Open Trash
E Ka	Intuition If you believe you know which files are causing your problem, select them now.			FontSync Extension Foreign File Access General Controls GoggleSprocketLib	Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc. Apple Computer, Inc.	÷	This file is required to use FireWire devices with your computer. Apple Computer, Inc. 1 Infinite Loop
	Go Back Continue Start Cancel		Grou	p Links Ø (Apple CD/DVD Group) Ø (Apple DVD Player Group) Ø Apple Game Sprockets Dro Ø Apple Veb Sharing Group	ф.	•	Cupertino, CA 95014 Process 408-996-0275 Updates: http://popertinfe.pode.com/ffb/mir carc.html Infe: 1056-0275



Classic – Using Classic

Select the Classic Startup Volume

0	Classic
All Displays Sound Net	work Startup Disk
Start/St	op Advanced Memory/Versions
Classic is an environment automatically when a Cla	t for running Mac OS 9 applications. It starts
Classic is not running	she appreaded to radicical, or it can be started refer
Select a system folder for	r Classic:
▼Hard Disk	Start Classic when you log in
Mac OS X Old Mac OS X	Warn before starting Classic
Start Click Star	rt to start the Classic environment.
Restart	
Force Quit	

Classic – Launch Classic

- You have three methods for launching the Classic environment.
 - Manually
 Start Click Start to start the Classic environment.
 Start Click Start to start the Classic environment.
 Select a system folder for Classic:

 "Hard Disk System Folder
 Warn before starting Classic
 Warn before starting Classic

 Launch a Classic App

 Start Click Start to start the Classic environment.



Classic – Launch Classic

Classic launching with desktop window showing

♥ Hide Mac OS	Classic Environment starting from "/Classic/System Folder" Stop 9 desktop window	
	<u> </u>	
	Mac OS 9.2	
22		
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Classic – Launch Classic Classic launching with desktop window hidden





Classic – Look & Feel

- When you launch a Classic app
 - It bounces in the dock & remains there while the application is running WordPerfect 3.5e
 - But when it is active:
 - All menus switch and the menu bar switch to Mac OS 9 Platinum appearance.
 - 🖌 👙 File Edit Insert Layout Tools Table Font Size Style Window Help

EXEX X

 Switching between the Mac OS 9 & Mac OS X interfaces can cause some confusion



Classic – Look & Feel Classic application WordPerfect 3.5e



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Classic – Stop & Force Quit

0		Classi	c	C
w All Displays	Sound Network St	tartup Disk		
	Start/Stop A	dvanced	Memory/Versions	_
Classic is an er automatically v Classic is run	nvironment for run when a Classic app ning on "/Mac OS	nning Mac plication is S X/Syster	OS 9 applications. It starts launched, or it can be started here. n Folder"	
Select a system	n folder for Classic	c:		
▼Mac OS X System Fol	lder	Sta	rt Classic when you log in rn before starting Classic	
Stop	Click Stop to quit changes) and stop	your Classic p Classic.	applications (you can save any unsaved	
Restart	Click Restart to qui changes) and rest	uit your Clas tart Classic.	sic applications (you can save any unsaved	
Force Quit	Click Force Quit to	o stop Class	ic immediately. This will quit all Classic	

Classic – Stop & Force Quit

Stop Classic



Click Stop to quit your Classic applications (you can save any unsaved changes) and stop Classic.

Force Quit

Force Quit

Click Force Quit to stop Classic immediately. This will quit all Classic applications without saving any changes to open documents.

- Other Methods
 - Using Apple Menu
 - Using Keyboard
 Shortcut



Force Quit Applications
 If an application doesn't respond for a while, select its name and click Force Quit.
 Acrobat Reader
 Classic Environment
 Disk Copy
 DragThing
 Eudora
 Explorer
 Tumes
 Keynote

Force Quit

You can open this window by pressing

Command+Option+Escape

Classic – Advanced

<u> </u>	Classic
w All Displays Sound N	etwork Startup Disk
Start/S	itop Advanced Memory/Versions
Startup Options	
Turn Off Extensions	Start Classic
	Start or Restart Classic with extensions off.
Use preferences fro	om home folder n it is inactive for
Classic is inactive when n- applications are running.	2 min 5 10 20 30 60 Never
Classic is inactive when n applications are running. Other Classic Utilities	2 min 5 10 20 30 60 Never

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Classic – Advanced

Startup Options Turn Off Extensions

Startup Options

Turn Off Extensions

.

Restart Classic

Start or Restart Classic with extensions off.

✓ Turn Off Extensions

Open Extensions Manager Use Key Combination:

Open Extensions Manager

.

Startup Options ____

Open Extensions Manager

Restart Classic

Open the Extensions Manager in Classic after Starting or Restarting.

– Use Keyboard Combination

Startup Options				
Use Key Combinat	tion:	•	(Restart Classic)	Clear Keys
<press td="" to<="" up=""><td>five keys></td><td></td><td>Start or Restart Classic w pressed. Individually pre</td><td>ith these keys ss the keys.</td></press>	five keys>		Start or Restart Classic w pressed. Individually pre	ith these keys ss the keys.

Classic – Advanced

- Startup Options
 - Use Preferences in home folder

Use preferences from home folder

Put Classic sleep if it is inactive for

Put Classic to sleep when it is inactive for

Classic is inactive when no Classic applications are running.



– Other Classic Utilities – Rebuild Desktop

Other Classic Utilities ...

Rebuild Desktop

Rebuilds the Classic desktop file of icons and documentapplication bindings for the selected startup volume. This can be used separately from starting Classic.

Classic – Memory/Versions

		Classic	0
All Displays Sou	nd Network Star	rtup Disk	
5	start/Stop Ad	vanced Memory/Ver	sions
Active Processes			
Process Name	Memo	ry Usage	
WordPerfect 3.5e			
Mac OS:	9.2.2	🗌 Show ba	ackground processes
Classic Support:	2.1.1		
Classic Enabler:	9.3.3		
lassic Environment:	Classic version 1.7	.5. build 141.17. Feb 7 200	03. 17:06:56

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Classic – Memory/Versions

- Memory
- Active Processes

Process Name WordPerfect 3.5e

830 / 6245 KB

Memory Usage

Adjusting Application Memory

Versions

Mac OS:	9.2.1 Show background
Classic Support:	2.1.1
Classic Enabler:	9.3.3
Classic Environment:	Classic version 1.7.5, build 141.17, Feb 7 2003, 17:06:56

♥ General:		
WordPerf	ect 3.5e	
Kind: Classic App	lication	
Size: 3.3 MB on d	lisk (3,529,	194 bytes
Where: Desktop:Wo 3.5e:Applic	ations.Wore	dPerfect 3.
Created: Sat, Feb 28, Modified: Thu Jun 20	2000 6:4	7 AM
Version: 3.5e, © 199 and Corel C WordPerfect	7 Corel Co orporation t® 3.5e	rporation Limited
Lacked		
Locked		
 Locked Name & Extension: 		
Locked Name & Extension: Preview:		
Locked Name & Extension: Preview: Memory:		
Locked Name & Extension: Preview: Memory: Suggested Size:	3200	KB
Locked Name & Extension: Preview: Memory: Suggested Size: Minimum Size:	3200 1200	КВ
Locked Name & Extension: Preview: Memory: Suggested Size: Minimum Size: Preferred Size:	3200 1200 3200	KB KB KB
 Locked Name & Extension: Preview: Memory: Suggested Size: Minimum Size: Preferred Size: Ownership & Permi 	3200 1200 3200	KB KB KB



Dual Booting



Dual Booting – What is it?

- Starting up off multiple OS's
 - Mac OS 9
 - Mac OS X
- Why?
 - Compatibility & Speed
 - Learning Mac OS X
- Note, this is a temporary solution
 - Upgrade peripheral(s) or software
 - Or use alternate software



Dual Booting – Switching OS's

- Switching between OS's...
- In Mac OS X
 - Startup Disk
 - Located in System Preferences



- In Mac OS 9
 - Startup Disk
 - Located in Control Panels

	Startu	p Disk	DE
Selec	t the Mac OS system folder to sta	rt up your computer:	
	Neme	Yersion	
7 🖂	Mac 05 X	Mec 05 X 10.2.3 (Build 6637	0
	Mac 05 X System:	Mac 05 X 10.2.3 (Build 6637	0
	Hac 05 X:System Folder:	Hec 05 9.2.2	
L S	Network Disk		÷
0		Rest	art



Dual Booting – Switching OS's

- Or use Startup Manager (aka Boot Picker)
 - Hold down the Option key on startup
 - The following screen will display:





Multiple Users



Multiple Users – Mac OS 9

- Mac OS 9 used Multiple Users
 - Did a reasonable job of implementation
 - Built on-top a single user OS.
 - Many applications were incompatible

Multiple Users	E	Edit "New User"	B
Misha eviter Multiple User Accounts: Q On @ Off	Open Duplicate Delete Options	User Name: New User Pessword: Kind of User Account: Normal Difference of the Setup Details User Info Applications Provingen Alternate Password User Picture: User Picture: User Can change password Can log in Can manage user accounts Access by others to user's documents: Bool only 0	Ø



Multiple Users – Mac OS X

Mac OS X

- Built as a Multi-User OS
- Can be set to force everyone to login
- Or can be set to auto-login for one user

880	My Account	0	0 O Accounts	0
Show All Displays Sou	M Network Startup Disk		Shose Al Displays Sound Network Startup Dick	
U My Passwi My Pich	ser: Richard Glaser rd: Change THE Drug a pacture from the finder, salest one beine, or cital Onesse Another to locate a picture file. Change Another Content Another Content and the file of th		Petture Name Pype Petture Richard Claser Admin Petture Claser Petture Claser	New User
My Address Book C	• • • • • • • • • • • • • • • • • • •		 Eng in automatically as Richard Gauer Click the lock to prevent further changes. 	



Mac OS X – My Account

$\bigcirc \bigcirc \bigcirc \bigcirc$		My Account	0
Show All	Displays Sound Network	Startup Disk	
	User: Richard	Glaser	
	My Password: Char	ige	
	My Picture:	Drag a picture from the Finder, select one below, or click Choose Another to locate a picture file. Choose Another	
My Ad	dress Book Card: Edi	t	

Mac OS X Users – My Account

Change Password	Current Password:	
	New Password:	•••••
My Password: Change	Verify:	•••••
	Password Hint: (optional)	
	My Picture:	
		Cancel OK

My Picture





Mac OS X Users – My Account

My Address Book	Address Book
My Address Book Card: Edit	Richard Glaser
	home uurazzle (AIM) Note:
	+ Edit • //.



Mac OS X Users – Accounts

- Why setup accounts for multiple users?
 - Security
 - Protects users from deleting/modifying others docs
 - Restricts access to the computer to authorized users
 - User Customization
 - Desktop Picture, Screen Saver, Dock Settings & Icons
 - Web browser bookmarks and settings
 - Application Settings (Word default font, etc.)
 - Troubleshooting
 - Workaround account specific issues


- Multiple Account Scenarios
 - Home
 - Mother or Father Admin
 - Mother or Father User
 - Kid(s) User(s)
 - Dept
 - Dept. Admin
 - Secretary User
 - Student(s) User(s)

- Wouldn't recommend using multiple admin's



how All Displays Sound Net	Accounts	
Picture Name Image: Students Richard Glaser	Type Admin	New User Edit User Capabilities Set Auto Login
Log in automatically as Click the lock to prevent	Richard Glaser further changes.	Delete User

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- Administrative Accounts
 - Can install programs into the /Applications folder.
 - This is the main shared location used by users for launching applications.

	0
5 items, 59.33 GB available	
Hard Disk	⊳
Developer	Þ
Mac OS X	Þ
System	Þ
Mac OS X Old	Þ

- Administrative Accounts
 - Non-Admin Users can install/use Apps in their home folder, if it does require Admin rights.

00		🏦 richard			0
		9 items, 59.33 GB a	vailable		
Applications	⊳	傄 richard	►	🔝 Desktop	
📁 Developer	⊳	📁 Shared	⊳	Documents	
🗊 Library	⊳			🗊 Library	
🗊 System	⊳			鯶 Movies	
🗊 Users	⊳			🚺 Music	
				Pictures	
				🚺 Public	
				📁 Shared	
				📁 Sites	
	11			1	
4) + 4

• Administrative Accounts – Installers Ex.

- FruitMenu	000		FruitMenu Installer	
		Unsanity In passphras	Authenticate nstaller requires that you type your e.	
	We are When you click done because	Name: Password or phrase: Details	admin Cancel OK	i product. If needed. This is unction properly.
	Go Back	Step	4 of 6: Ready To Install	Continue

• Administrative Accounts – Software Ex.

Disk Iltility	000	Disk Utility
DISK Utility	0 Disks and 0 Volumes Selected 115.04 GB IBM- Mac OS X 19.11 GB WDC Hard Disk Mac OS X Old	Information First Aid Erase Partition RAID Important of the second
	Authenticating	

Administrative Accounts

- Some System Preferences require admin



Administrative Accounts

- Energy Saver requires an Admin Account

000		Ener	py Saver		C
146		G 🗾			
Show All	Displays Sound	Network Startup (Disk		
		Sleep	Options		
Put the	computer to sk	ep when it is in	active for:		
	1 min	15 min	1.14	3 hrs Never	
	e separate time	to put the displ	ay to sleep		
	1 min	15 min	1.14	3 hrs Never	
	16	ystem Preferenci assphrase.	es requires that y	ou type your	
		Name: admin			
stiple User - I	Password or	r phrase:			
indexis tractive a	Details				
me System P	(?)		Cancel	Сок и	

- Administrative Accounts
 - Network requires an Admin Account

e Display	Sound Network Startup Di	ık.
	Location: Autom	etic 🕴
how: Built-in	Ethernet	
	TCP/IP PPINE	AppleTalk Proxies
Confi	pure: Manually	1
		DNS Servers
IP Add	HEIS: 155.99.57.60	128.110.124.120
Subnet A	task: 255.255.255.0	110.110.131.33
	uter: 155.99.57.1	Search Domains (Optional)
Dhemet Ad	frens: 00:03:93 ac.9d %	Example: apple.com earthlink.net
_	Authe	NICAN
• •• 4	System Preference passphrase.	s requires that you type your 120
	Name: admin	
P. 1	assword or phrase:	
	Details	
		(Crust)

Administrative Accounts

- Accounts requires an Admin Account

00		Accounts	
Show All Displa	ys Sound Networ	k Startup Disk	
		Users Login Options	
Picture N	ime chard Glaser	Type Admin	Edit User
			Capabilities
6		Authenticate	Oelete User)
🗹 Log in	a 🛋 Syst	iem Preferences require sphrase.	s that you type your
	Password or pl	Name: admin	
	?	6	Cancel OK

Administrative Accounts

- Date & Time requires an Admin Account



Administrative Accounts

- Startup Disk requires an Admin Account

000	Start	up Disk	(
Show All Displays S	💩 🚱 🗾	Nisk	
Select the system y	you want to use to st	art up your computer	
	9		0
Mac OS X, 10.2.4 on Mac OS X	Mac OS 9.2.1 on Hard Disk	Mac OS X, 10.2.1 on Mac OS X Old	Macintosh Class Network Volume
	System Preference passphrase.	s requires that you typ	e your Nestart
			_
	Name: admin		_
Passwo	Name: admin		2
Passwo Detai	Name: admin add or phrase:		2

- Administrative Accounts
 - Other notable privileges
 - <u>Adding fonts</u> to /Library/Fonts folder that all users can access.

		Difference Fonts		0
		100 items, 59.28 GB avai	lable	
Applications	Þ	📁 Documentation	#Gungseouche.dfo	nt 🧍
🧊 Developer	Þ	📁 Filesystems	#HeadlineA.dfont	0
🗯 Library	Þ	🗊 Fonts	#PCmyoungjo.dfor	it
🧊 System	Þ	📁 Frameworks	m A #Pilgiche.dfont	
📜 Users	- P	📁 Image Capture	Adobe Sans MM	
		📁 InputManagers	🕨 📝 Adobe Serif MM	
		📁 Internet Plug-Ins	🕨 📉 🚮 AdobeFnt.Ist	
		Internet Search Sites	AdobeSanMM	A
		📁 Java	AdobeSerMM	- k
		📁 Keyboard Layouts	🕨 🥒 🕅 AlBayan.ttf 🛛 🖾	adfont
		📁 Logs	AlBayanBold.ttf	3
	11	Modem Scripts	► I Di AmaricanTunawrite	r dfont

- Administrative Accounts
 - Other notable privileges
 - <u>Create & delete folders</u> outside user folder



Sel	ect what student can do	with this computer		
🗌 Use Si	mple Finder			
This user	can:			
Remov	ve items from the Dock	Change password	1	
Open	all System Preferences	Burn CDs or DVD	S USC	
🗹 Use or	nly these applications:			
To add oth	er applications, drag them the	list or click Locate.		
Allow	Application		- filit	
	Applications			
	► Utilities			
	Applications (Mac OS 9))		
⊻	▶ Others			
	Check All Uncheck Al	Locate		
		Cancel OK		

• Capabilities – Simple Finder





• Capabilities – Simple Finder

Finder File					40 Wed 4:31 PM	
Sleep Log Out	ONO					ざ Sleep Log Out 企業Q
	000	🚺 My Api	plications			
		-	24			Finder
	Applet Launcher	BabeScript Demo	BitFort	Calculator		About Finder
	ED -	್ಷ	1	<i>~</i>		Run Full Finder
	Clock	Disk Copy	Crab	iCab		Hide Finder %H
/	Kine 1.0.1	Image Capture		Internet Explorer 5.2.2		Hide Others へんまり Show All
/	斎		(=)	A		File
/ /	Iomega Tools	Java Plugin Settings	Java Web Start	KeyMap		Close Window %W
		e 🛛 3	23			
/				-		

Capabilities – Other Restrictions

This user can:

- Remove items from the Dock
- 🗹 Open all System Preferences



- Remove items from the dock
- Open all System Preferences
- Change password
- Burn CDs or DVDs

Capabilities – Use only these Applications

Select what test can do with this computer	
This user can: Remove items from the Dock Change password Open all System Preferences Burn CDs or DVDs Show these applications in "My Applications" folder: To add other applications, drag them the list or click Locate	Coloct Applications this
Allow Application ✓ ▶ Applications ✓ ▶ Utilities ✓ ▶ Applications (Mac OS 9) ✓ ▶ Others	user will have access
Check All Uncheck All Locate Cancel OK	



• Set Auto Login... Set Auto Login...

000 Accounts Name: test Show All Display Password: Cancel OK Picture Na. New User.. **Richard Glaser** Admin Edit User. Capabilities. test Set Auto Login. Delete User... Log in automatically as Richard Glaser Click the lock to prevent further changes.

• Delete User

Accounts		0				
Are you sure you wa account "test"? This user account will be contents of the user's hou file in the Deleted Users fi contents of the user's hou	ant to delete the user deleted permanently. The me, "test," will be put in a older. To access the me, open the file.	1				
chued Glaser Admin	OK Cancel ser					
st	Capabilities					
	C Det Hoto Logan)					
	Delete User			'Dele	te User	."
tomatically as Richard Glaser	Delete User		Deleted Users	'Dele	te User	." (
tomatically as Richard Glaser	Delete User		Deleted Users	'Dele	te User	."
tomatically as Richard Glaser ock to prevent further changes.	Delete User	(Deleted Users Deleted Users item, 59.2 GB available Deleted Users richard	'Dele	te User	."
tomatically as Richard Glaser lock to prevent further changes.	Delete User	4	Select 4 Deleted Users 1 item, 59.2 GB available Deleted Users richard Shared	'Dele	te User	."
tomatically as Richard Glaser lock to prevent further changes.	Delete User		Select 4 Deleted Users 1 item, 59.2 GB available Deleted Users richard Shared	'Dele	te User	."
itomatically as Richard Glaser lock to prevent further changes.	Delete User Delete User Applications Developer Library System Users		Select 4 Deleted Users 1 item, 59.2 GB available Deleted Users richard Shared	'Dele	te User	."



• Login Options

00	Accounts	0
1 6	💻 💩 🚱 📃	
Show All	Displays Sound Network Startup Disk	
	Users Login Options	_
	Display Login Window as: O Name and password	
	List of users	
	Hide the Restart and Shut Down buttons	
	Show password hint after 3 attempts to enter a password	
		_
0		
Clie	ck the lock to prevent further changes.	

• Login Options

Display Login Window as: 🔘 Name and password

List of users

- Name and Password

	Mac OS X MSMac-21		
Name: Password:	test		Enter name or short name here
Restart Shut Down		Cog In	

• Login Options

Display Login Window as: 🔘 Name and password

List of users

- List of Users





• Login Options

Display Login Window as: 🔘 Name and password

- List of Users





List of users

Then Displays List of Users



• Login Options

Hide the Restart and Shut Down buttons Show password hint after 3 attempts to enter a password

Other Options – Hide Restart/Shut Down



• Login Options

Hide the Restart and Shut Down buttons
Show password hint after 3 attempts to enter a password

- Other Options - Show Password Hint

Mac	OS X 105 X
Name: test	
Password:	
Restart Shut Down	() Log In

You've entered an invalid password 3 times. Password Hint: The gingerbread man OK Mare: test Password: Restart Shut Down Log In

Incorrect password entered three times

Password hint displays



Contact Information



• <u>Campus Mac Web Site</u>: www.macos.utah.edu

• <u>Campus Mac Email:</u> mac@scl.utah.edu

• <u>Apple Web Site:</u> www.apple.com

More Classes Offered

• Classes will be offered next semester:

- Mac OS X History & Technology

Mac OS X Basics

- Mac OS X Intermediate

– Mac OS X Advanced

Apple Seminar

- Integrating Mac OS X on Campus
 - A joint seminar with Apple and University of Utah

Thurs, May 1st 9:00 AM - 4:00 PM

University of Utah Marriott Library Gould Audorium





Apple Seminar

- Integrating Mac OS X on Campus
 - To register, go to campus Mac Support Web Site

www.macos.utah.edu

- Click on "Integrating Mac OS X on Campus" link



Questions and Answers





- Please fill out survey
 - How was the instructor?
 - How was the content of the class?
 - Have suggestions on improving classes?
 - Want to have us teach other classes?

