

Virtualization on the Mac

ApplePickers
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Wikipedia Definition

In computing, virtualization is the creation of a virtual (rather than actual) version of something, such as a hardware platform, operating system (OS), storage device, or network resources.

Two Main Avenues

- ✓ Emulating older Mac operating systems
- ✓ Emulating non-Apple OS's



What do you need for Mac OS?

- ✓ Virtualization program — Free
- ✓ A copy of the OS you wish to emulate
- ✓ A suitable ROM image file

Mac OS

✓ Mini vMac

- Mac Plus through SE (68K machines)

✓ Basilisk II

- OS 7 through OS 8.1

✓ SpeepShaver

- OS 7.5.3 through OS 9.0.4
- Setup Guide

If you don't have a Mac OS...

- ✓ eBay
- ✓ Borrow from friend
- ✓ Download OS 7.5.3 from Apple
 - Individual parts
- ✓ Some updaters are also available from archive site

ROM Image

- ✓ Protected by copyright ...
- ✓ If you have an old Mac laying around ...
 - Use CopyROM on the older Mac
 - See this page in E-Maculation for details
- ✓ Download from Redundant Robot

Personal Experience

✓ Use SheepShaver

- Most widely used and actively supported
 - ✦ Developed initially for Be OS and sold commercially
 - ✦ Released into public domain in 2002
 - ✦ Ported to Windows and Linux
 - ✦ Supported by volunteers
- PPC software on old CDs
 - ✦ Software on floppies may no longer be readable
- Can run in a folder or a self-contained virtual machine
- Abandoned software still available on Internet
 - ✦ [Macintosh Garden](#)
 - ✦ [info-mac](#)

WP Mac Appliance

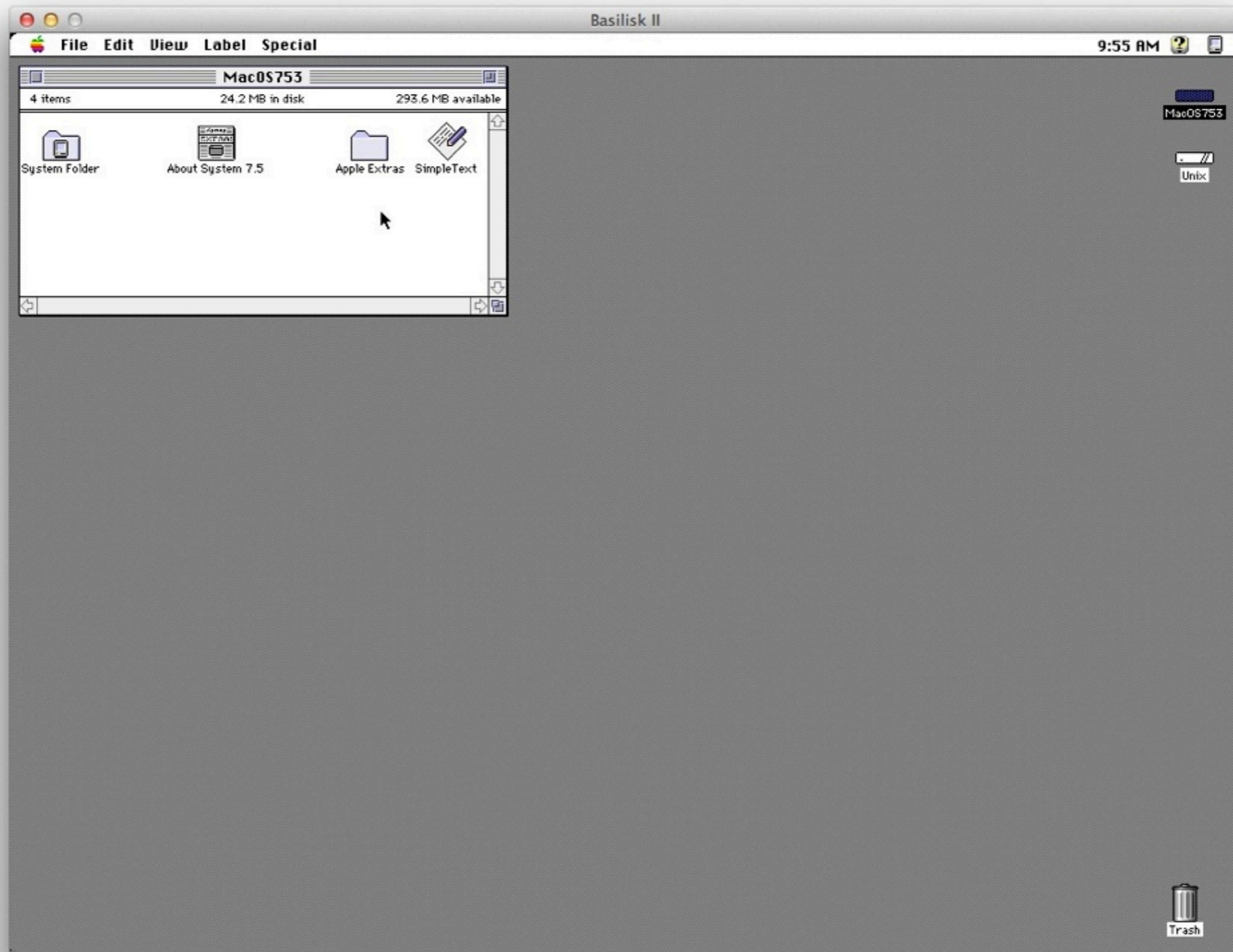
- ✓ Join Yahoo Group for WordPerfect on the Mac
 - Active volunteer group supporting this installation of SheepShaver
- ✓ Access complete installation with ROM, OS, WP, and several other programs in one unit



Printing

- ✓ Create a folder on the Unix shared drive
- ✓ Install Laserwriter 8 to print to pdf
- ✓ Create desktop printer
 - PS Translator
 - Direct to Unix folder
- ✓ Add Folder Actions script from WP Appliance, or
- ✓ Create Automator Folder Workflow
 - Add sufficient delay for PS file to be created
 - Open in Preview

OS 7.5.3 in Basilisk II



Non Mac Operating Systems

✓ CrossOver XI (\$60)

- Runs many but not all Windows software
- No Windows OS needed
- Uses the Wine Project

✓ Apple's BootCamp

- Not virtualization
- Can't run simultaneously
- Windows only

Need Virtualization Program

- ✓ No substantive difference in capabilities or performance
- ✓ Parallels Desktop 7 (\$80)
- ✓ VMware Fusion 4 (\$50)
- ✓ VirtualBox (Free)
 - VBox more technically oriented, but more flexible



New



Settings



Start



Discard

Details

Snapshots



Ubuntu

Saved



buildroid_vbox86t_4.0.3_r1-2012

Saved



Windoids 8

Saved

General

Name: Windoids 8
OS Type: Windows 8 (64 bit)

System

Base Memory: 1536 MB
Boot Order: Floppy,
CD/DVD-ROM, Hard
Disk

Display

Video Memory: 128 MB
Acceleration: 3D
Remote Desktop Server: Disabled

Storage

IDE Controller
IDE Secondary Master (CD/DVD): Windows8-
ReleasePreview-64bit-
English.iso (3.27 GB)
SATA Controller
SATA Port 0: Win HD.vdi (Normal, 25.00 GB)

Audio

Host Driver: CoreAudio

Preview




Start

Robert
van Lier




Mail




14
Saturday



Internet Explorer




Store




Obama unrele
Romney's rec



Wikipedia



Photos




Maps



SkyDrive


Sports



Messaging




Video



Music

Travel



Desktop



83°
Fishers
Partly Cloudy
85°/68°

Weather



Xbox LIVE Games



Camera

Finance



Desktop

Home Share View

Desktop

Search Desktop

★ Favorites

- Desktop
- Downloads
- Recent places

Libraries

- Documents
- Music
- Pictures
- Videos

Homegroup

- Robert van Lier

Computer

Network

- IMAC-EEB578
- MACBOOK PRO
- READYSHARE
- Win_8PR

Libraries System Folder

Robert van Lier System Folder

Network System Folder

Recycle Bin System Folder

Homegroup System Folder

Computer System Folder

Control Panel System Folder

7 items | 1 item selected

Windows 8 Release Preview
Evaluation copy. Build 8400



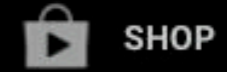
Google



4:23  

APPS

WIDGETS



API Demos



ASTRO



Browser



Buildroid VM Co



Calculator



Calendar



Camera



Clock



Downloads



Email



Gallery



Gallery



Gestures Builder



Gmail



Movie Studio



Music



News & Weather



People



Play Store



Search



Search



Settings



Talk



Virtual Mac OSX

✓ Will not work in Parallels or VM Fusion but will in VirtualBox

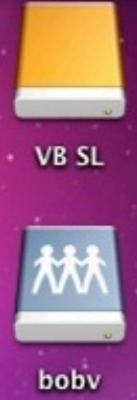
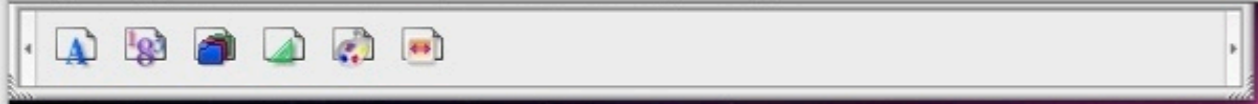
- Violates Apple's EULA

✓ Why

- Software testing
- Use pre-Lion OS to use Rosetta and PPC applications

VirtualBox Configuration to Run OS X

- ✓ Select OS X Server 64-bit
- ✓ Create virtual disk 20 GB Sparse image
- ✓ Run OS X Installer from CD/DVD
 - Will see verbose startup dialog
- ✓ Select Disk Utilities from Installer menu and initialize disc as HFS GUID Partition
- ✓ Run Installer
 - Takes a while if using external USB HDD
- ✓ Share folders using AFP
 - Connect to Server and enter IP address assigned to host
 - There is no guest addition for OS X to enable shared folders within VB
- ✓ Find further information on [SysProbs](#)



Starting Points

Start a new document from scratch.

- Word Processing
- Spreadsheet
- Database
- Drawing
- Painting
- Presentation

Basic Assistants Templates Web Recent Items +

