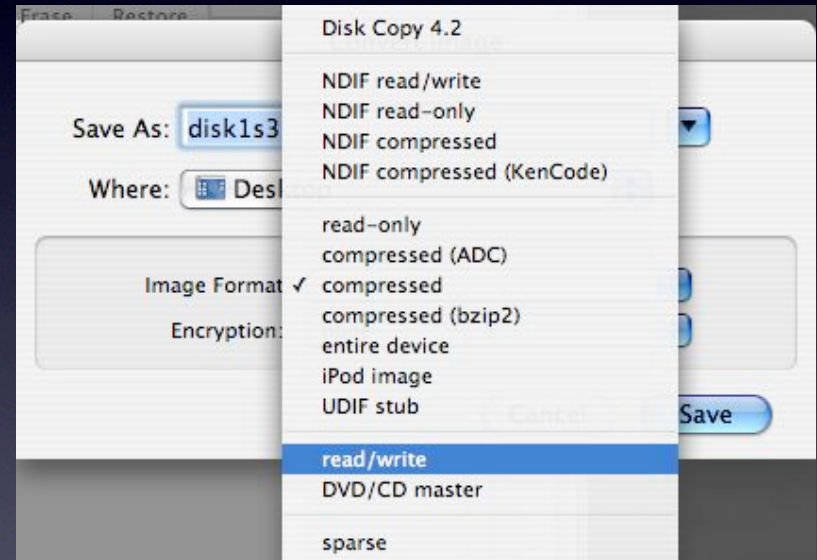


Create a custom
bootable one GB
flash drive:
For free!

Ted Landau
Macworld Expo SF 2007

Create the disk image

- Start with a Mac OS X Install disc that contains the OS X version you want to use
- Use Disk Utility to make a read/write image of the disc

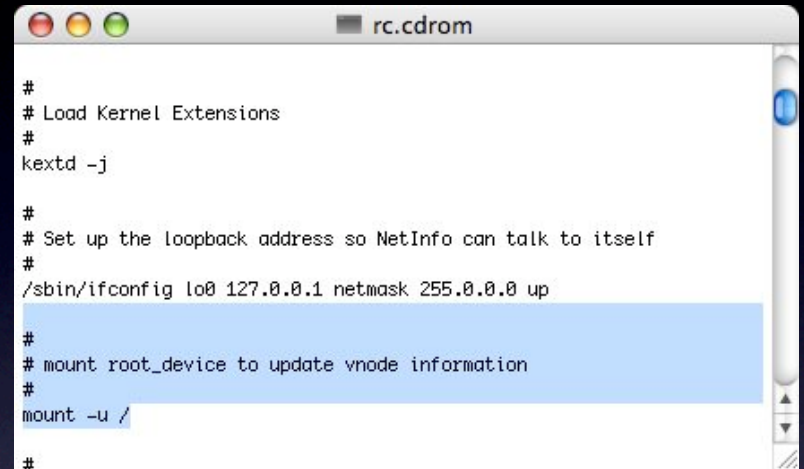


Edit the disk image

- Mount the disk image
- Go to /Applications folder
 - Delete applications you don't want — even invisible ones
- Go to /System/Installation/Packages
 - Delete all items — including invisible ones
- Copy desired utilities to the /Applications folder
 - Include QuickerPicker

Edit the disk image

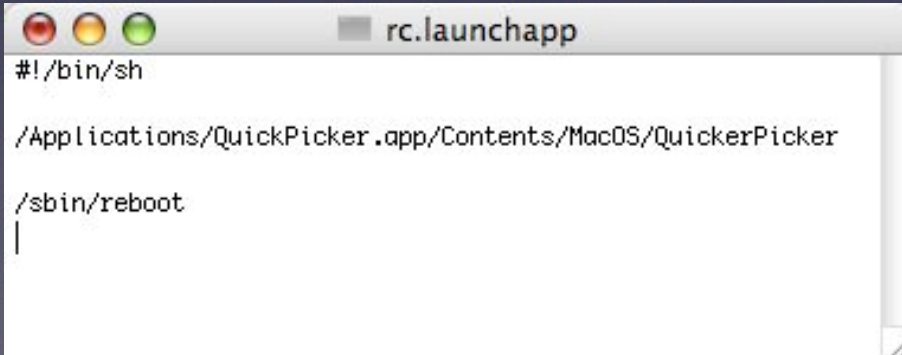
- From the mounted image, open `/etc` folder
- Using TextEdit, open `/etc/rc.cdrom` file
- Change the line that reads
`mount -u -o ro /`
to: `mount -u /`
- Save the modified file



```
#  
# Load Kernel Extensions  
#  
kextd -j  
  
#  
# Set up the loopback address so NetInfo can talk to itself  
#  
/sbin/ifconfig lo0 127.0.0.1 netmask 255.0.0.0 up  
  
#  
# mount root_device to update vnode information  
#  
mount -u /  
#
```

Edit the disk image

- Using TextEdit, create a new plain text file
 - Enter three lines, as shown
 - Name the file *rc.launchapp* and save it to the *etc* folder (without *.txt* extension)
- Using a utility such as XRay, make the file executable and (if needed) clear its Type/Creator codes



```
#!/bin/sh

/Applications/QuickPicker.app/Contents/MacOS/QuickerPicker

/sbin/reboot
|
```

Edit the disk image

- Using TextEdit, create another plain text file
 - Enter three lines, as shown
 - Name the file *rc.cdrom.postWS* and save it to the *etc* folder (without *.txt* extension)
 - As before, using a utility such as XRay, make the file executable and (if needed) clear its Type/Creator codes



```
#!/bin/sh

/sbin/SystemStarter

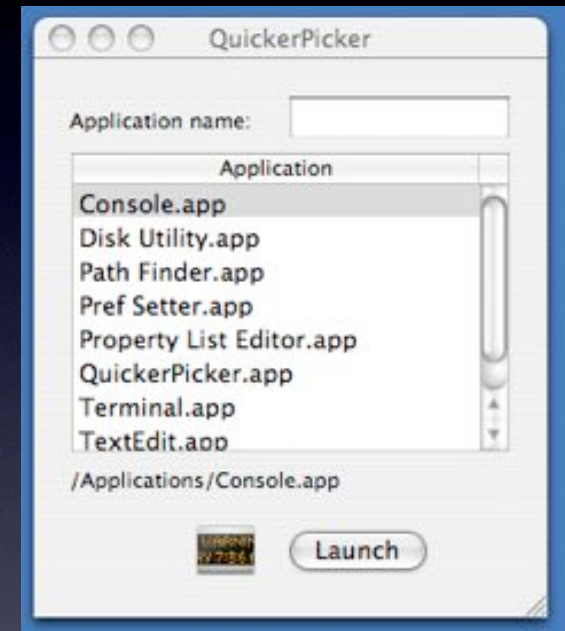
[ -x /etc/rc.launchapp ] && sh /etc/rc.launchapp
```

Copy the image to the flash drive

- Launch Disk Utility and select the Restore tab
- Drag the name of the .dmg file from the list to the Source box
- Drag the name of the USB flash drive from the list to the Destination box
- Enable the Erase Destination checkbox
- Click to Restore

Boot the drive

- With the flash drive mounted in a USB port, restart your Intel Mac
- Hold down the Option key at startup
- From the screen that appears, click to select the flash drive as the startup device
- QuickerPicker should soon appear
- Success! You are good to go



Use Path Finder instead of QuickerPicker

- Because drive is read/write, you can modify drive directly – unlike with bootable DVD
- For example, to shift from QuickerPicker to Path Finder:
 - Install PathFinder
 - Add Frameworks needed for Path Finder (as shown on next slides)
 - Modify rc.launchapp to point to PathFinder
 - Reboot from flash drive

Use Path Finder instead of QuickPicker

- Add to /System/Library/Frameworks:

AddressBook.framework

LDAP.framework

Message.framework

QTKit.framework

QuickTime.framework

Security.framework,

SecurityFoundation.framework

SecurityInterface.framework

Use Path Finder instead of QuickPicker

- Add to `/System/Library/PrivateFrameworks:`

`DMNotification.framework`

`DSObjCWrappers.framework`

`LatentSemanticMapping.framework`

`Slideshow.framework`

For more help and info:

Ted Landau's Mac OS X Help Line
www.macosxhelpline.com

MacFixIt:
www.macfixit.com