



Chaos Computer Club Trier e. V.

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MacOS X

Die Entwicklung von 10.0 bis 10.5

Copland ist nicht X

- benannt nach dem komponist aaron copland
- projekt beginn war 1991, end 1996
- ballon-hilfe, themes, multi-user, pop-up menus, speicherschutz, praeemptives multitasking

auch das war nicht X

- 1988 wurde das projekt pink gestartet
- 1992 wurde es durch die von ibm und apple gegründete firma taligent weiterentwickelt
- beos war auch mal in gespaech

steckt next hinter X?

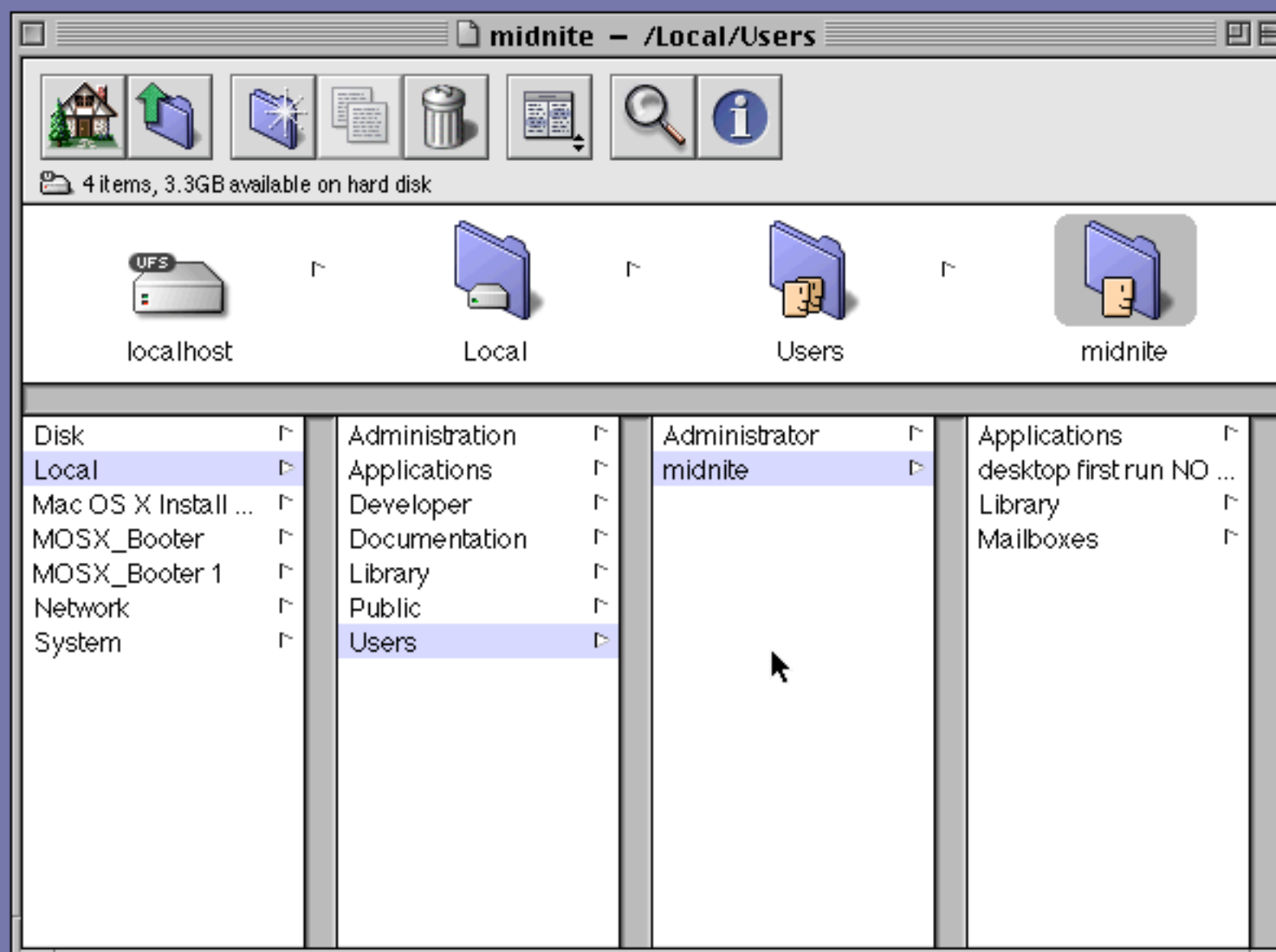
- 1996/1997 kam steve jobs zurueck und die kenntnisse von der firma next kamen apple zugute
- nextstep ist in die entwicklung von macosx eingeflossen

der weg zu cheetah

- 4 Developer Previews
- 1 Public Beta

MacOS X DP 1

- release 10.05.1999
- classic oberflaeche
- laeuft auf powerpc
- mach kernel
- nextstep filemanager



MacOS X DP 2

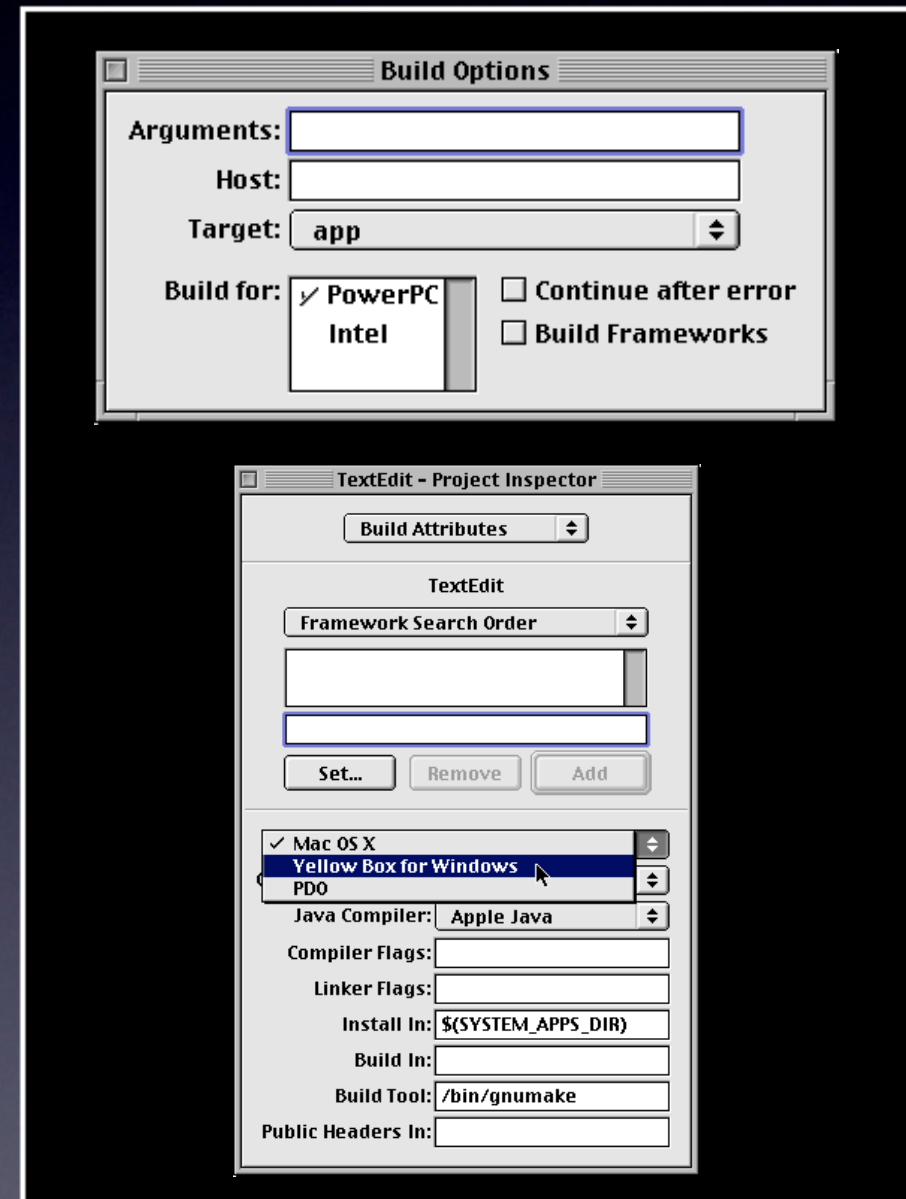
- einfuehrung november 1999
- oberflaeche erinnert stark an macos 9
- blue box die os 9 virtual machine
- yellow box wird cocoa
- carbon 10% code aenderung fuer macosx
- bsd 4.4 umgebung und java 1.2

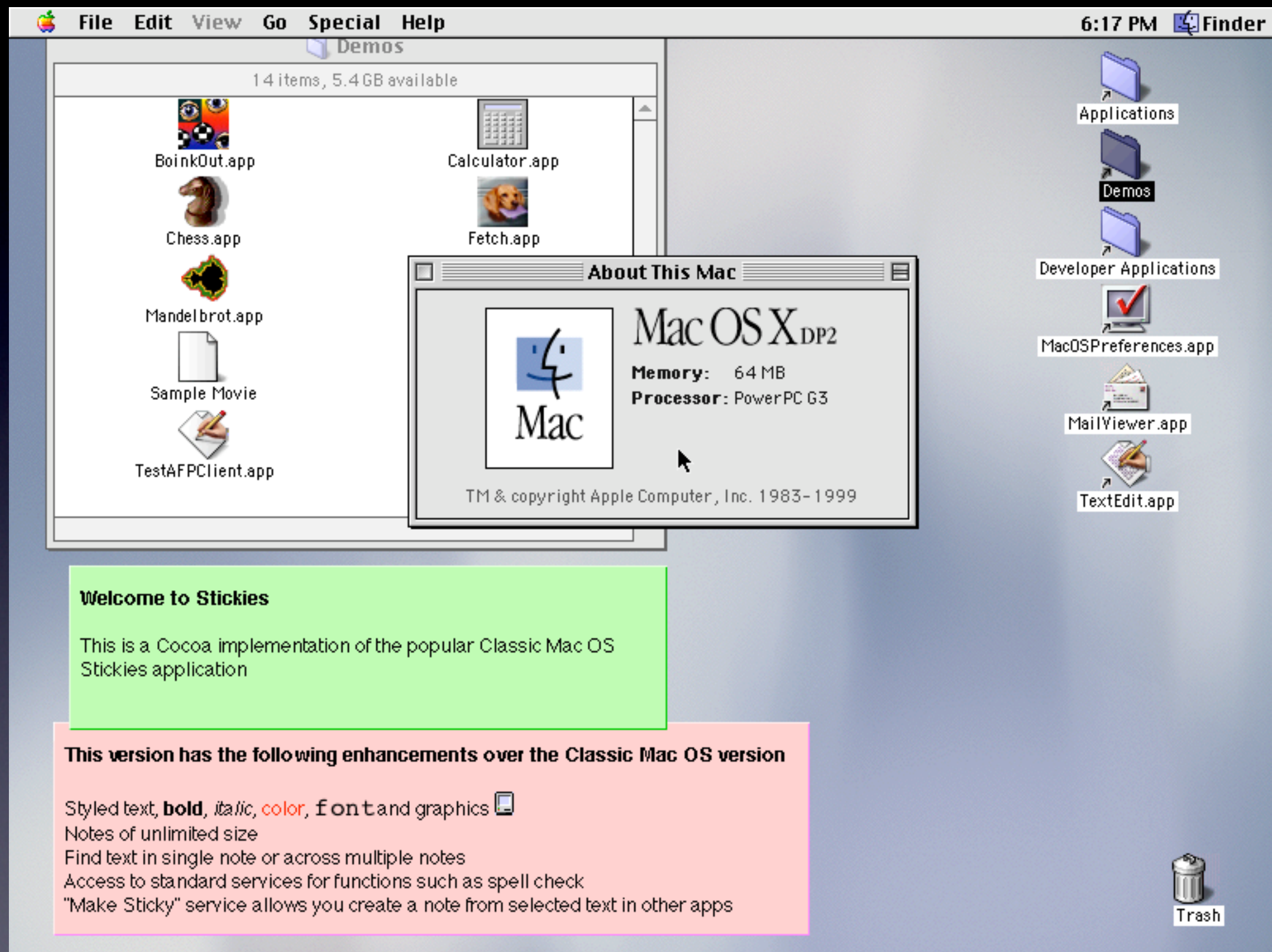
MacOS X DP 2

- hfs+ als filesystem (nicht mehr ufs/hfs)
- .app einfuehrung und benutzt xml
- disk images
- blue box arbeitet mit 90-95% nativer geschwindigkeit
- quartz

MacOS X DP 2

- schon hier waren alle builds intern fuer x86
- cocoa apps konnten fuer windows compilet werden.







File Edit View Go Special Help

5:50 PM Finder

Applications

Demos

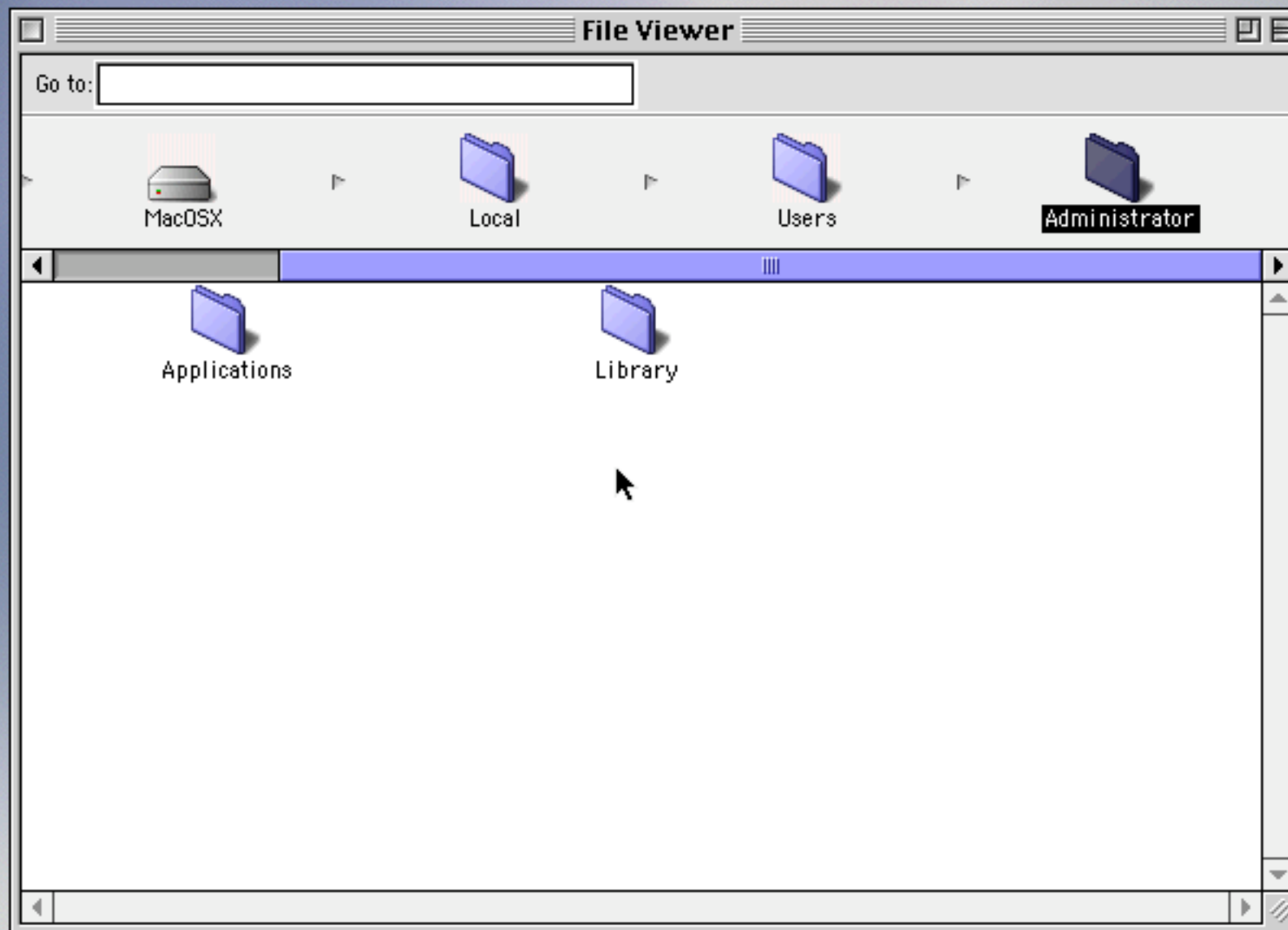
Applications

ferences.app

ewer.app

Edit.app

Trash

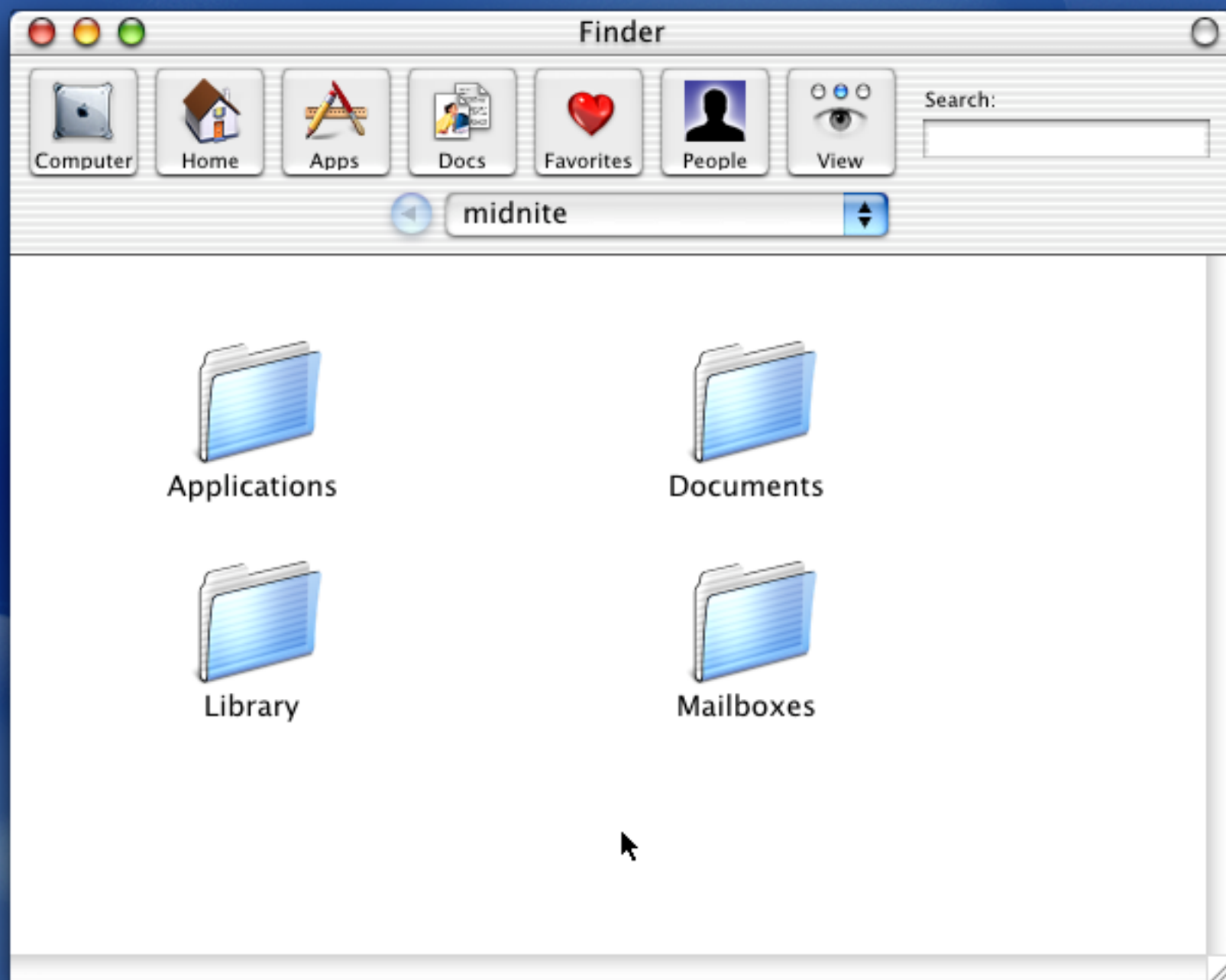


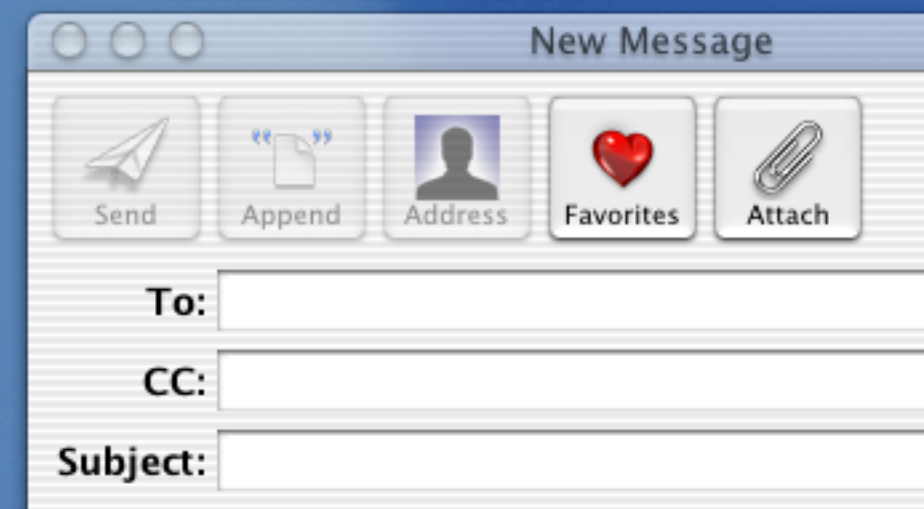
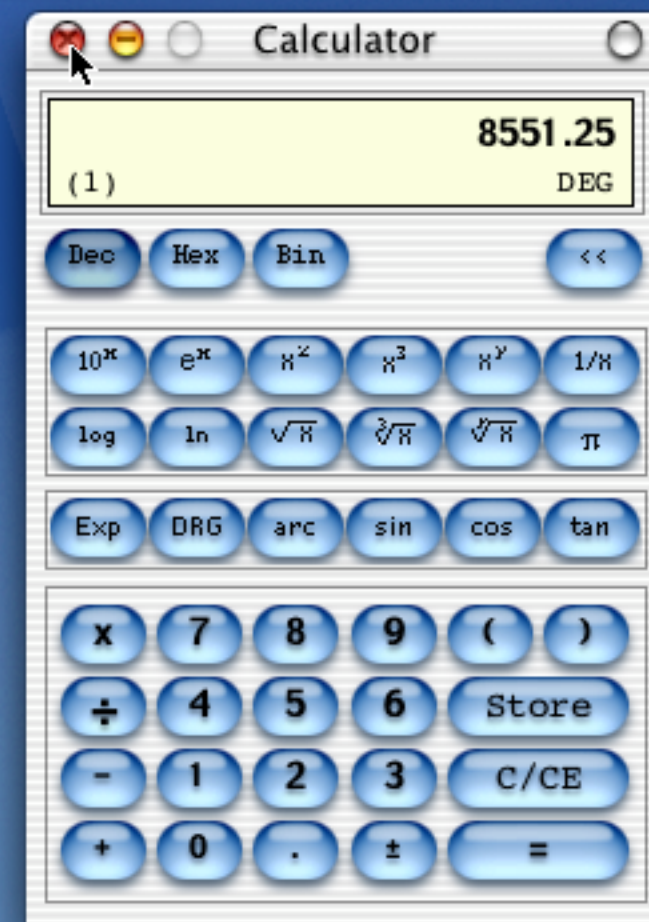
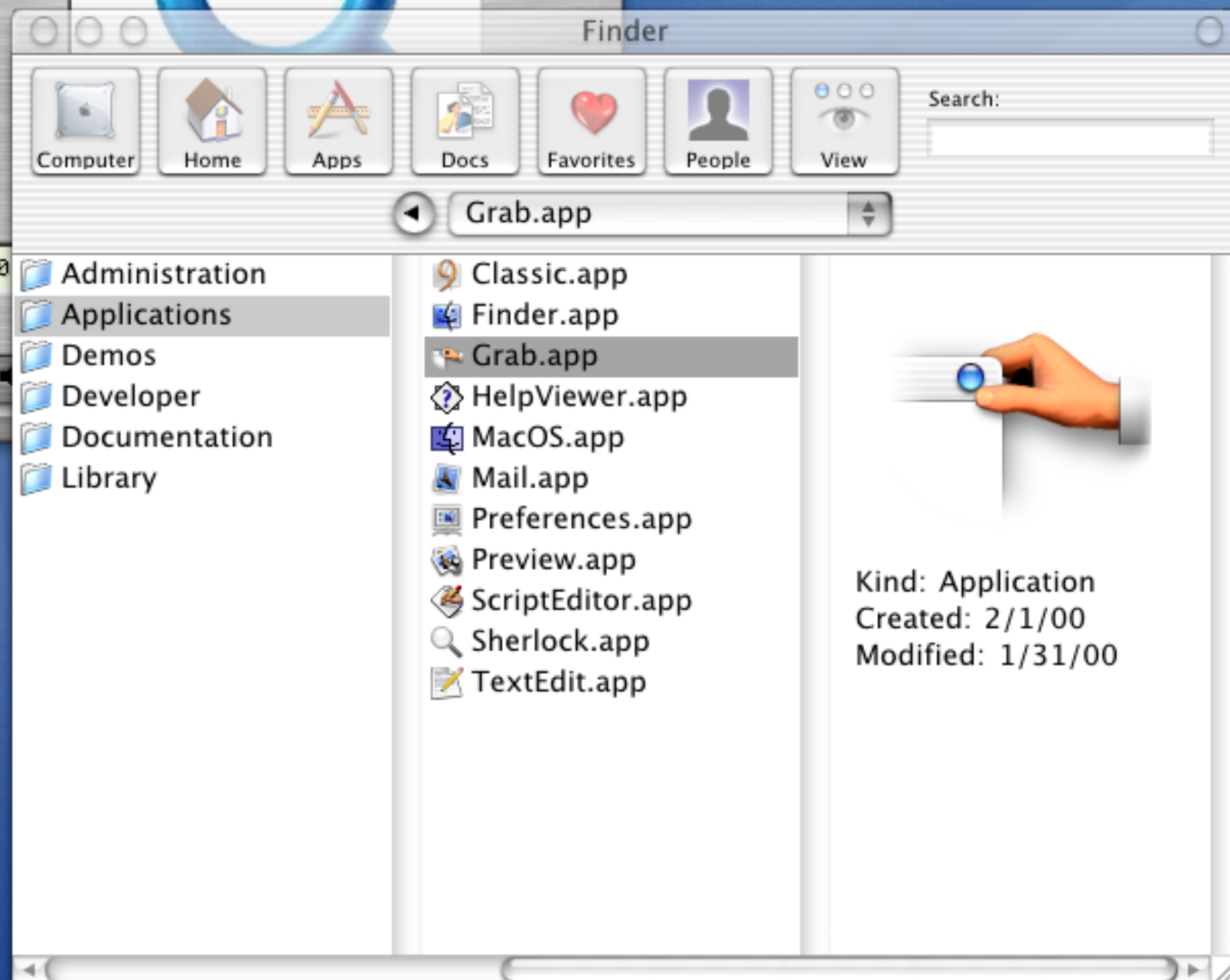
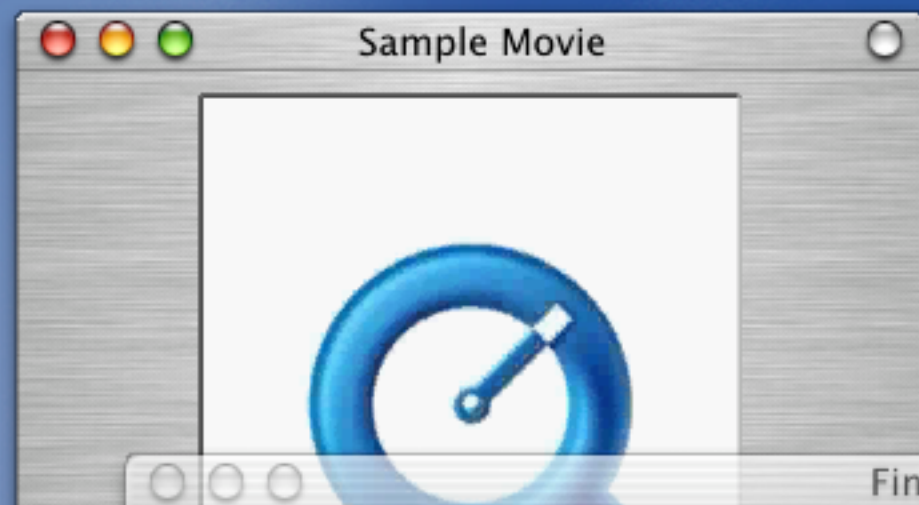
MacOS X DP 3

- februar 2000 release
- einfuehrung der aqua oberflaeche
- ebenso das dock
- neuer quicktime player
- apfel logo in der mitte der oberen leiste

MacOS X DP 3

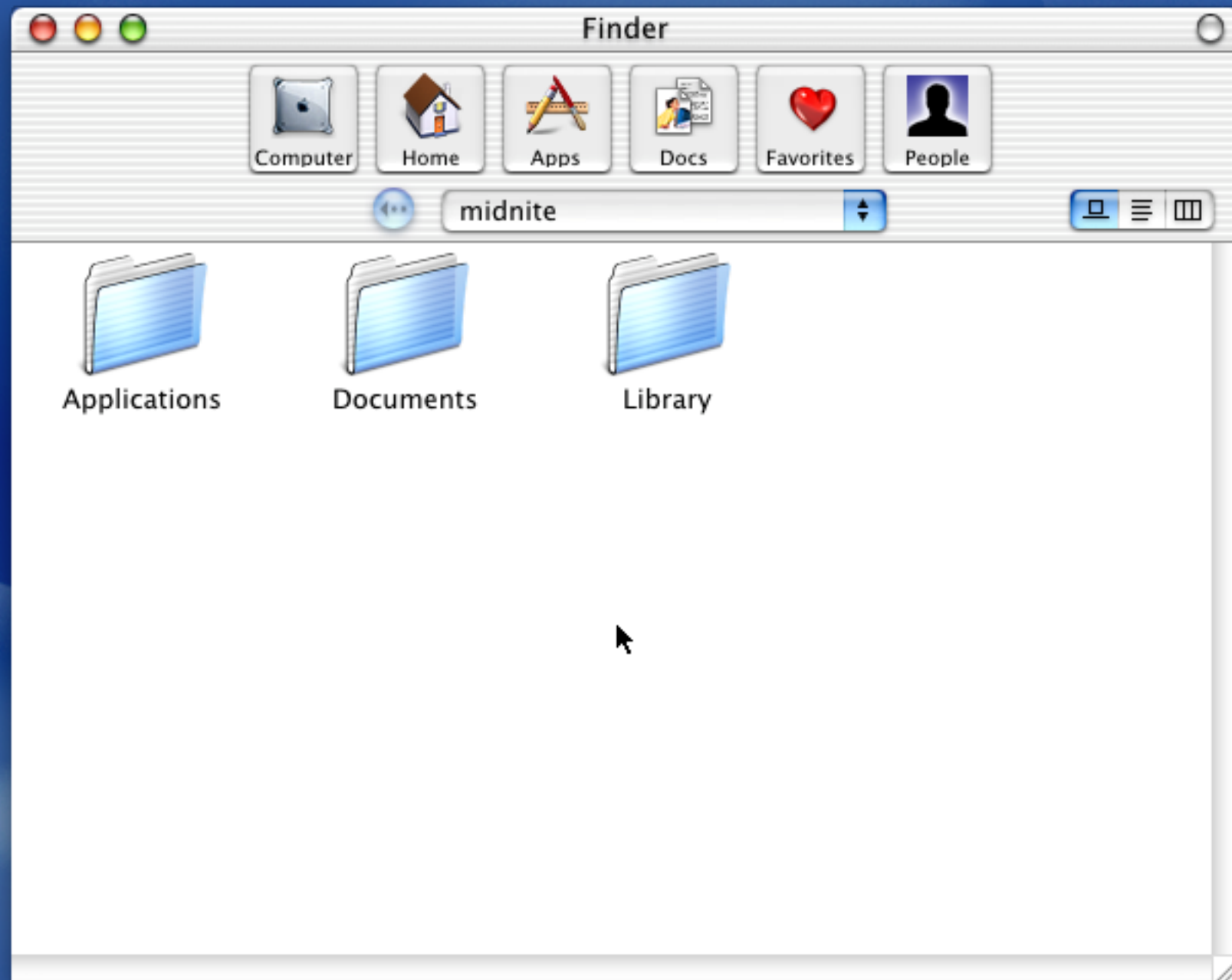
- trichter effekt
- ausklappende popup menus
- icons mit 128x128 pixel
- finder und trash immer im dock
- filesystem ist sehr geordnet
- control+alt+del bringt ein „this ist not dos“





MacOS X DP 4

- 15.05.2000 erschienen
- keine kleinen icons in der oberen leiste
- das dock hat sich veraendert
- viele menu aenderungen
- neuer project builder
- viele neue icons und tools (ie als browser)





✓ U.S.
 ことえり
Customize Menu...

Help Center

Search:

As...

System Preferences

Monitors Mouse Network Password Sound Speech System Disk

Mouse Speed

Slow Fast

Double Click

Short

[Mac Help](#)

Help Center

Finder

Computer Home Apps Docs Favorites People

Applications

AddressBook.app Calculator.app Classic.app Clock.app

Grab.app HelpViewer.app Internet Explorer Key Caps

Mail.app Preview.app QuickTime Player.app

Script Editor.app Sherlock.app Stickies.app System Preferences.app

[Help Center](#)



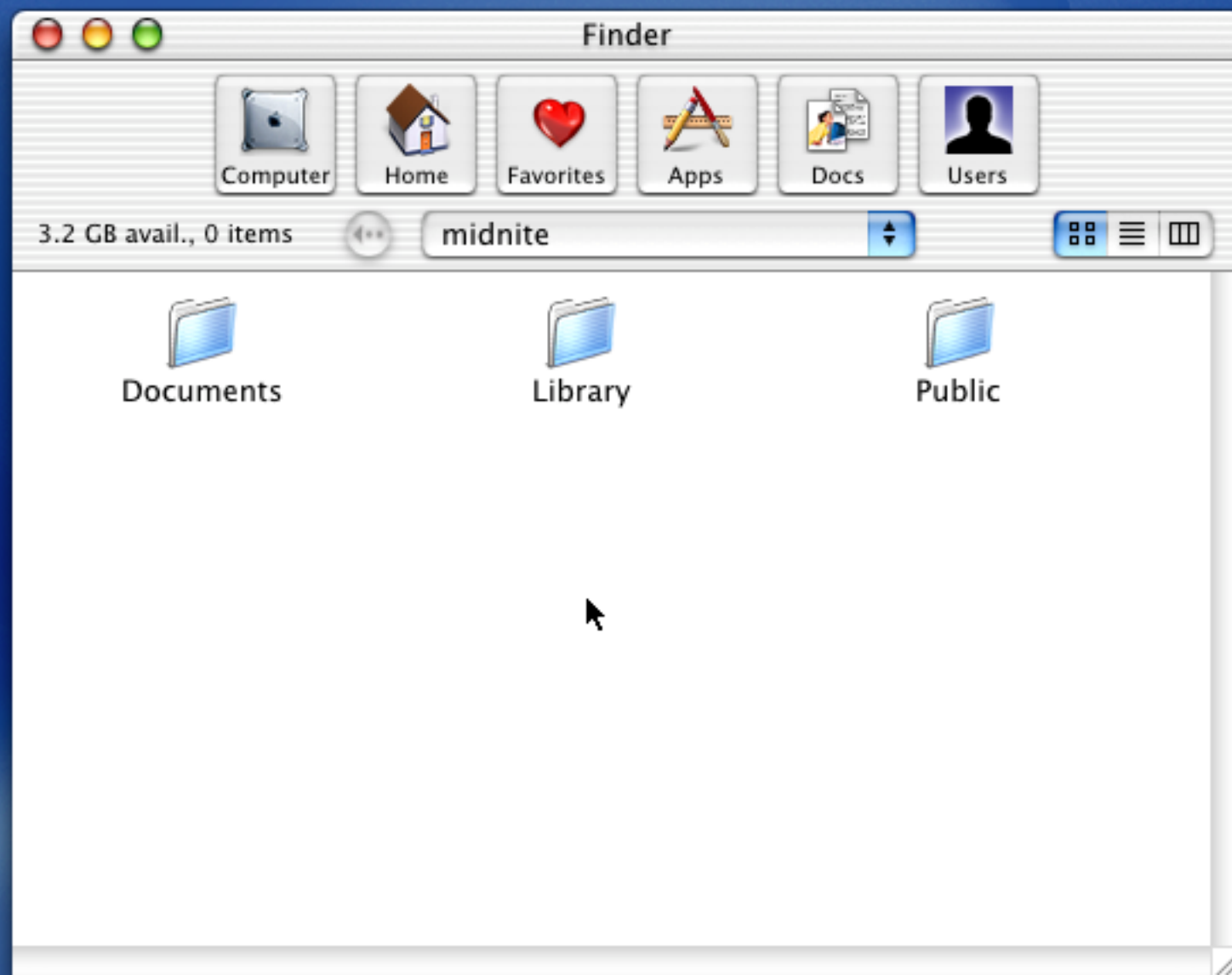
Desktop Dock

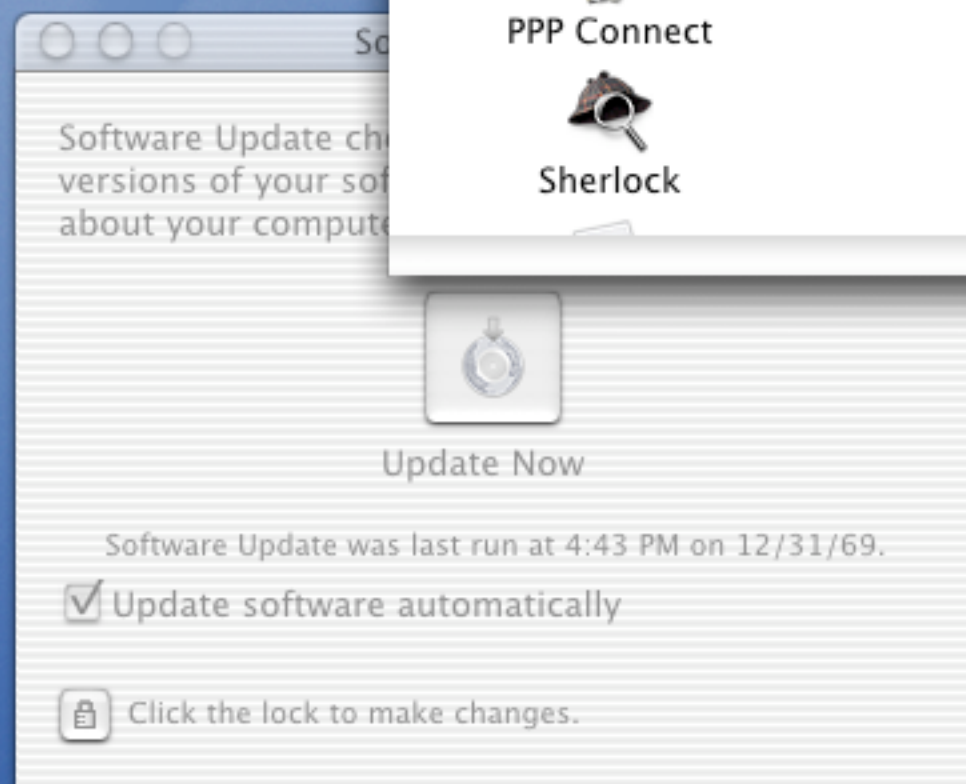
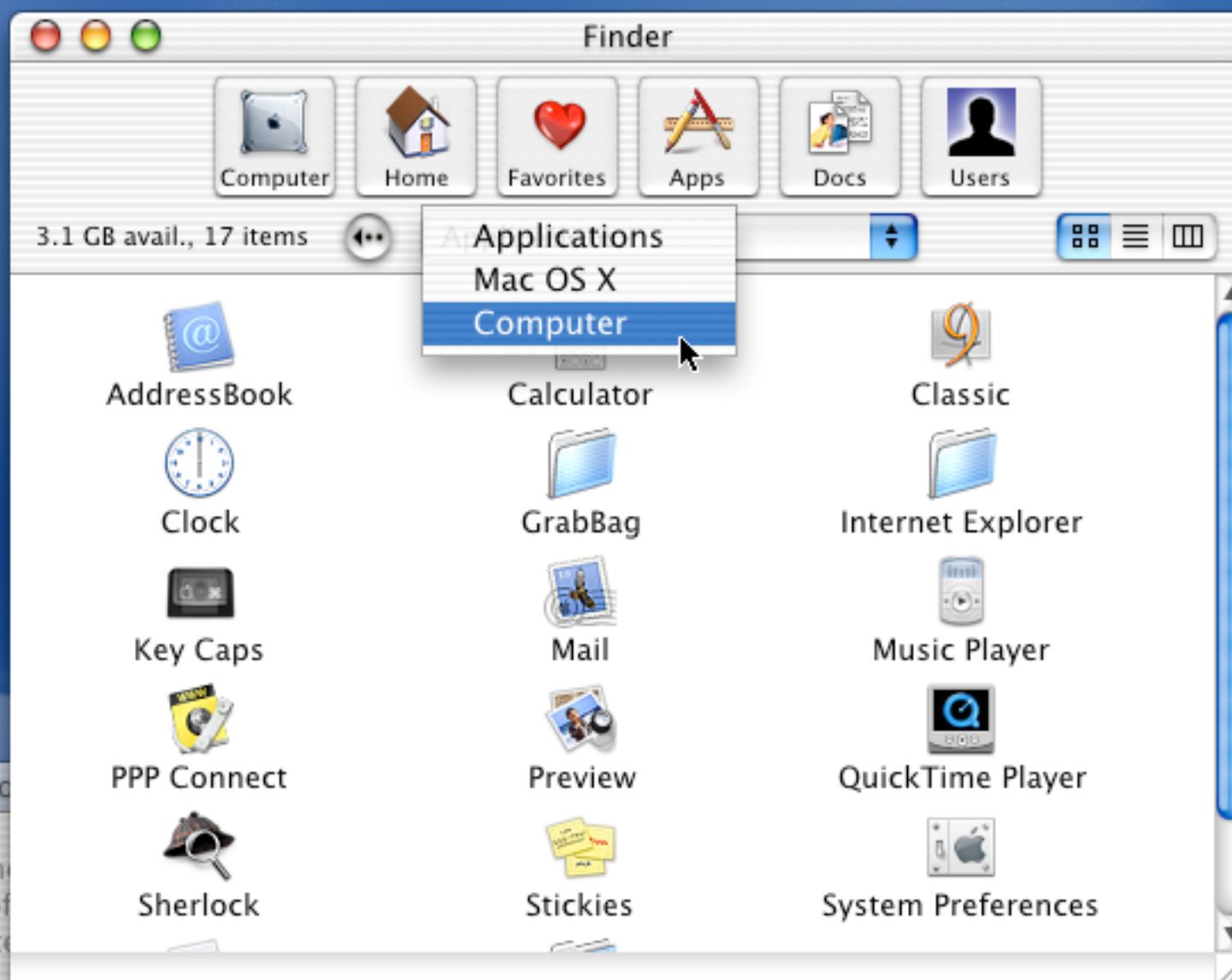
MacOS X Public Beta

- release 13.09.2000
- laeuft auf g3 und g4 cpus
- login fenster
- aqua blue und graphite
- single window mode ist weg
- neue systemeinstellung

MacOS X Public Beta

- viele unix tools (ssh, ftpd, perl, usw)
- cd audio und mp3 player
- punkt bei aenderungen
- apfel logo immernoch in der mitte





MacOS X 10.0

Codename: Cheetah
release: 24.03.2001

MacOS X 10.0

- das apfellogo ist endlich links und hat eine funktion
- hat leider seit der public beta kaum an geschwindigkeit gewonnen

- About This Mac
- Get Mac OS X Software...
- System Preferences...
- Dock
- Location
- Recent Items
- Force Quit...
- Sleep
- Restart
- Shut Down
- Log Out...

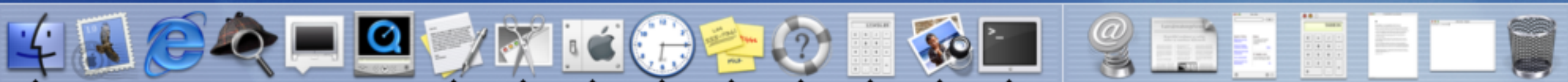
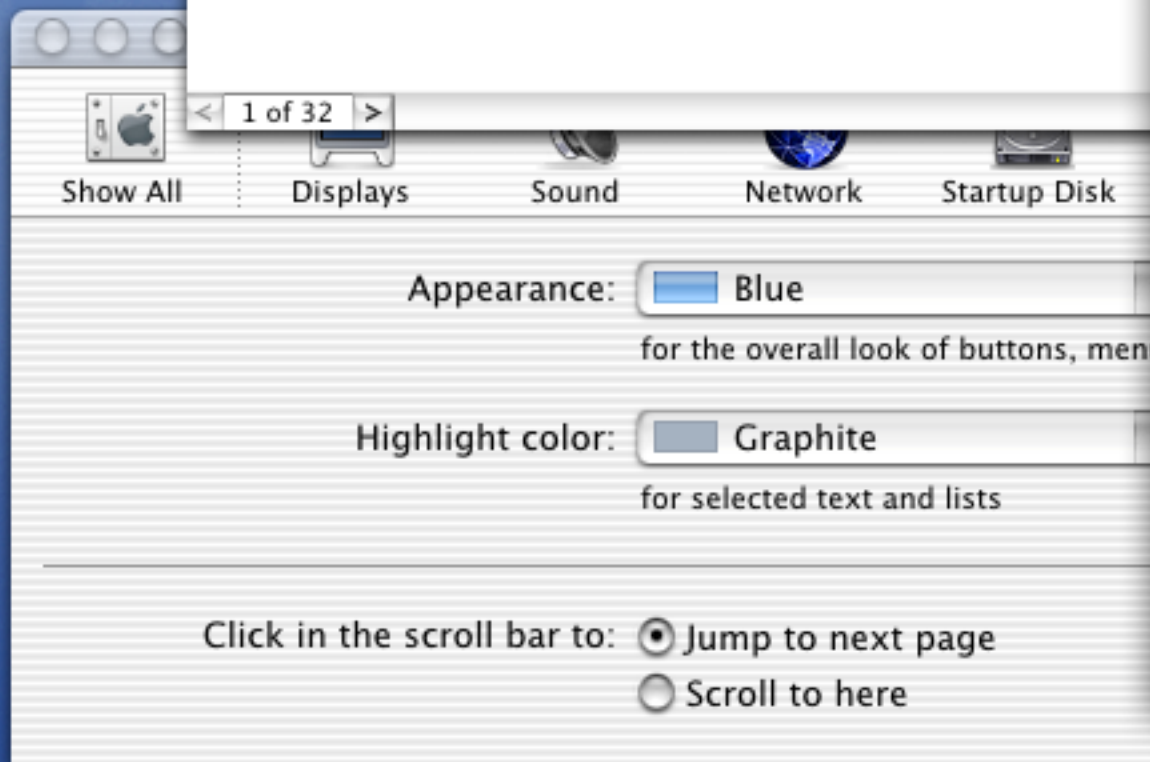
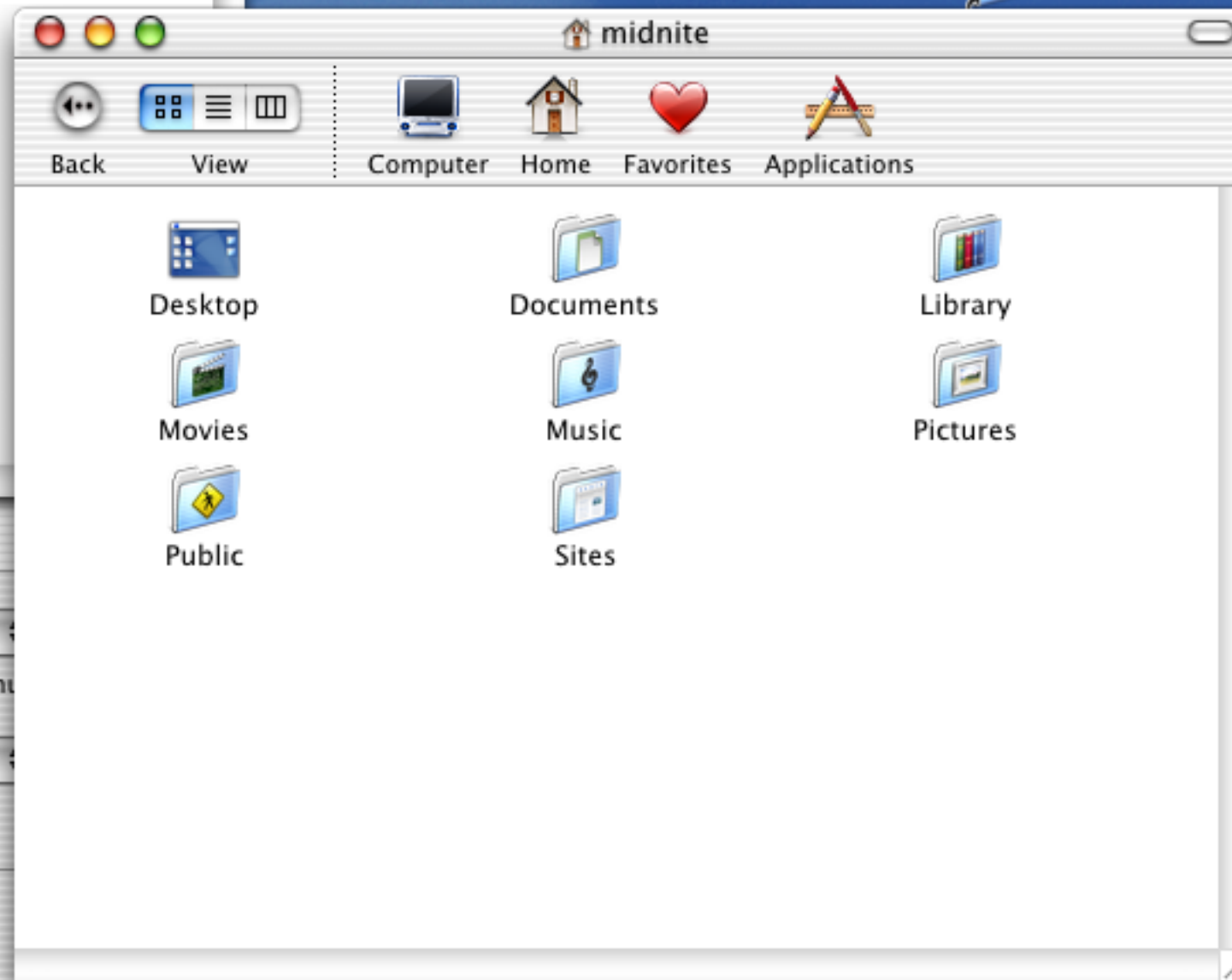
⌘⌘Q

Welcome to Mac OS X.pdf

- Turn Magnification On
- Turn Hiding On ⌘⌘D
- Dock Preferences...

Welcome to Mac OS X

Mac OS X Install CD





MacOS X 10.1

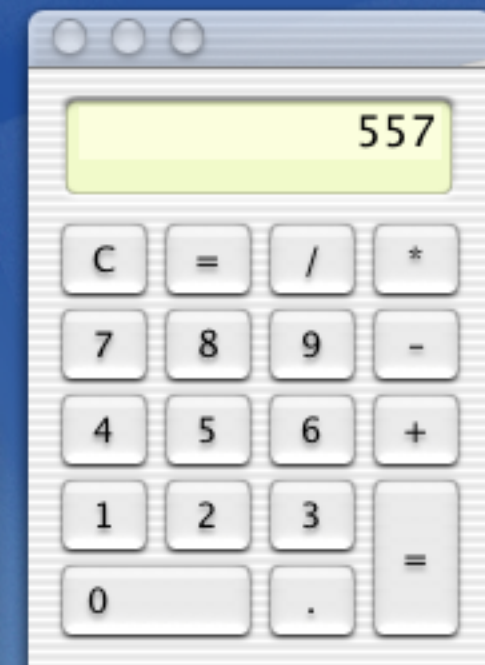
Codename: Puma
release: 25.09.2001

MacOS X 10.1

- abspiel moeglichkeit fuer dvds
- kostenloses major update
- behob unzaehlig bugs
- itunes
- immer noch zu langsame oberflaeche

```
/usr/bin/login (tty1)

Welcome to Darwin!
[localhost:~] midnite%
```



Mac OS X

(Mac OS 9)

ements over the Classic Mac OS version

d graphics

le notes

s such as spell check

a note from selected text in other apps







MacOS X 10.2

Codename: Jaguar
release: 24.07.2002

MacOS X 10.2

- laut apple ueber 150 verbesserungen
- quartz extreme
- rendezvous
- ichat
- cups
- viele api aenderungen

MacOS X 10.2

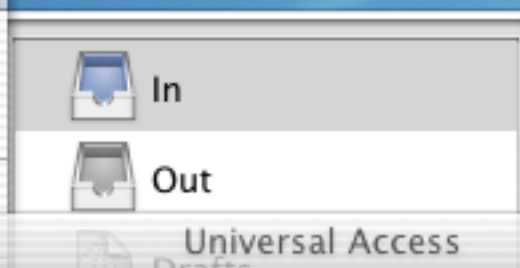
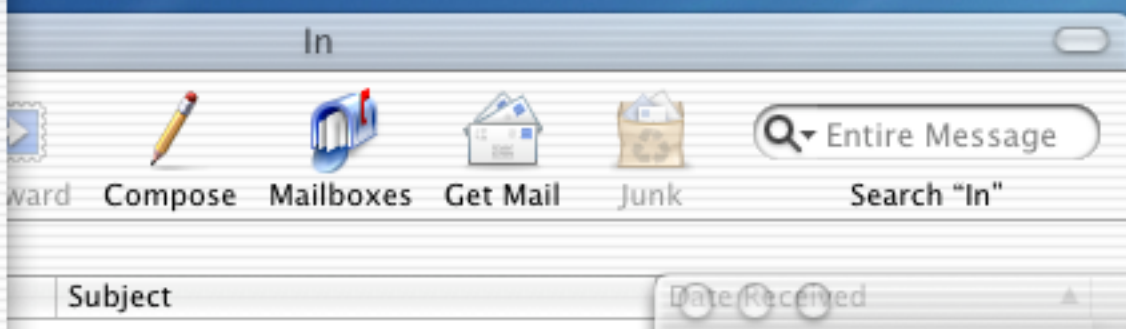
- heutige programme unterstuetzen
10.0/10.1 nicht mehr
- richtiger support fuer windows netzwerke
- nach 18 jahre muss der happy mac gehen
- in uk nicht als jaguar gekennzeichnet



Mac OS X



- About Address Book
- Preferences...
- Services
- Hide Address Book ⌘H
- Hide Others
- Show All
- Quit Address Book ⌘Q



When using the computer, I have difficulties with:

- Seeing
- Hearing
- Keyboard
- Mouse

Turn On Zoom

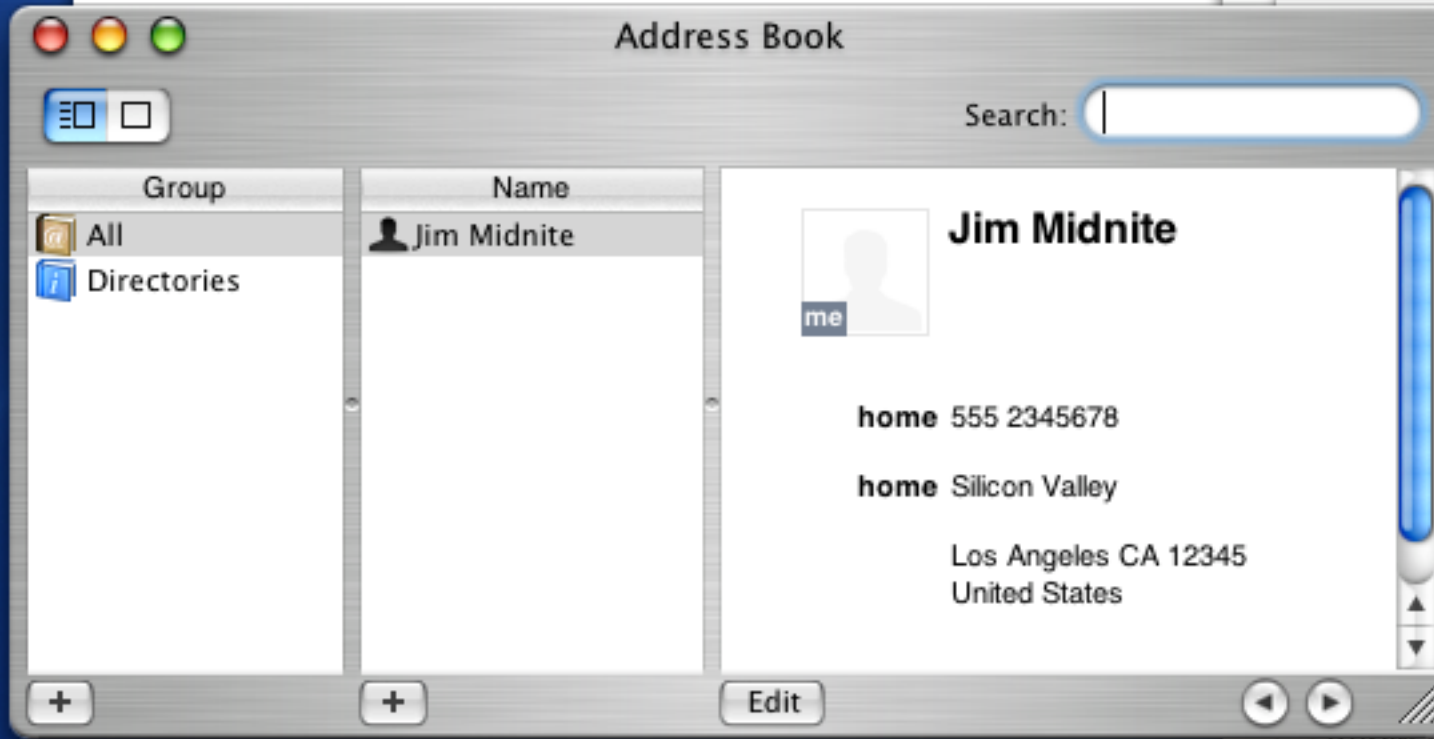
Universal Access shortcuts:
 Turns on Zoom
 Zooms in
 Zooms out

Zoom Options...

Switch to White on Black

switches to white on black

Display to Grayscale



- ☐ Allow Universal Access Shortcuts
- ☐ Enable access for assistive devices
- ☒ Enable text-to-speech for Universal Access preferences







MacOS X 10.3

Codename: Panther
release: 24.10.2003

MacOS X 10.3

- brushed-metal interface (finder)
- exposé
- fast user switching
- ichat av
- schneller pdf engine
- filevault

MacOS X 10.3

- safari web browser
- build-in fax
- X11 support
- g5 support
- sidebar vom finder kann angepasst werden
- journaling file system



Calendars

☒ Home
☒ Work

2004

Thursday, May 13

9:00 8:45 AM
Work on GUIdebook

10:00

11:00

Noon

Work on GUIdebook

location

all-day ☐

from 05/13/04 at 8:45 AM
to 05/13/04 at 4:00 PM

es None

us None ▾

eat None ▾

rm None ▾

lar ☒ Work ▾

url <http://www.aci.com.pl/mwichary/GUIdebook>

Applications

local disks

Network
Mac OS X
Desktop
Midnite
Applications
Documents
Movies
Music
Pictures

Font Book
iCal
iChat
Image Capture
iMovie
Internet Connect
Internet Explorer
iPhoto
iSync
iTunes
Mail
Preview
QuickTime Player
Safari
Sherlock
Stickies
System Preferences
TextEdit
Utilities



Name: Safari
Kind: Application
Size: 11.2 MB on disk (8,152,604 bytes)
Created: Thursday, April 1, 1976 3:13 AM
Modified: Friday, May 14, 2004 8:51 PM
Version: 1.1, Copyright 2003 Apple Computer, Inc.

1 of 23 selected, 1.09 GB available

Exposé

nd Network Startup Disk

temporarily see all of your
window to bring it to the front

All windows: F9

Application windows: F10

Desktop: F11

For more choices, press Shift, Control, Option or

 .mac

Sync Now

iSync









MacOS X 10.4

Codename: Tiger
release: 29.04.2005

MacOS X 10.4

- ueber 200 neue features laut apple
- spotlight
- dashboard
- smartfolders
- quicktime 7
- ichat av (h264, jabber)

MacOS X 10.4

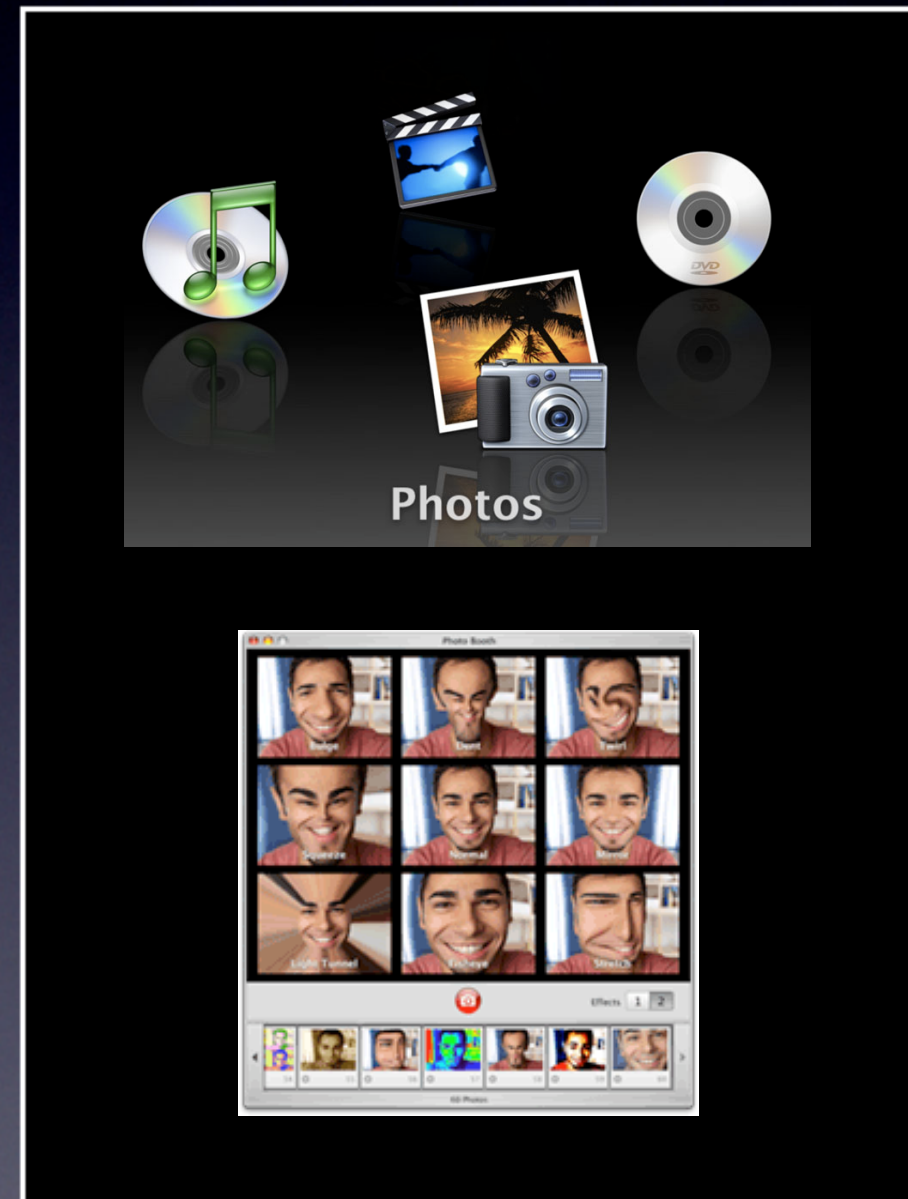
- safari 2 (rss)
- mail 2
- automator
- core image/video
- voiceover
- 64bit fuer g5 (gui 32bit)

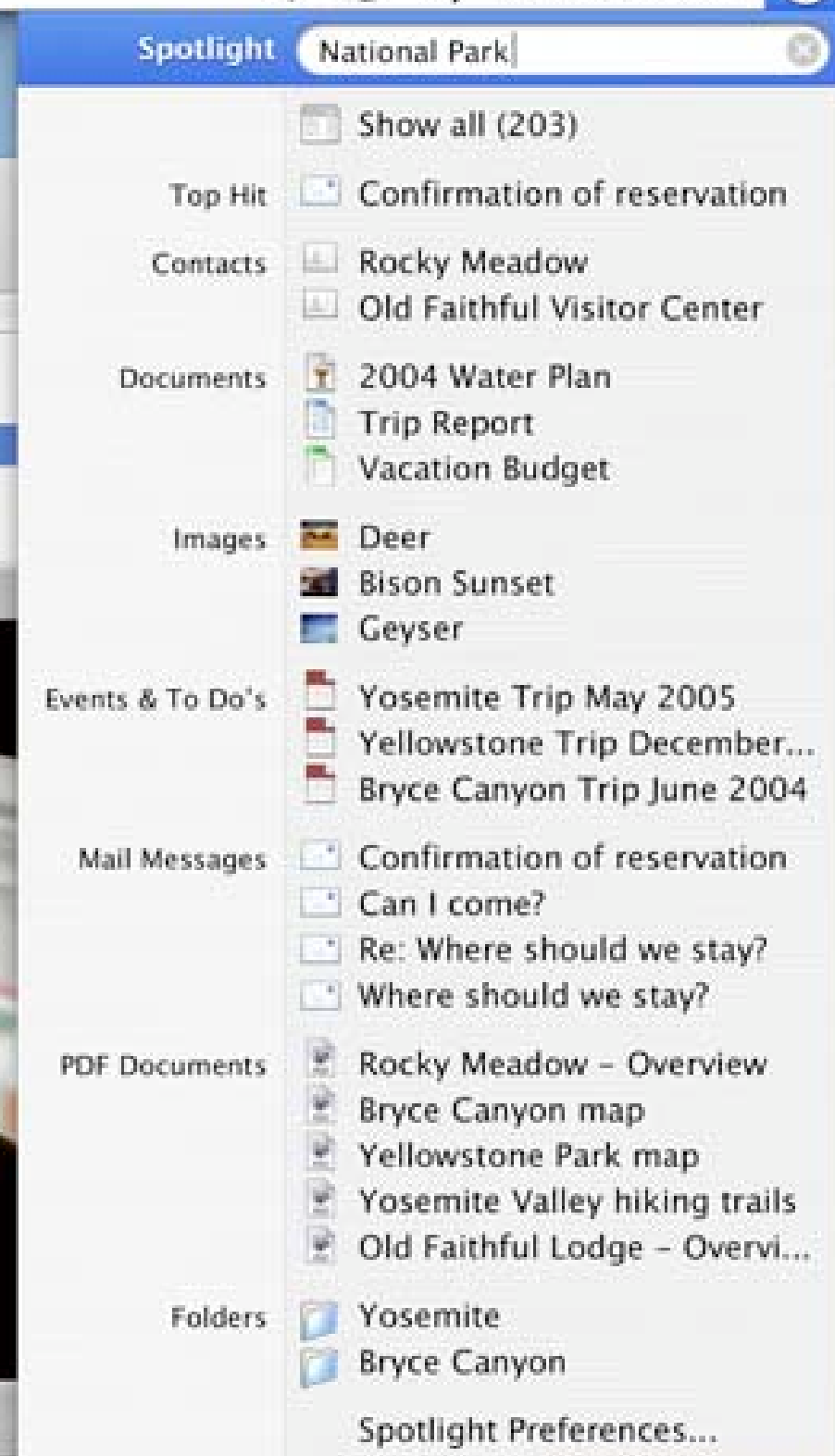
MacOS X 10.4

- access control
- unix tools update (rsync)
- classic nicht mehr mit dabei
- xcode 2
- intel cpu support
- rosetta

MacOS X 10.4

- front row
- photo booth







- filevault
- fast user switching
- spotlight
- dashboard (ueber 2000 widgets)
- quartz extreme
- smart folders

- darwin ist opensource (intel - XNU nicht!)
- X11
- unix tools
- aes
- universal
- kein root account

- festplattentools im setup
- firewire/usb disk modus
- dmg diskimages
- wlan (wep, wpa/wpa2), vpn
- samba, nfs, afp, ftp, webdav, usw
- applescript

MacOS X 10.5

Codename: Leopard
release: 2006/2007

MacOS X 10.5

- boot camp
- intel core
- virtualisierung
- windows programme native (red box)
- „collaborative features“

- os 9 apps
- safari ist schneller und kann skins
- mehrere docks und andere aenderungen
- dashboard stickies koennen ueberall sein
- balloons warnings vom terminal
- programmzustaende werden gespeichert

WWDC 06

Preview von MacOS X 10.5 Leopard
7.-11. August 2006



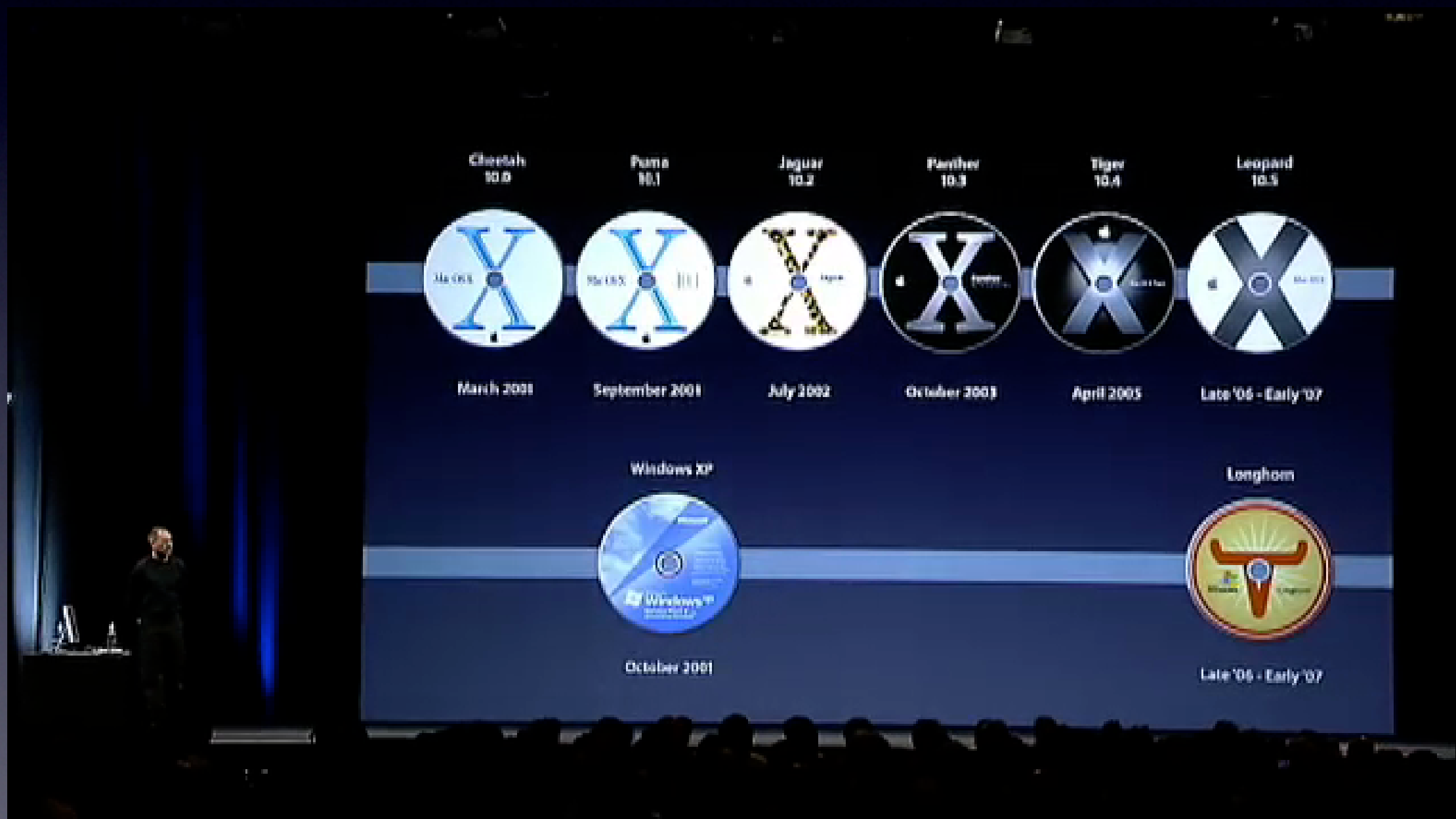
aktuell

- MacOS X 10.4.6
- Xcode 2.3
- iLife 06
- iWork 06

Evolution



roadmap







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