

QuickTime Streaming Server

Darwin Streaming Server

QuickTime Suite

QuickTime Player



Free Download

Professional-quality
live, online events



QuickTime
Broadcaster

QuickTime Streaming Server



Standards-based
server delivers with no
per-stream license fee



3G Support
Revolutionizing
cell phone and
PDA multimedia



- Darwin is the core of Mac OS X.
- DSS is the free, open source version of QuickTime Streaming Server supports the most popular enterprise platforms, such as Linux, Solaris, and Windows 2000.
- Free Download available at www.opensource.apple.com/apsl

Apple Open Source

LOG IN

Registered users may download source code and software covered by the [Apple Public Source License](#). Please enter your Apple ID and password. If you don't already have an Apple ID, please obtain one at [signin.apple.com](#) by clicking the "New Account" button.

Apple ID



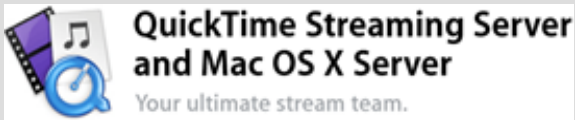
Password

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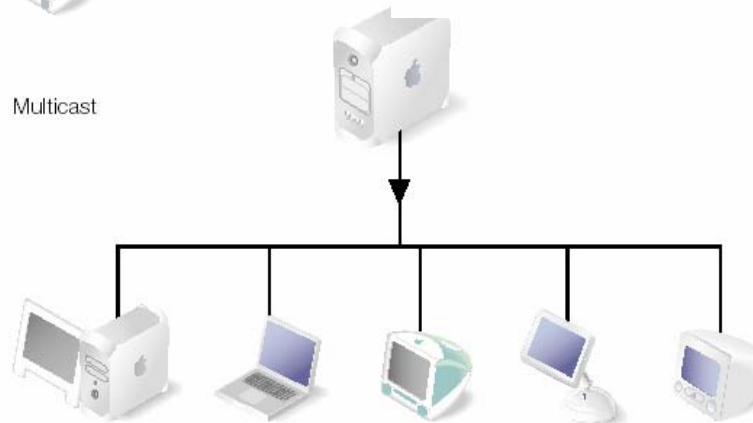
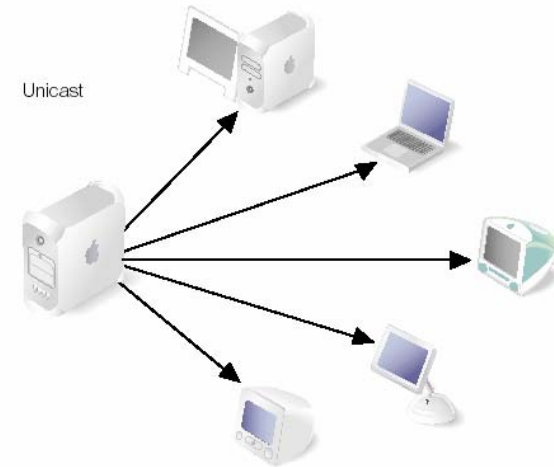
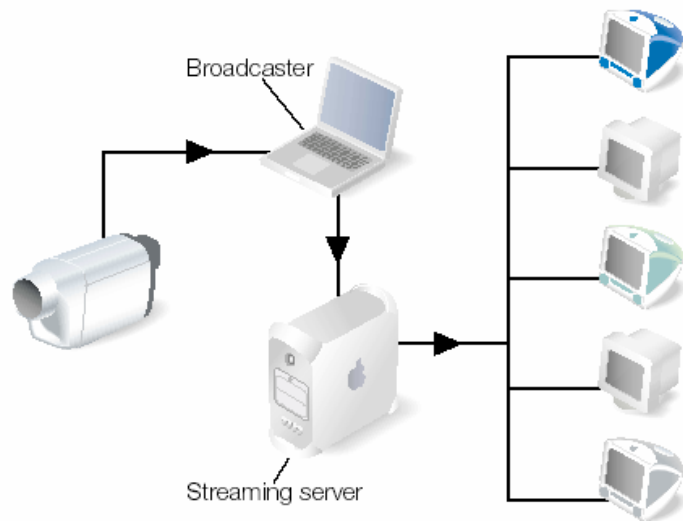
Source: <http://www.apple.com/quicktime/products>

Comparison Streaming Server

			
⊕	<ul style="list-style-type: none"> • Market Share 	<ul style="list-style-type: none"> • Pricing model (free) • editable high-quality file format 	<ul style="list-style-type: none"> • Darwin Server software is OPENSOURCE • integration with other Quicktime tools • flexible codec choices
⊖	<ul style="list-style-type: none"> • Pricing model (licenses for user base) 	<ul style="list-style-type: none"> • Server runs on NT only • market share 	<ul style="list-style-type: none"> • Market Share

Source: <http://www.itc.virginia.edu/atg/video2/streaming/>

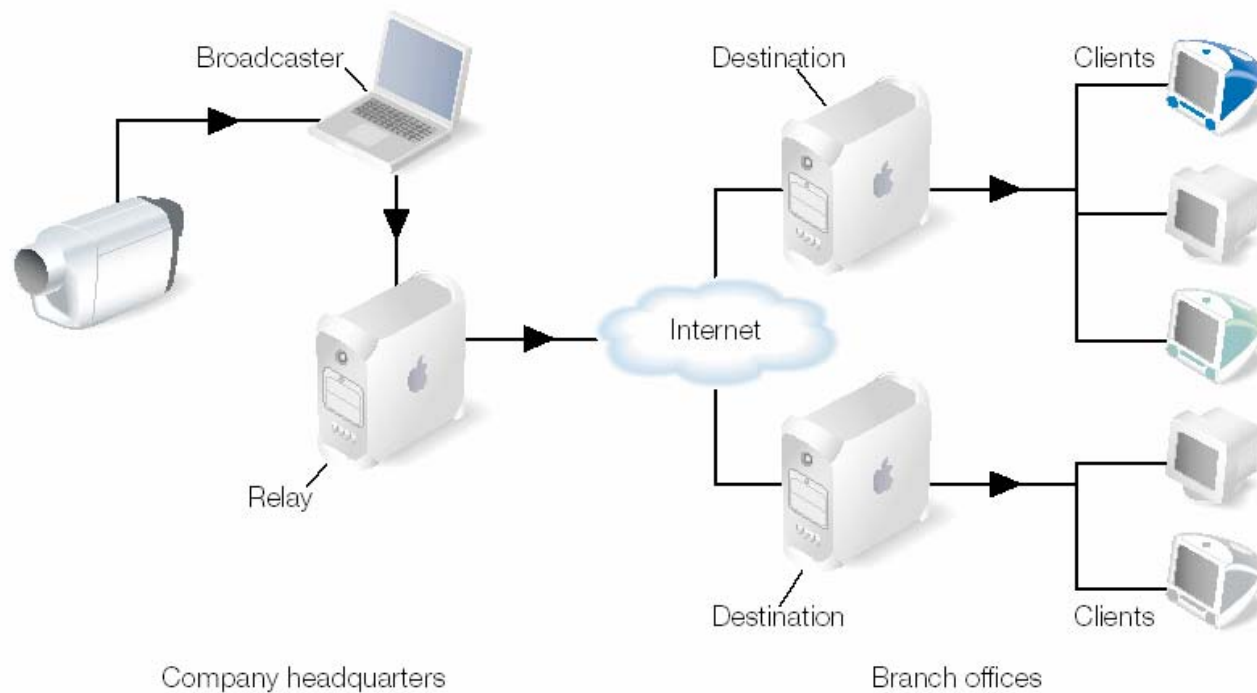
Broadcasting – Multicasting - Unicasting



Source: Administrator's Guide QTSS – DSS

http://developer.apple.com/darwin/projects/streaming/qtss_admin_guide.pdf

Broadcasting – Multicasting - Unicasting



Source: Administrator's Guide QTSS – DSS

http://developer.apple.com/darwin/projects/streaming/qtss_admin_guide.pdf

Features of QTSS and DSS

- List of features of QTSS and DSS
 - Native MPEG-4 streaming
 - MP3 audio streaming
 - Easier-to-use web-based admin :setup assistant and relays administration.
 - Improved Stream quality
 - Performance and overall stability of the server have been improved
 - Authentication:digest and basic
 - Server side playlist
 - Relay support:for several layers of servers

Hardware and Software Requirements

- Client computer requirements
 - QuickTime 6 and broadband internet connection
 - Any ISO-compliant MPEG-4 player can view MPEG-4 files
 - For MP3 playlist :any compatible streaming MP3 player like iTunes or WinAmp
- Server requirements (QTSS / DSS)

For QTSS:

- It can be use on an Xserve a Macintosh G4, a power Mac G4 a macintosh Server G3 a power Macintosh G3 an iMac or an eMac

Apple recommend:

- Min 128 (MB) of RAM
- A min 512 (MB) of RAM and 500MHZ processor speed
- 1GB Available disk space

Hardware and Software Requirements

For DSS :binaries and source code are available on

- Mac OS X
- RedHat Linux 7.2
- Solaris 8
- Windows 2000 and Windows NT

Live broadcasting requirements

- Audio,vedio equipment:VCR,Video camera,microphone
- A computer with QuickTime broadcaster or other broadcast software
- 128 MB of RAM (256 MB recomended for professional broadcasting)
- QuickTime 6 or later.

Installation Process

- 3-5 slides with Screenshots of:
 - Installation process
 - Results: File structure (Media Folders etc.)

Live Demo of Administration

- No slides (only to structure the Tutorial)

Setting up a Web Page with Streamed Media



