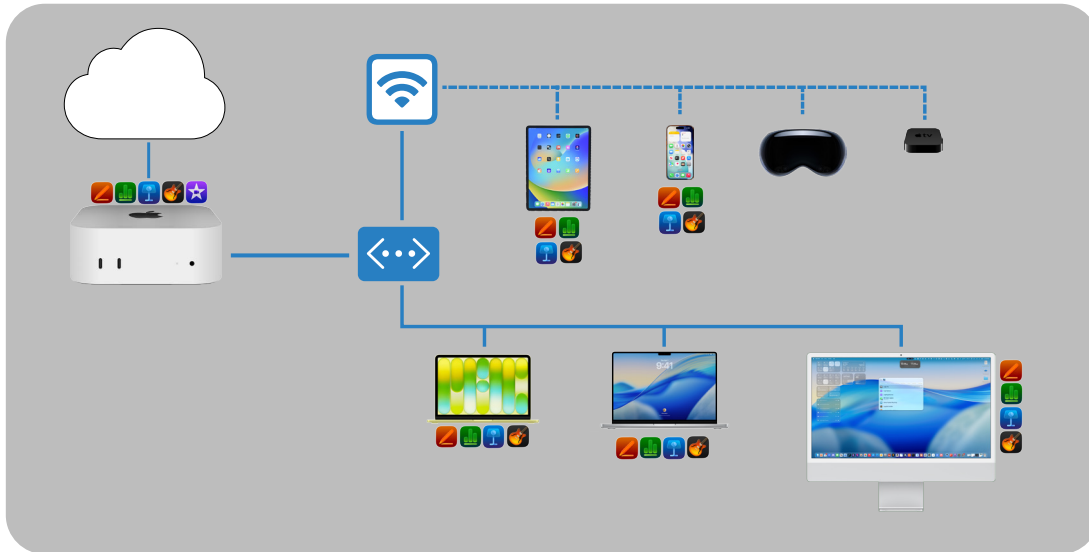




## Content Caching

Reduce Load. Boost Speed. Scale Seamlessly.



### Growing Content, Strained Connection

As organizations deploy more and more rich content, the internet connection may not be sufficient to keep up. Often bandwidth limitations are the number one reason for network congestion. Depending upon your geographical location, your bandwidth allocation may be limited with no option to expand.

### Cache Once. Deliver Across Your Network

Content caching helps accelerate Apple software downloads that would otherwise be retrieved from the internet by storing a local copy on your Mac. When devices on your network request updates—such as iOS, iPadOS, or macOS—they can download the content directly from the cached copy instead of reaching out to Apple's servers each time. This reduces bandwidth usage, minimizes external network traffic, and significantly improves download speeds for connected clients. By keeping frequently requested software readily available on your local network, content caching ensures faster, more efficient, and more reliable update delivery across your environment.

### Let HCS Technology Group help you plan your Content Caching strategy

Setup includes the following services to help streamline your solution:

1. Understand bandwidth usage
2. Design and deploy a content caching solution
  - Size and build the solution
  - Advanced Configurations
3. Monitor and maintain

### Requirements

- Mac computer with Apple silicon and a solid-state drive (SSD)
- Gigabit Ethernet (10Gb Ethernet strongly recommended if capable)
- 16 GB RAM or more
- Adequate storage for cache type

### Content Types Supported by Caching Service

#### macOS

- macOS updates and Internet Recovery images
- System firmware and recovery updates
- macOS installers downloaded from the App Store or softwareupdate --fetch-full installer
- Apps and app updates from the App Store
- GarageBand downloadable content
- iCloud data caching (photos and documents)
- Apple Books content
- Xcode downloadable components such as simulators (Xcode 10.2 or later)
- Aerial screen savers and wallpaper
- Apple Intelligence models

#### iOS, iPadOS, tvOS, and visionOS

- OS updates (over the air)
- Aerial screen savers on Apple TV
- Apps and app updates
- On-demand resources support
- iCloud data caching (photos and documents)
- Apple Books content
- Certain mobile assets, such as Siri high quality voices, language dictionaries, and more
- Schoolwork content, including file attachments and multimedia files added to assignments
- Apple Intelligence models

#### watchOS

- watchOS apps and app updates
- iCloud data caching