

Networking Resources



This thread has been locked by a moderator.



1.3k

General:

- TN3151 [Choosing the right networking API](#)
- [Networking Overview](#) document — Despite the fact that this is in the archive, this is still really useful.
- [TLS for App Developers](#) DevForums post
- [Choosing a Network Debugging Tool](#) documentation
- WWDC 2019 Session 712 [Advances in Networking, Part 1](#) — This explains the concept of *constrained networking*, which is Apple's preferred solution to questions like *How do I check whether I'm on Wi-Fi?*
- TN3135 [Low-level networking on watchOS](#)

Foundation networking:

- DevForums tags: [Foundation](#), [CFNetwork](#)
- [URL Loading System](#) documentation — `NSURLSession`, or `URLSession` in Swift, is the recommended API for HTTP[S] on Apple platforms.

Network framework:

- DevForums tag: [Network](#)
- [Network](#) framework documentation — Network framework is the recommended API for TCP, UDP, and QUIC on Apple platforms.

Network Extension (including Wi-Fi on iOS):

- See [Network Extension Resources](#)

Wi-Fi on macOS:

- DevForums tag: [Core WLAN](#)
- [Core WLAN](#) framework documentation

Secure networking:

- DevForums tags: [Security](#)
- [Apple Platform Security](#) support document
- [Preventing Insecure Network Connections](#) documentation — This is all about App Transport Security (ATS).
- [Available trusted root certificates for Apple operating systems](#) support article
- [Requirements for trusted certificates in iOS 13 and macOS 10.15](#) support article
- [About upcoming limits on trusted certificates](#) support article
- [Apple's Certificate Transparency policy](#) support article
- Technote 2232 [HTTPS Server Trust Evaluation](#)
- Technote 2326 [Creating Certificates for TLS Testing](#)
- QA1948 [HTTPS and Test Servers](#)

Miscellaneous:

- More network-related DevForums tags: [5G](#), [QUIC](#), [Bonjour](#)
- [On FTP](#) DevForums post
- [Using the Multicast Networking Additional Capability](#) DevForums post
- [Investigating Network Latency Problems](#) DevForums post
- [Local Network Privacy FAQ](#) DevForums post
- [Extra-ordinary Networking](#) DevForums post

Share and Enjoy

Quinn "The Eskimo!" @ Developer Technical Support @ Apple
let myEmail = "eskimo" + "1" + "@" + "apple.com"

Foundation

CFNetwork

Network

Reply

Posted 1 year ago by eskimo

Add a Comment

This site contains user submitted content, comments and opinions and is for informational purposes only. Apple disclaims any and all liability for the acts, omissions and conduct of any third parties in connection with or related to your use of the site. All postings and use of the content on this site are subject to the [Apple Developer Forums Participation Agreement](#).

Platforms

iOS

iPadOS

macOS

tvOS

watchOS

visionOS

Tools

Swift

SwiftUI

SF Symbols

Swift Playgrounds

TestFlight

Xcode

Xcode Cloud

Topics & Technologies

Accessibility

Accessories

App Extensions

App Store

Audio & Video

Augmented Reality

Business

Design

Distribution

Education

Fonts

Games

Health & Fitness

In-App Purchase

Localization

Maps & Location

Machine Learning

Security

Safari & Web

Resources

Documentation

Curriculum

Downloads

Forums

Videos

Support

Support Articles

Contact Us

Bug Reporting

System Status

Account

Apple Developer

App Store Connect

Certificates, IDs, & Profiles

Feedback Assistant

Programs

Apple Developer Program

Apple Developer Enterprise Program

App Store Small Business Program

MFi Program

News Partner Program

Video Partner Program

Security Bounty Program

Security Research Device Program

Events

App Accelerators

App Store Awards

Apple Design Awards

Apple Developer Academies

Entrepreneur Camp

Tech Talks

WWDC