

Networking Resources

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897

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

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