


XPC Resources

 This thread has been locked by a moderator.



 630

XPC is the preferred inter-process communication (IPC) mechanism on Apple platforms. XPC has three APIs:

- The high-level `NSXPCConnection` API, for Objective-C and Swift
- The low-level Swift API, introduced with macOS 14 (currently in beta)
- The low-level C API, which, while callable from all languages, works best with C-based languages

General:

- DevForums tag: [XPC](#)
- `NSXPCConnection` [class documentation](#)
- [Low-level API documentation](#)
- XPC has extensive [man pages](#) — For the low-level API, start with the `xpc` man page; this is the original source for the [XPC C API documentation](#) and still contains tidbits that you can’t find elsewhere. Also read the `xpcservice.plist` man page, which documents the property list format used by XPC services.
- [Daemons and Services Programming Guide](#) archived documentation
- Technote 2083 [Daemons and Agents](#) — It hasn’t been updated in... well... decades, but it’s still remarkably relevant.
- TN3113 [Testing and Debugging XPC Code With an Anonymous Listener](#)
- [XPC and App-to-App Communication](#) DevForums post
- [Validating Signature Of XPC Process](#) DevForums post

Related tags include:

- [Inter-process communication](#), for other IPC mechanisms
- [Service Management](#), for installing and uninstalling Service Management login items, `launchd` agents, and `launchd` daemons

Share and Enjoy

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

XPC

Reply

Posted 11 months 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
- 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