Networking with URLSession

Part 13: Conclusion

HTTP
REST
JSON

DataTask
DownloadTask
UploadTask

completion
delegate

BackgroundSession

Authentication
Cookies

ATS

GET
POST
PUT

URLSession
URLSessionConfiguration

OperationQueue
delegate queue

Architecture
AsyncOperation

Unit Testing
Task Metrics

Back-End Server Negotiations

- HTTP/2
- REST API
- Optimize background sessions
  - Transfer zip/tar archives
  - Transfer incremental diffs
  - Support resumable downloads and uploads
- ATS server requirements
  - HTTPS, CA certificate, TLS 1.2, PFS, SHA-256
- Public key pinning

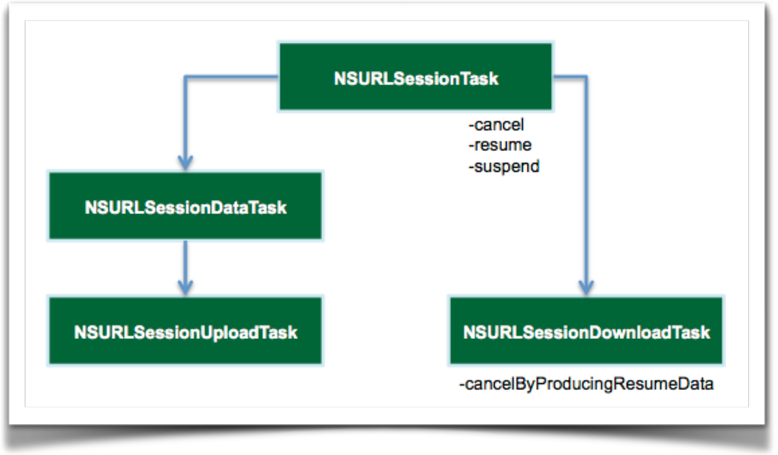
Where to go from here?

WWDC16 #711
NSURLSession: New Features and Best Practices

WWDC15 #711
Networking with NSURLSession

WWDC14 #707
What's New in Foundation Networking

WWDC13 #705
What's New in Foundation Networking

URL Session Programming Guide

URLSession Tutorial