



# Module 2

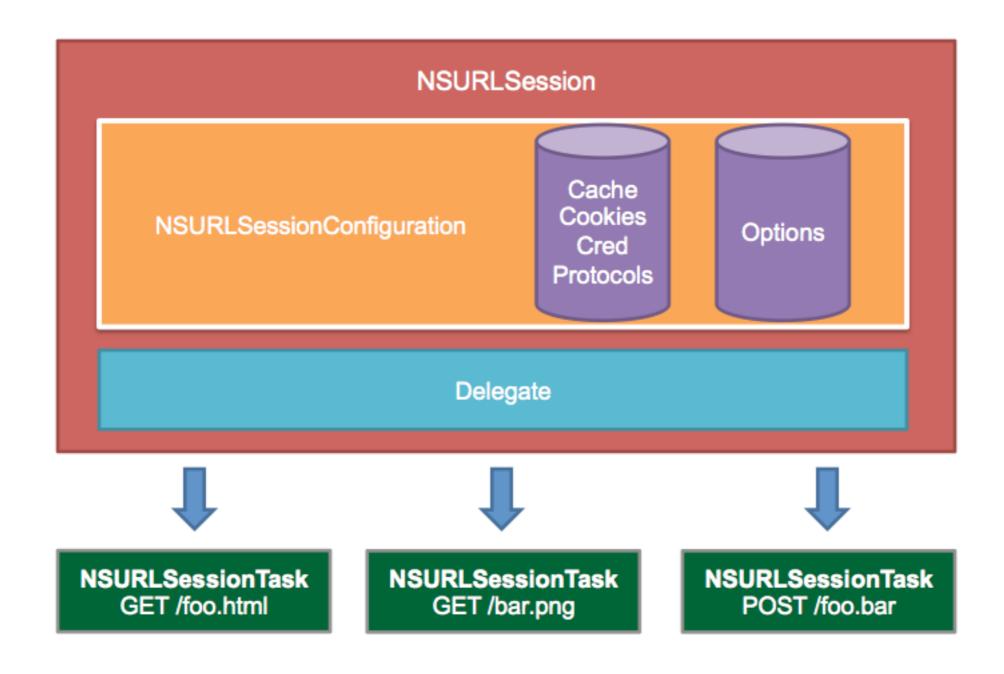
## Networking

Tomasz Mędryk















## NSURLSession

let session = NSURLSession(configuration:
NSURLSessionConfiguration.defaultSessionConfiguration())

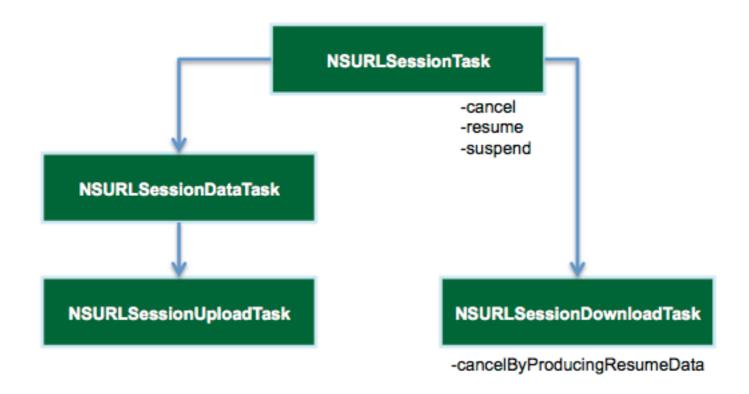
- defaultSessionConfiguration:
  - global cache
  - cookie storage objects
- ephemeralSessionConfiguration:
  - similar to the default configuration
  - session-related data stored in memory
- backgroundSessionConfiguration:
  - upload or download tasks in the background







## NSURLSessionTask









```
let baseURL = NSURL(string: "https://api.spotify.com/v1/")!
let request = NSURLRequest(URL: NSURL(string: "tracks/
0eGsygTp906u18L0Oimnem", relativeToURL: baseURL)!)
var session = NSURLSession.sharedSession()
var task = session.dataTaskWithRequest(request) {
   (data, response, error) -> Void in
   if let error = error {
      callback("", error.localizedDescription)
   } else {
      var result = NSString(data: data, encoding:
         NSASCIIStringEncoding)!
      callback(result, nil)
task.resume()
```





#### **NSURLComponents**

- scheme
- user
- password
- host
- port
- path
- query
- fragment

#### **NSURLQueryItem**

- name
- value







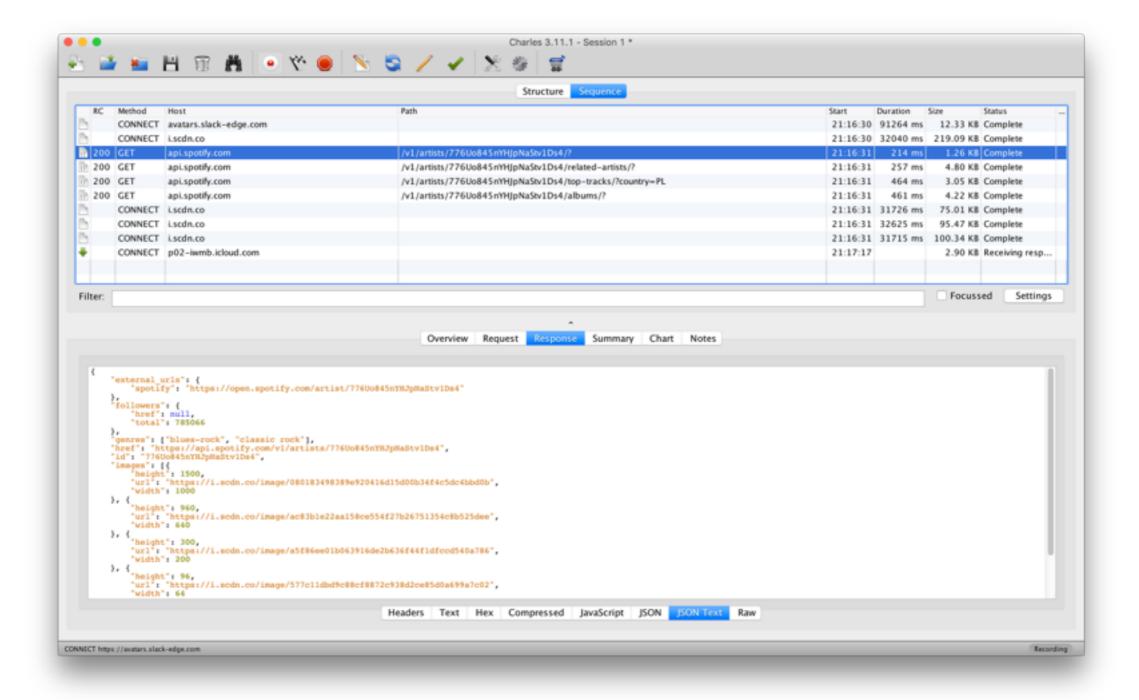
```
let trackIds = ["0eGsygTp906u18L00imnem"]
let urlComponents = NSURLComponents()
urlComponents.scheme = "https"
urlComponents.host = "api.spotify.com"
urlComponents.path = "/v1/tracks/"
urlComponents.queryItems = [NSURLQueryItem(name: "ids",
   value: trackIds.encoded)]
debugPrint(urlComponents.URL)
"https://api.spotify.com/v1/tracks/?
ids=0eGsygTp906u18L00imnem"
```







## Charles

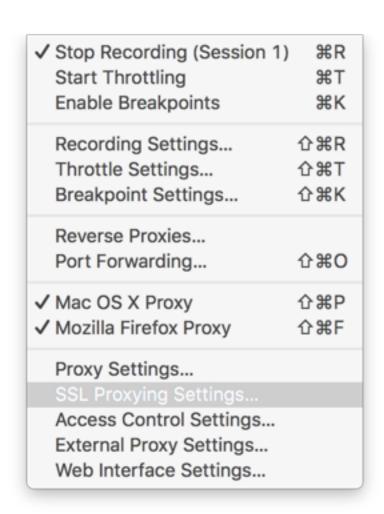


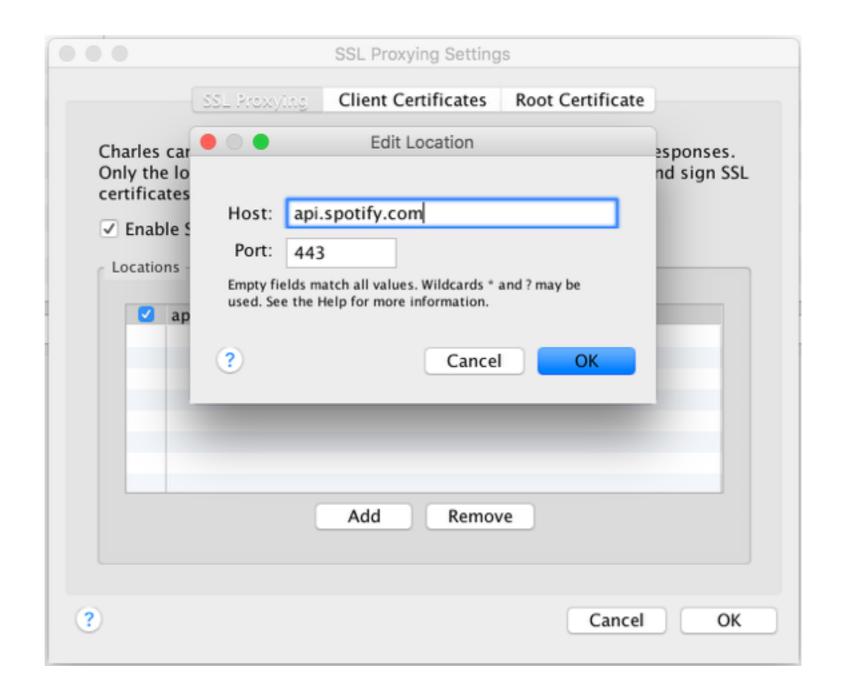






## Charles



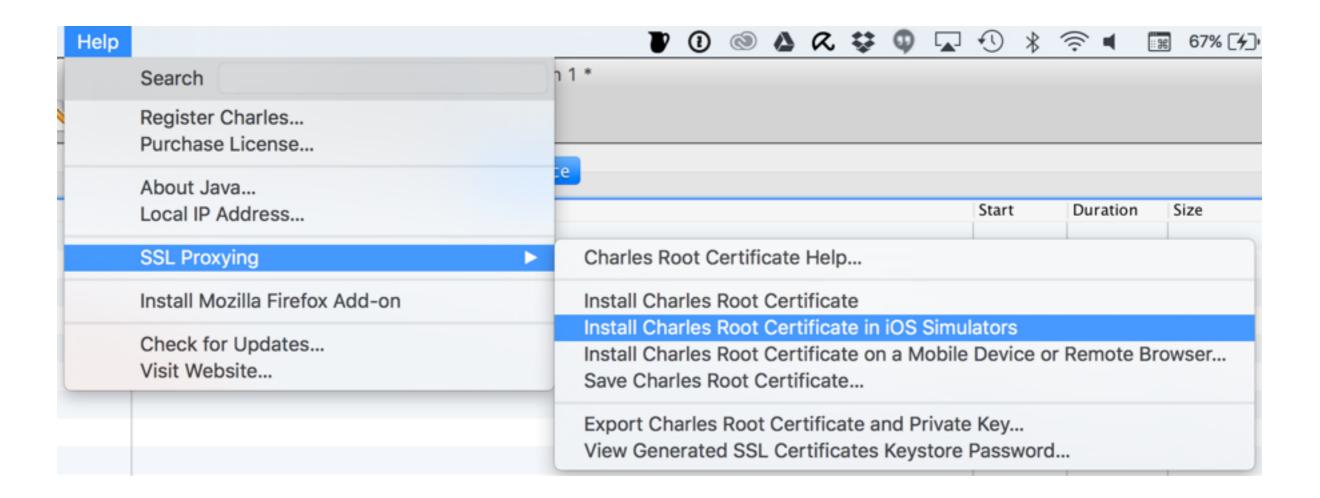








### Charles









# Allow non-SSL (HTTP) requests

App Transport Security Settings	<b>A</b>	Dictionary	(1 item)
Allow Arbitrary Loads	<b>A</b>	Boolean	YES