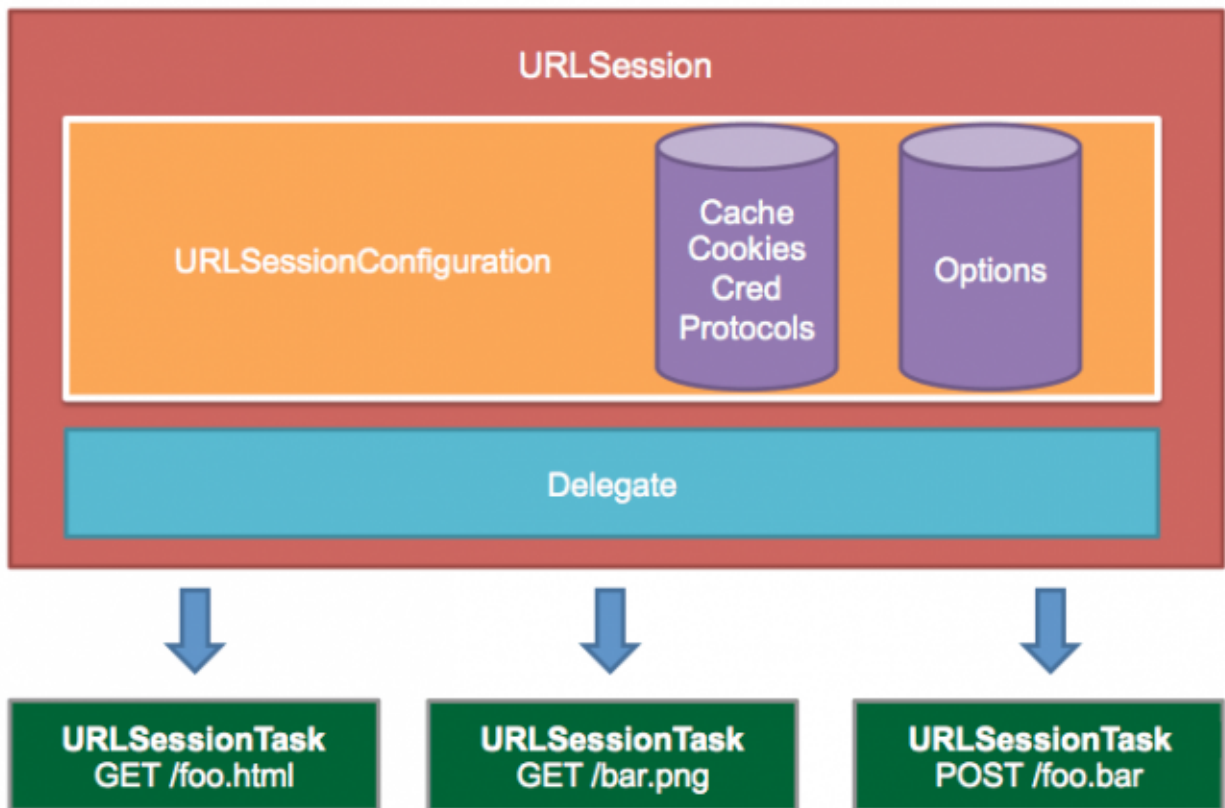


1.What is URLSession?

The URLSession class and related classes provide an API for downloading data from and uploading data to endpoints indicated by URLs. Your app can also use this API to perform background downloads when your app isn't running or, in iOS, while your app is suspended. In layman terms, URLSession is both a class and a suite of classes for handling HTTP- and HTTPS-based requests:



URLSession is the key object responsible for sending and receiving requests. You create it via URLSessionConfiguration.

2.What are types of URLSessionConfiguration?

There are mainly three types of URLSessionConfiguration:

- default: Creates a default configuration object that uses the disk-persisted global cache, credential and cookie storage objects.
- ephemeral: Similar to the default configuration, except that you store all of the session-related data in memory. Think of this as a “private” session.
- background: Lets the session perform upload or download tasks in the background.

Transfers continue even when the app itself is suspended or terminated by the system.

URLSessionConfiguration also lets you configure session properties such as timeout values, caching policies and HTTP headers.

3.What is URLSessionTask?Explain Types of URLSessionTask?

URLSessionTask is an abstract class that denotes a task object. A session creates one or more tasks to do the actual work of fetching data and downloading or uploading files.

There are three types of session tasks:

- **URLSessionDataTask:** Use this task for GET requests to retrieve data from servers to memory.
- **URLSessionUploadTask:** Use this task to upload a file from disk to a web service via a POST or PUT method.
- **URLSessionDownloadTask:** Use this task to download a file from a remote service to a temporary file location.