

NETWORKING WITH URLSESSION



PART 3: URLSESSION

URLSESSION API

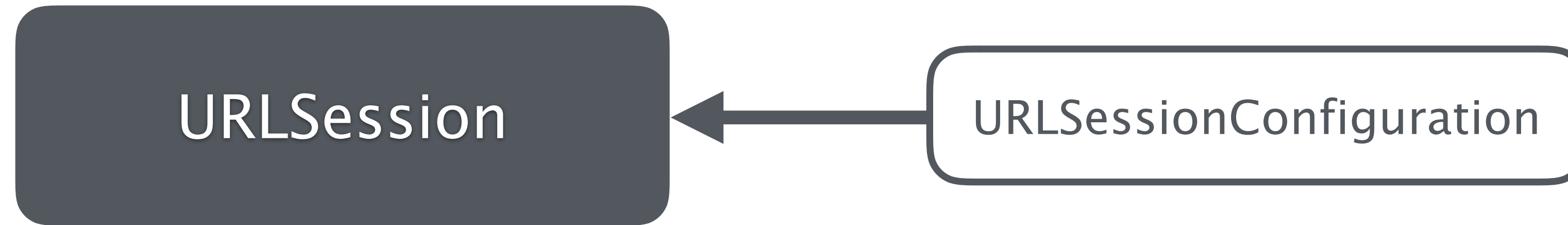


URLSESSION API

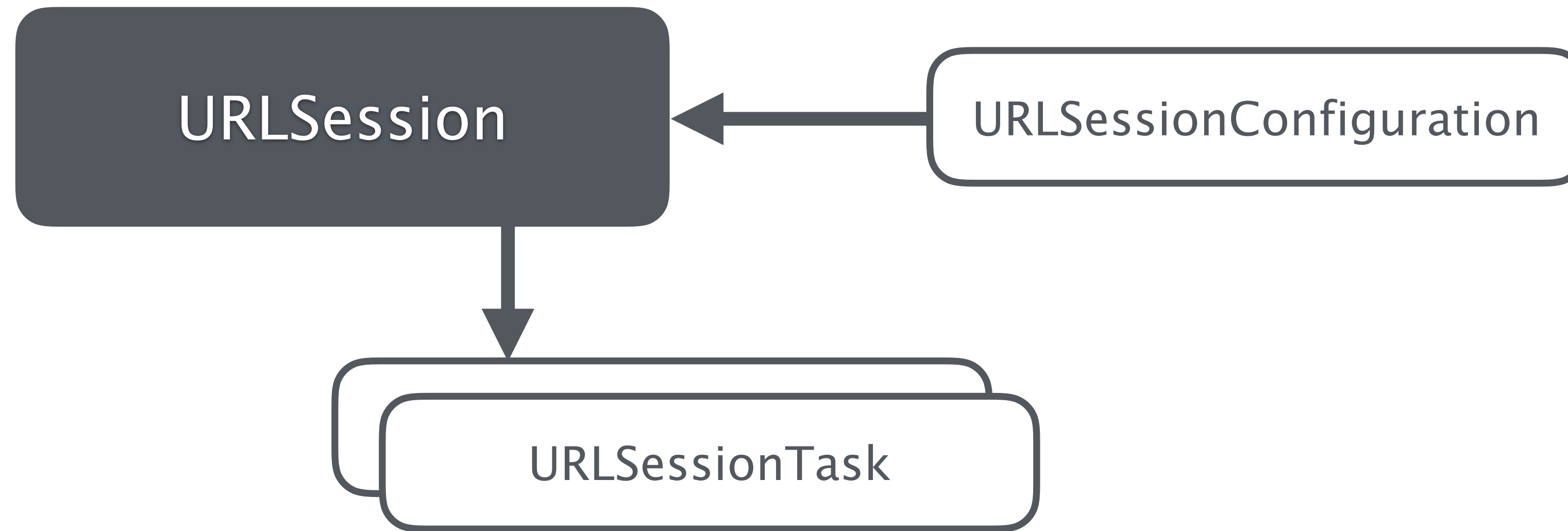
URLSession



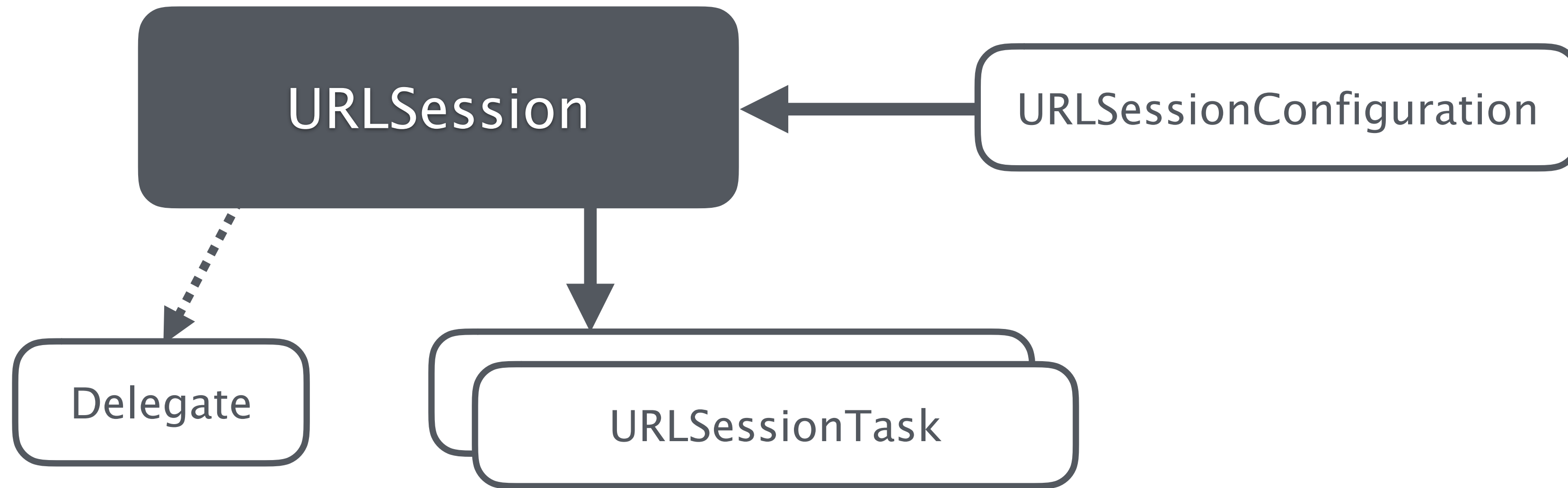
URLSESSION API



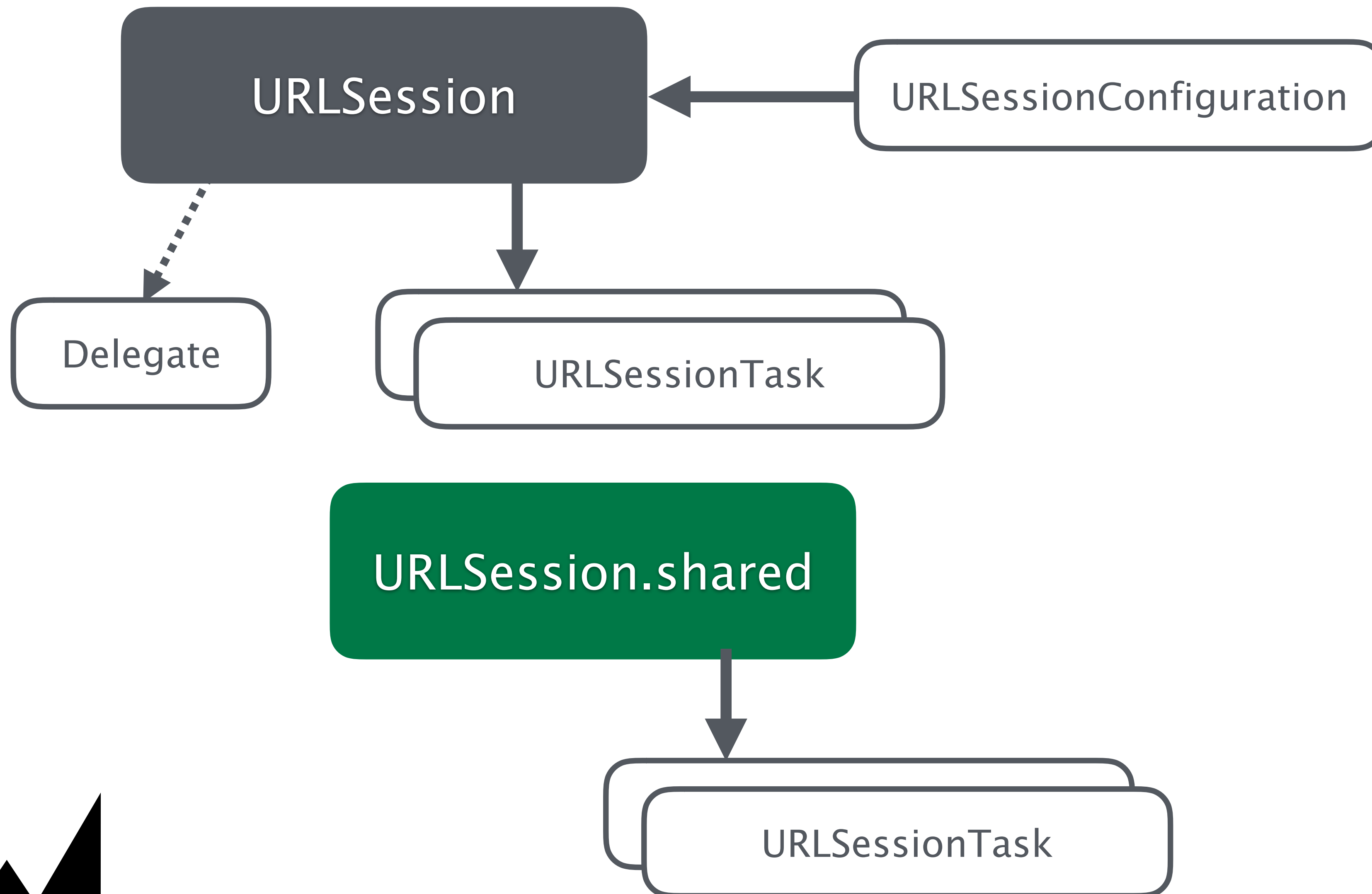
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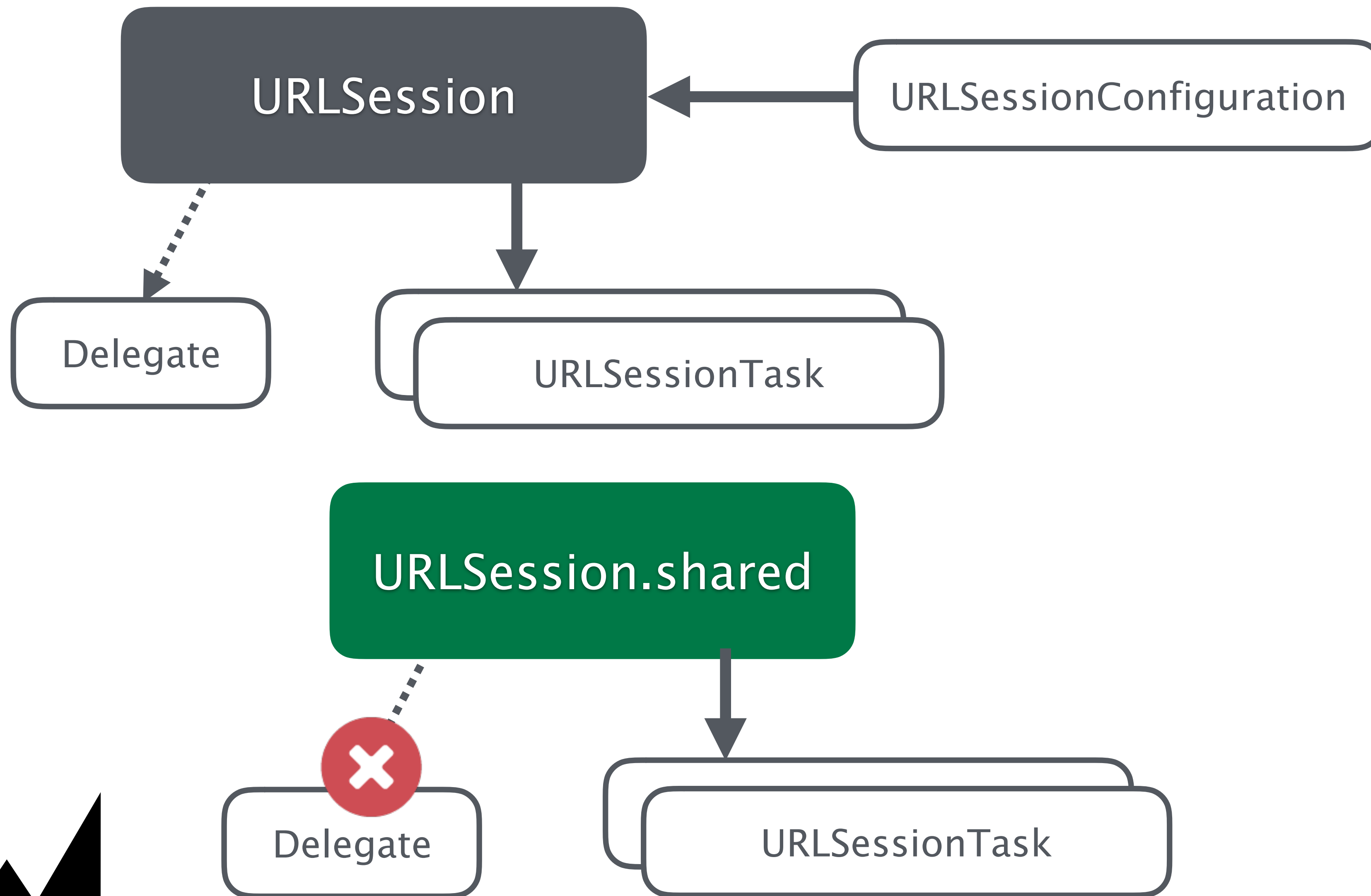
URLSESSION API



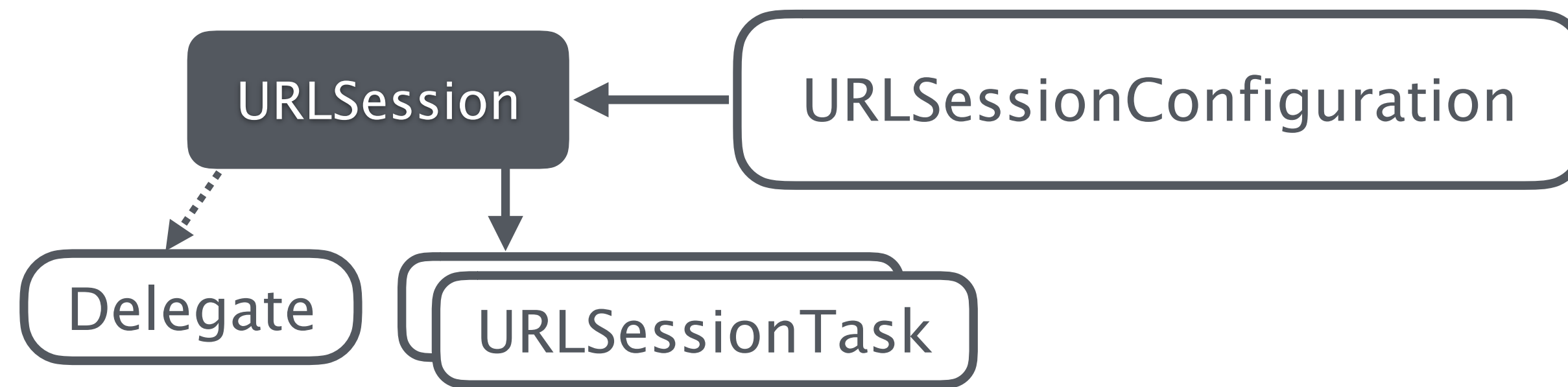
URLSESSION API



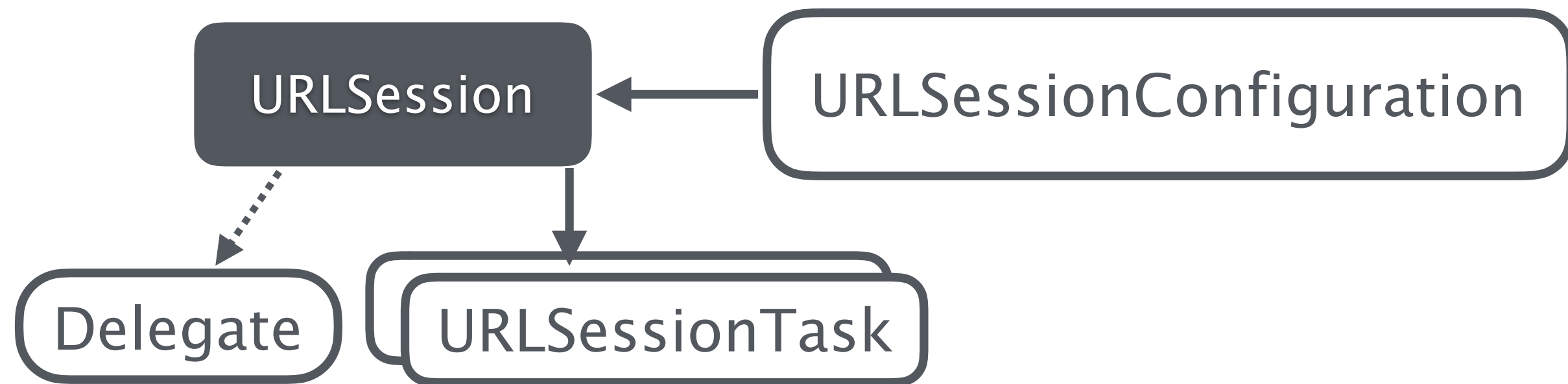
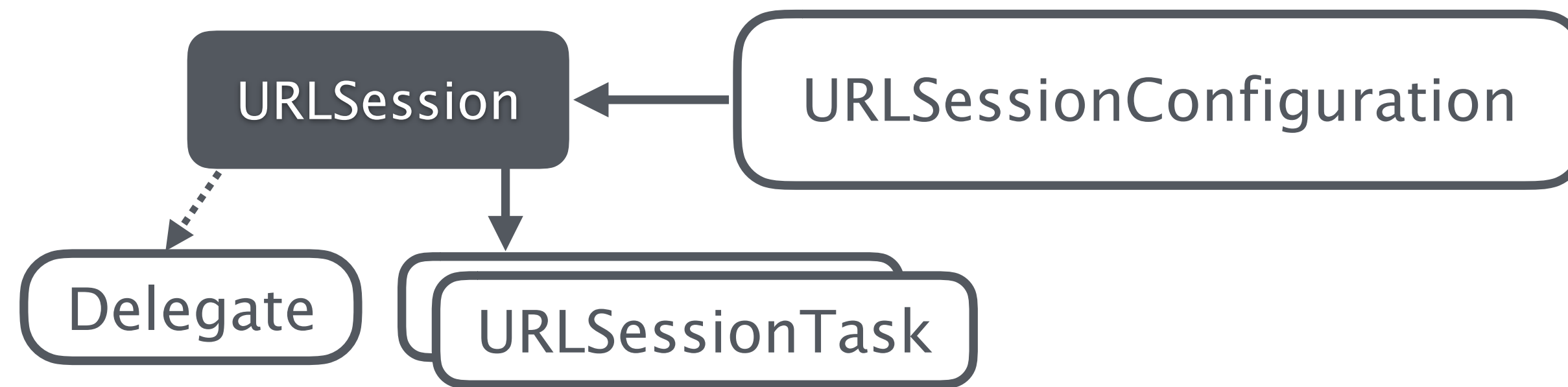
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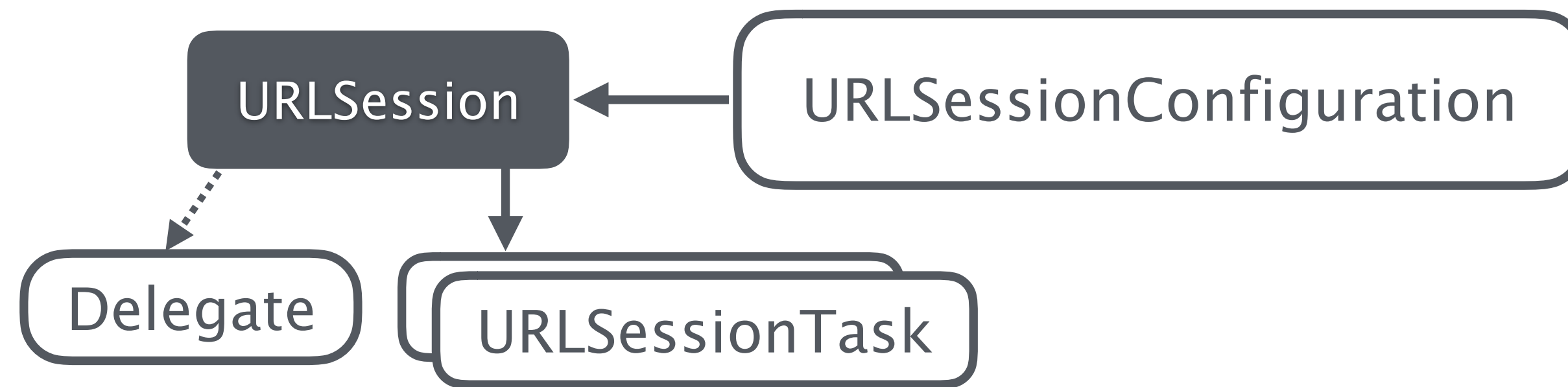
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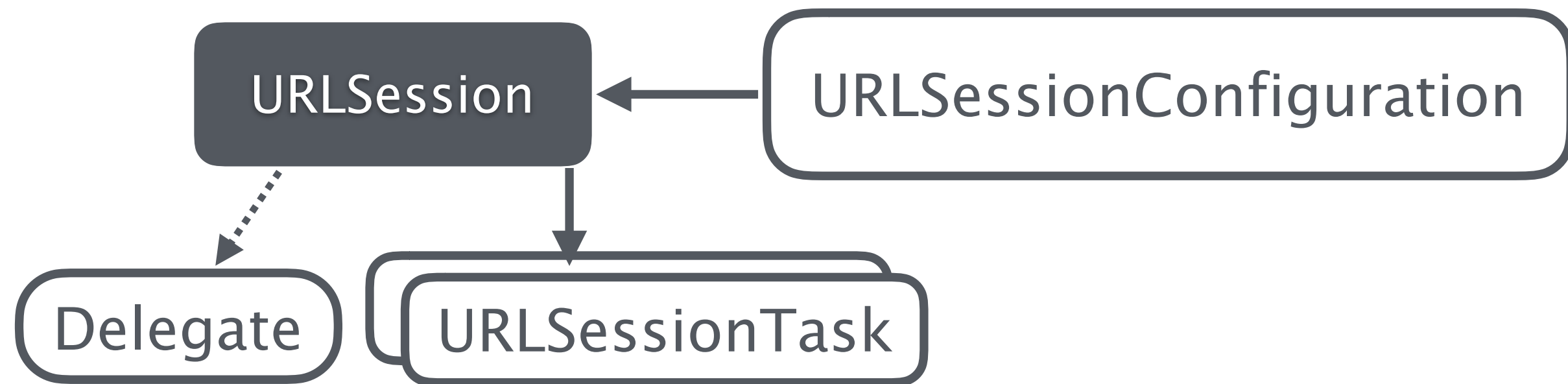
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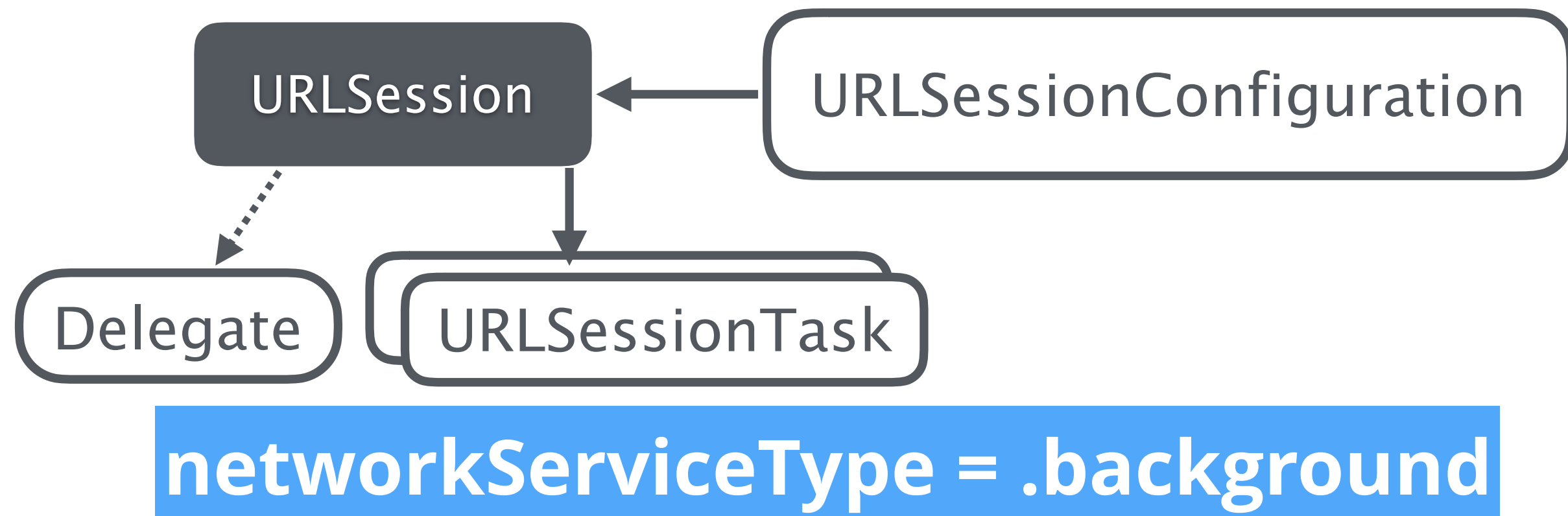
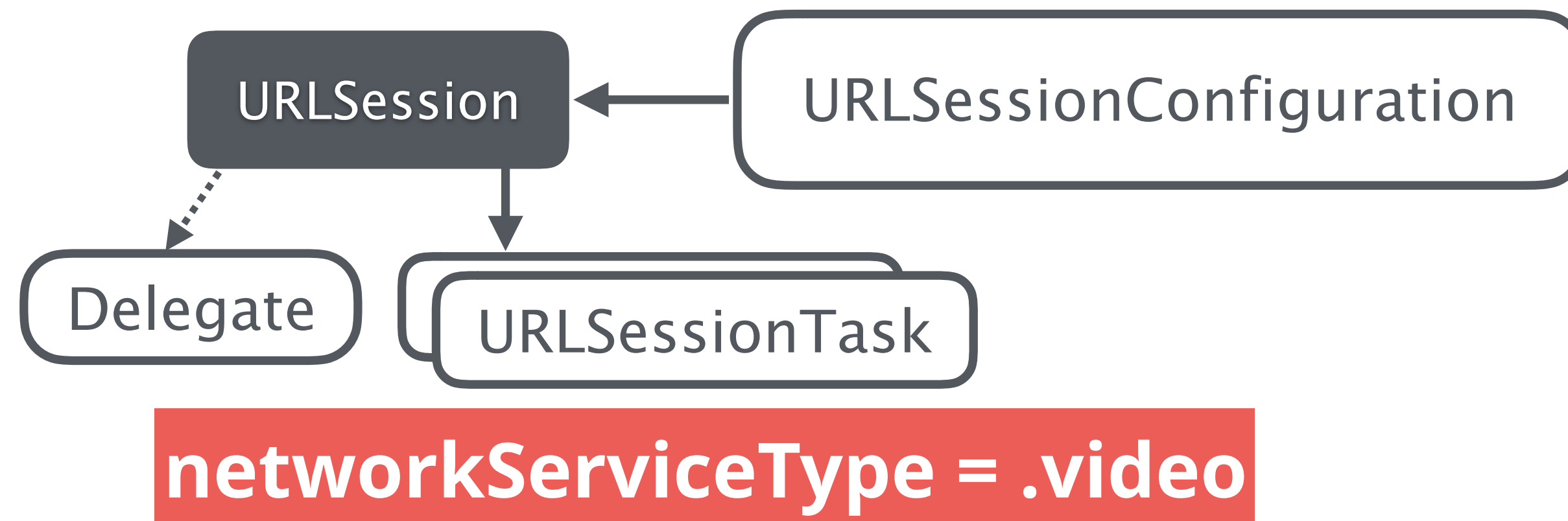
URLSESSION API



networkServiceType = .video



URLSESSION API

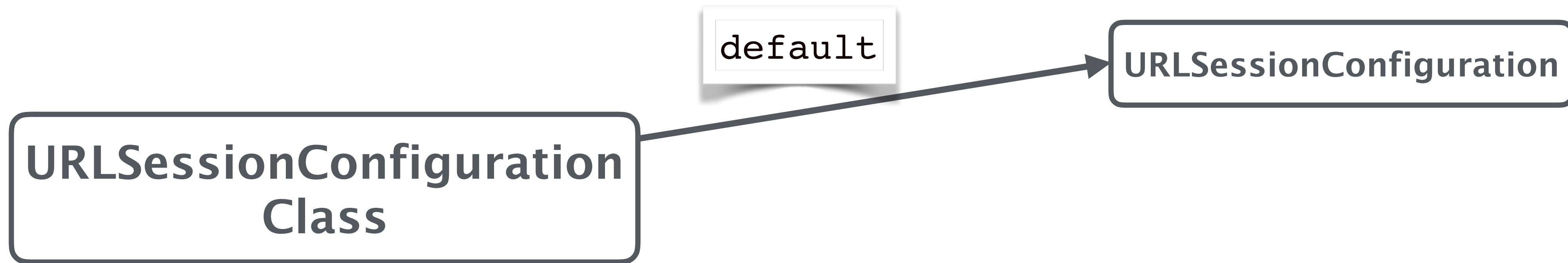


URLSESSIONCONFIGURATION

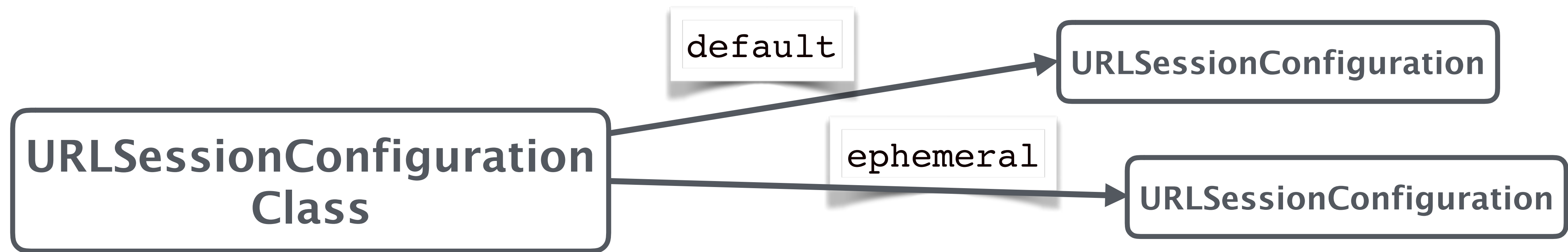
URLSessionConfiguration
Class



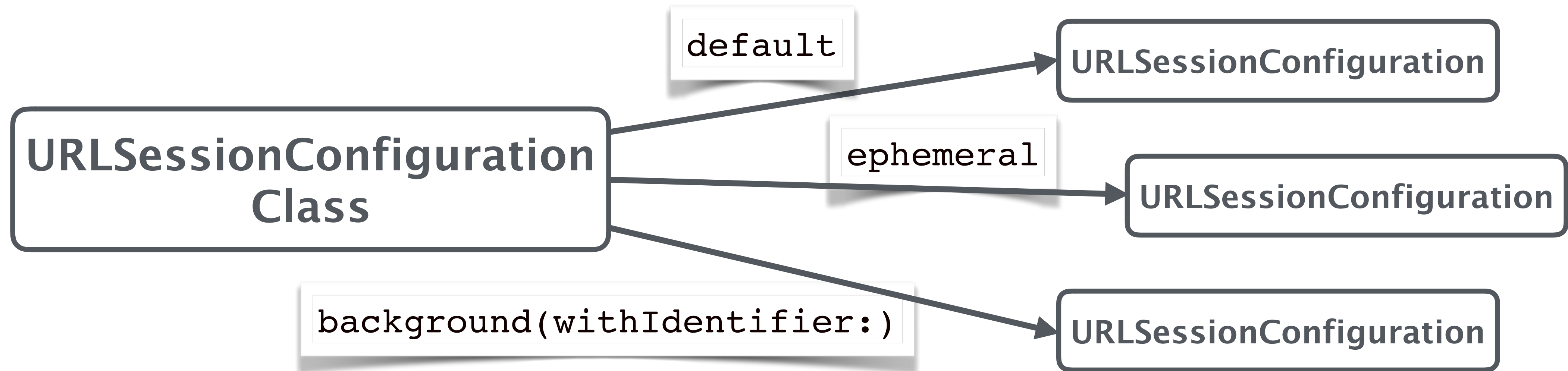
URLSESSIONCONFIGURATION



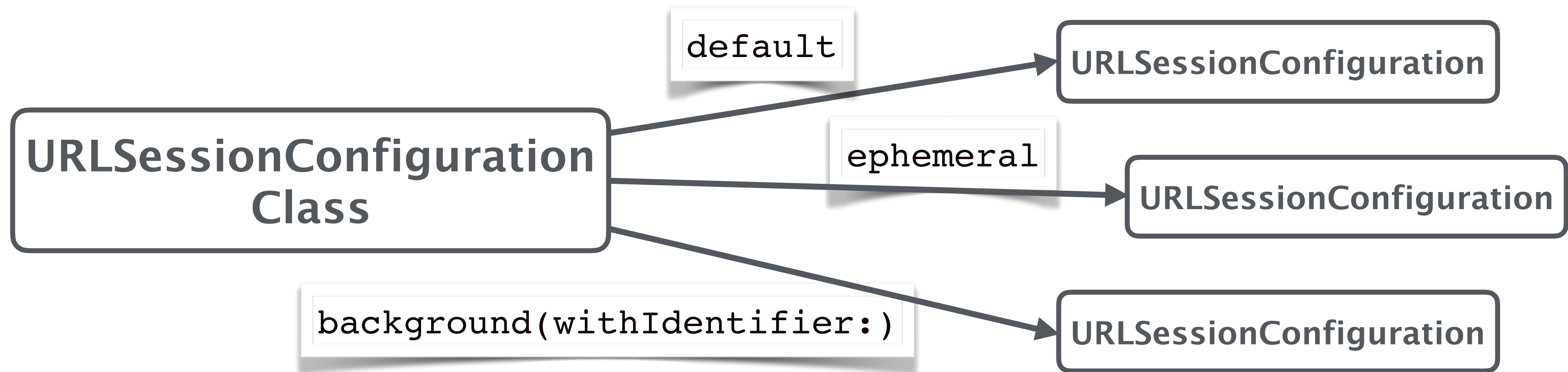
URLSESSIONCONFIGURATION



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URLSESSIONCONFIGURATION



```
let configuration = URLSessionConfiguration.default
configuration.allowsCellularAccess = false
let session = URLSession(configuration: configuration)

// Does not impact the existing session
configuration.allowsCellularAccess = true
```

URLSESSIONTASKS

- ▶ URLSessionDataTask
 - ▶ response in memory
 - ▶ not supported in background sessions
- ▶ URLSessionUploadTask
 - ▶ easier to provide request body
- ▶ URLSessionDownloadTask
 - ▶ response written to file on disk



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URLSESSIONDATATASK



URLSESSIONDATATASK

```
func dataTask(with: URL,  
              completionHandler: @escaping (Data?, URLResponse?, Error?) -> Void)
```



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func dataTask(with: URL,  
              completionHandler: @escaping (Data?, URLResponse?, Error?) -> Void)
```

```
func dataTask(with: URLRequest,  
              completionHandler: @escaping (Data?, URLResponse?, Error?) -> Void)
```



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func dataTask(with: URL,  
              completionHandler: @escaping (Data?, URLResponse?, Error?) -> Void)
```

```
func dataTask(with: URLRequest,  
              completionHandler: @escaping (Data?, URLResponse?, Error?) -> Void)
```

```
func dataTask(with: URL)
```

```
func dataTask(with: URLRequest)
```



DEMO



CHALLENGE TIME!

