

Как правильно собрать пример из нашего SDK

1) делаем все как там написано

Копируем `rtpkcs11esp.framework` (лучше брать из папки `pkcs11 -> static`), `rtpcsc.framework` (`pcsc`) и `RDRrtsupcr.framework` (`rtsupcr`) в папку `frameworks` примера

Скачиваем криптопро

Копируем криптопро `framework` и лицензию

2) в фреймворке криптопро в папке `readers` в папке `Aktiv` есть библиотеки - ИХ НЕ НАДО ИСПОЛЬЗОВАТЬ

Следует вычистить все ран-скрипты кроме строчки `${SRCROOT}/Frameworks/CPROCSP.framework/ConfigureApplication`

Следует удалить `librtsupcr.dylib` из бинарных зависимостей вовсе (этот шаг не обязательный, но желательный)

3) Если криптопро новое (4.0) то чтобы убрать ошибки линковки надо добавить в бинарные зависимости библиотеку `libc++.dylib`

4) САМОЕ ВАЖНОЕ:

В `Build Settings -> other linking flags` добавляем `-all_load`

testiphoneappl iPhone Finished running testiphoneappl 52

Stop the running scheme or application stiphoneappl.xcodeproj

**testiphoneappl**  
1 target, iOS SDK 8.1

- testiphoneappl
  - Resources
  - Frameworks
    - libc++.dylib
    - libconv.dylib
    - libz.dylib
    - libstdc++.dylib
    - CPROCSP.framework
    - RDRRTSupCp.framework
    - RtPsc.framework
    - RtPKCS11ECP.framework
    - Security.framework
    - CoreFoundation.framework
    - ExternalAccessory.framework
    - UIKit.framework
    - Foundation.framework
    - CoreGraphics.framework
  - Products
    - testiphoneappl.app

testiphoneappl

General Capabilities Info Build Settings Build Phases Build Rules

+

RDRRTSupCp.framework	Required
RtPsc.framework	Required
RtPKCS11ECP.framework	Required
Security.framework	Required
libconv.dylib	Required
libz.dylib	Required
libstdc++.dylib	Required
CoreFoundation.framework	Required
ExternalAccessory.framework	Required
UIKit.framework	Required
Foundation.framework	Required
CoreGraphics.framework	Required

Drag to reorder frameworks

---

**Run Script**

Shell /bin/sh

```

1  ${SRCROOT}/Frameworks/CPROCSP.framework/ConfigureApplication
2

```

Show environment variables in build log  
 Run script only when installing

Input Files

Add input files here

+

Output Files

Add output files here

+

No Selection

---

Cocoa Touch Class - A Cocoa Touch class

---

Test Case Class - A class implementing a unit test

---

Playground - A Playground

No Selection

```

-> OK
Setting activation password -> OK
Check session now can be opened
-> OK
Finalizing library -> OK

```

All Output

testiphoneappl iPhone Finished running testiphoneappl 52

testiphoneappl.xcodeproj

By File By Type

- testiphoneappl project
  - 1 issue
  - testiphoneappl.xcodeproj
    - Validate Project Settings
    - Update to recommended settings
  - testiphoneappl
    - 51 issues
    - testiphoneappl.xcodeproj
      - Retina 4-inch Support
      - Missing "Default-568h@2x.png" launch image
    - Pkcs11.m
      - Semantic Issue
      - Sending 'CK\_CHAR [16]' to parameter of type 'const char \*'...
      - Semantic Issue
      - Incompatible pointer types sending 'size\_t' (aka 'unsigned long') to...
    - CPReader.m
      - Unused Entity Issue
      - Unused variable 'filteredList'
    - CryptoPro.m
      - Format String Issue
      - Format specifies type 'unsigned long' but the argument has type...
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testiphoneappl

General Capabilities Info Build Settings Build Phases Build Rules

Target Dependencies (0 items)

Run Script

Copy Bundle Resources (28 items)

Compile Sources (7 items)

Link Binary With Libraries (14 items)

Name	Status
libc++.dylib	Required
CPROCSP.framework	Required
RDRRTSupCp.framework	Required
RtPcsc.framework	Required
RtPKCS11ECP.framework	Required
Security.framework	Required
libcconv.dylib	Required
libz.dylib	Required
libstdc++.dylib	Required
CoreFoundation.framework	Required
ExternalAccessory.framework	Required
UIKit.framework	Required
Foundation.framework	Required
CoreGraphics.framework	Required

Drag to reorder frameworks

Run Script

No Selection

```

-> OK
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-> OK
Finalizing library -> OK
  
```

Identity and Type

Name testiphoneappl

Location Absolute

testiphoneappl.xcodeproj

Full Path /Users/m/Desktop/rutokenSDK-21-2014-09-17\_19-31-27-2/Samples/Mobile/iOS/CryptoProSample/testiphoneappl.xcodeproj

Project Document

Project Format Xcode 3.2-compatible

Organization Aktiv Co

Class Prefix

Text Settings

Indent Using Spaces

Widths 4 4

Tab Indent

Wrap lines

Source Control

Repository --

Type --

Current Branch --

Version --

Status No changes

Location

Cocoa Touch Class - A Cocoa Touch class

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All Output

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testiphoneappl.xcodeproj

testiphoneappl  
1 target, iOS SDK 8.1  
testiphoneappl  
Resources  
Frameworks  
libc++.dylib  
libcconv.dylib  
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Foundation.framework  
CoreGraphics.framework  
Products  
testiphoneappl.app

testiphoneappl  
General Capabilities Info Build Settings Build Phases Build Rules

Copy Bundle Resources (28 items)

- config.ini ...in Frameworks/CPROCSP.framework/Resources
- CPCAViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- CPCAViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- CPROCertviewController.xib ...in Frameworks/CPROCSP.framework/Resources
- CPROCertviewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- en.lproj ...in Frameworks/CPROCSP.framework/Resources
- kis\_1 ...in Frameworks/CPROCSP.framework/Resources
- license.enc ...in Frameworks/CPROCSP.framework/Resources
- locale ...in Frameworks/CPROCSP.framework/Resources
- MSCARequestViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- MSCARequestViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- NewUserController.xib ...in Frameworks/CPROCSP.framework/Resources
- NewUserControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- PaneViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- PaneViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- RequestSelectionViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- RequestSelectionViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- RndmBioViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- RndmBioViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- ru.lproj ...in Frameworks/CPROCSP.framework/Resources
- SelectionViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- SelectionViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- TemplateSelectionViewController.xib ...in Frameworks/CPROCSP.framework/Resources
- TemplateSelectionViewControlleriPhone.xib ...in Frameworks/CPROCSP.framework/Resources
- logo-product-rutoken.png
- icon-product-rutoken-classic.png
- MainStoryboard\_iPad.storyboard ...in testiphoneappl/(localization).lproj
- MainStoryboard\_iPhone.storyboard ...in testiphoneappl/(localization).lproj

No Selection

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testiphoneappl.xcodeproj

testiphoneappl project 1 issue

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testiphoneappl

Basic All Combined Levels +

Linking

Setting	testiphoneappl
Bundle Loader	
Compatibility Version	
Current Library Version	
Dead Code Stripping	No
Display Mangled Names	No
Don't Create Position Independent Executables	No
Don't Dead-Strip Inits and Terms	No
Dynamic Library Install Name	
Dynamic Library Install Name Base	
Exported Symbols File	
Initialization Routine	
Link With Standard Libraries	Yes
Mach-O Type	Executable
Order File	
Other Librarian Flags	
Other Linker Flags	-all_load
Path to Link Map File	<Multiple values>
Debug	build/testiphoneappl.build/Debug-iphones/testiphoneappl.build/testiphoneappl-LinkMap--.txt
Release	build/testiphoneappl.build/Release-iphones/testiphoneappl.build/testiphoneappl-LinkMap--.txt
Path to Linker Dependency Info File	//testiphoneappl_dependency_info.dat
Perform Single-Object Prelink	No
Prelink libraries	
Preserve Private External Symbols	No
Quote Linker Arguments	Yes
Runpath Search Paths	
Separately Edit Symbols	No
Single-Object Prelink Flags	
Symbol Ordering Flags	
Unexported Symbols File	
Warning Linker Flags	
Write Link Map File	No

Packaging

Setting testiphoneappl

Auto

Identity and Type

Name testiphoneappl

Location Absolute

Full Path /Users/m/Desktop/rutokenSDK-21-2014-09-17\_19-31-27-2/Samples/Mobile/OS/CryptoProSample/testiphoneappl.xcodeproj

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