LEARNING
ios10

#ios10

Table of Contents

About

You can share this PDF with anyone you feel could benefit from it, downloaded the latest version from: ios10

It is an unofficial and free ios10 ebook created for educational purposes. All the content is extracted from Stack Overflow Documentation, which is written by many hardworking individuals at Stack Overflow. It is neither affiliated with Stack Overflow nor official ios10.

The content is released under Creative Commons BY-SA, and the list of contributors to each chapter are provided in the credits section at the end of this book. Images may be copyright of their respective owners unless otherwise specified. All trademarks and registered trademarks are the property of their respective company owners.

Use the content presented in this book at your own risk; it is not guaranteed to be correct nor accurate, please send your feedback and corrections to info@zzzprojects.com

Chapter 1: Getting started with ios10

Remarks

This section provides an overview of what iOS 10 is, and why a developer might want to use it.

It should also mention any large subjects within iOS 10, and link out to the related topics. Since the Documentation for iOS 10 is new, you may need to create initial versions of those related topics.

Examples

Installation or Setup

Detailed instructions on getting iOS 10 set up or installed.

Read Getting started with ios10 online: https://riptutorial.com/ios10/topic/7203/getting-started-with-ios10

Chapter 2: iOS 10 - Changes in asking permissions of Camera,Photo Library causing application to crash

Introduction

In iOS 10 Apple is extending the scope of privacy control. User need to ask the use permission before access the user private data in following key :Calendar,Contact,Reminder,Photo,Bluetooth Sharing,Microphone , Camera ,Location,Heath,HomeKit ,MediaLibrary,Motion,CallKit,Speech Recognition, SiriKit,TV Provider User need to declare in info.plist file to access any of private data.

Examples

IOS 10 Permission required for accessing Camera, Photo library ....

iOS 10 Now Requires User Permission to Access Media Library, Photos, Camera and other Hardware like these. The solution for this is to add their keys into info.plist with description for user that how we are using their data , iOS already required permissions to access microphone, camera, and media library earlier (iOS6, iOS7), but since iOS10 the apps will crash if you don't provide the description why you are asking for the permission.

There is a list of all Cocoa Keys that you can specify in your Info.plist file

Photo :

```
Key      :  Privacy – Photo Library Usage Description
Value   :  $(PRODUCT_NAME) photo use
```

Microphone :

```
Key       :  Privacy – Microphone Usage Description
Value    :  $(PRODUCT_NAME) microphone use
```

Camera :

```
Key      :  Privacy – Camera Usage Description
Value   :  $(PRODUCT_NAME) camera use
```

https://developer.apple.com/library/content/documentation/General/Reference/InfoPlistKeyReference/Artic

Permissions needed for privacy Keys in iOS 10

Calendar : Key : Privacy - Calendars Usage Description
Value : $(PRODUCT_NAME) calendar events

Reminder : Key : Privacy - Reminders Usage Description
Value : $(PRODUCT_NAME) reminder use

Contact : Key : Privacy - Contacts Usage Description
Value : $(PRODUCT_NAME) contact use

Photo : Key : Privacy - Photo Library Usage Description
Value : $(PRODUCT_NAME) photo use

Bluetooth Sharing : Key : Privacy - Bluetooth Peripheral Usage Description
Value : $(PRODUCT_NAME) Bluetooth Peripheral use

Microphone : Key : Privacy - Microphone Usage Description
Value : $(PRODUCT_NAME) microphone use

Camera : Key : Privacy - Camera Usage Description
Value : $(PRODUCT_NAME) camera use

Location : Key : Privacy - Location Always Usage Description
Value : $(PRODUCT_NAME) location use

Key : Privacy - Location When In Use Usage Description
Value : $(PRODUCT_NAME) location use

Heath : Key : Privacy - Health Share Usage Description
Value : $(PRODUCT_NAME) health share use

Key : Privacy - Health Update Usage Description
Value : $(PRODUCT_NAME) health update use

HomeKit : Key : Privacy - HomeKit Usage Description
Value : $(PRODUCT_NAME) home kit use

Media Library : Key : Privacy - Media Library Usage Description
Value : $(PRODUCT_NAME) media library use

Motion : Key : Privacy - Motion Usage Description
Value : $(PRODUCT_NAME) motion use

Speech Recognition : Key : Privacy - Speech Recognition Usage Description
Value : $(PRODUCT_NAME) speech use

SiriKit : Key : Privacy - Siri Usage Description
Value : $(PRODUCT_NAME) siri use

TV Provider : Key : Privacy - TV Provider Usage Description
Value : $(PRODUCT_NAME) tvProvider use

If you don't providing the privacy key in Info.plist, then app will crash. Logs are like this :

The app has crashed because it attempted to access privacy-sensitive data without a usage description. The app's Info.plist must contain an **NSCalendarUsageDescription** key with a string value explaining to the user how the app user how the app uses this data.

Read iOS 10 - Changes in asking permissions of Camera,Photo Library causing application to crash online: https://riptutorial.com/ios10/topic/8244/ios-10---changes-in-asking-permissions-of-camera-photo-library-causing-application-to-crash

Credits

S. No	Chapters	Contributors
1	Getting started with ios10	Community, gemmakbarlow
2	iOS 10 - Changes in asking permissions of Camera,Photo Library causing application to crash	animuson, Ruby, user459460