Apple Inc.

Apple iOS and iPadOS 13 Contacts Common Criteria Configuration Guide

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Version 1.5

Prepared for Apple Inc.

Prepared by Acumen Security LLC.

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1 Contents

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Revision History

Version	Date	Description
1.0	December 2019	Initial Version.
1.1	February 2020	Updated resource usage, installation update screenshots and evaluated functionality.
1.2	April 2020	Removed references to Platform evaluation. Updated table for TOE platforms.
1.3	April 2020	Updated and formatted resource usage and evaluated functionality.
1.4	May 2020	Updated based on ECR comments.
1.5	June 2020	Updated for publication.

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1 Introduction

1.1 Target of Evaluation

The evaluated application is the Contacts application that is bundled with Apple iOS 13 and iPadOS 13. Contacts provides access and management of user contact information within the devices. The evaluation covers the following platforms:

Device Name	Model	OS	Processor	WiFi	Bluetooth
iPhone 11 Pro Max	A2161 A2218 A2219 A2220	iOS	A13 Bionic	802.11a/b/g/n/ac/ax	5.0
iPhone 11 Pro	A2160 A2215 A2216 A2217	iOS	A13 Bionic	802.11a/b/g/n/ac/ax	5.0
iPhone 11	A2111 A2221 A2222 A2223	iOS	A13 Bionic	802.11a/b/g/n/ac/ax	5.0
iPhone SE (2nd Gen)	A2275 A2296 A2298	iOS	A13 Bionic	802.11a/b/g/n/ac/ax	5.0
iPhone Xs Max	A1921 A2101 A2102 A2103 A2104	iOS	A12 Bionic	802.11a/b/g/n/ac	5.0
iPhone Xs	A1920 A2097 A2098 A2099 A2100	iOS	A12 Bionic	802.11a/b/g/n/ac	5.0
iPhone Xr	A1984 A2105 A2106 A2107 A2108	iOS	A12 Bionic	802.11a/b/g/n/ac	5.0
iPhone X	A1865 A1901 A1902 A1903	iOS	A11 Bionic	802.11a/b/g/n/ac	5.0
iPhone 8 Plus	A1864 A1897 A1898 A1899	iOS	A11 Bionic	802.11a/b/g/n/ac	5.0
iPhone 8	A1863 A1905 A1906	iOS	A11 Bionic	802.11a/b/g/n/ac	5.0

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Device Name	Model	OS	Processor	WiFi	Bluetooth
	A1907				
iPhone 7 Plus	A1661 A1784 A1785 A1786	iOS	A10 Fusion	802.11a/b/g/n/ac	4.2
iPhone 7	A1660 A1778 A1779 A1780	iOS	A10 Fusion	802.11a/b/g/n/ac	4.2
iPhone 6s Plus	A1634 A1687 A1690 A1699	iOS	A9	802.11a/b/g/n/ac	4.2
iPhone 6s	A1633 A1688 A1691 A1700	iOS	A9	802.11a/b/g/n/ac	4.2
iPhone SE	A1662 A1723 A1724	iOS	A9	802.11a/b/g/n/ac	4.2
iPad Pro 12.9-inch (4th gen)	A2229 A2232 A2069 A2233	iPadOS	A12Z Bionic	802.11a/b/g/n/ac/ax	5.0
iPad Pro 11-inch (2nd gen)	A2228 A2068 A2230 A2331	iPadOS	A12Z Bionic	802.11a/b/g/n/ac/ax	5.0
iPad Pro 12.9-inch (3rd gen)	A1876 A1895 A1983 A2014	iPadOS	A12X Bionic	802.11a/b/g/n/ac	5.0
iPad Pro 11-inch	A1980 A1934 A1979 A2013	iPadOS	A12X Bionic	802.11a/b/g/n/ac	5.0
iPad Air (3rd gen)	A2123 A2152 A2153 A2154	iPadOS	A12 Bionic	802.11a/b/g/n/ac	5.0
iPad mini (5th gen)	A2124 A2125 A2126 A2133	iPadOS	A12 Bionic	802.11a/b/g/n/ac	5.0
iPad Pro 12.9” (2nd Gen)	A1670 A1671	iPadOS	A10X Fusion	802.11a/b/g/n/ac	4.2

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Device Name	Model	OS	Processor	WiFi	Bluetooth
	A1821				
iPad Pro 10.5”	A1701 A1709 A1852	iPadOS	A10X Fusion	802.11a/b/g/n/ac	4.2
iPad 10.2”	A2198 A2199 A2200	iPadOS	A10 Fusion	802.11a/b/g/n/ac	4.2
iPad 9.7”	A1893 A1954	iPadOS	A10 Fusion	802.11a/b/g/n/ac	4.2
iPad Pro 12.9” (1st Gen)	A1584 A1652	iPadOS	A9X	802.11a/b/g/n/ac	4.2
iPad Pro 9.7”	A1673 A1674 A1675	iPadOS	A9X	802.11a/b/g/n/ac	4.2
iPad (5th gen)	A1822 A1823	iPadOS	A9	802.11a/b/g/n/ac	4.2
iPad Air 2	A1566 A1567	iPadOS	A8X	802.11a/b/g/n/ac	4.2
iPad mini 4	A1538 A1550	iPadOS	A8	802.11a/b/g/n	4.2

Table 1 Evaluated Platforms

1.2 Document Purpose and Scope

This document describes the installation and Common Criteria evaluation related usage of the Apple iOS 13 and iPadOS 13 Contacts on iPhone and iPad.

This guide will show you how to install and operate the software in a Common Criteria compliant manner. You will learn:

- How to verify the application version
- The secure communication mechanisms employed by Contacts
- Platform resources used by Contacts
- Evaluated functionality

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2 Installation/Update

Contacts is loaded by default on Apple iOS 13 and iPadOS 13. However, if the Contacts is deleted from the platform, it may be re-installed via the Apple App Store. All applications found on the Apple App Store are digitally signed.

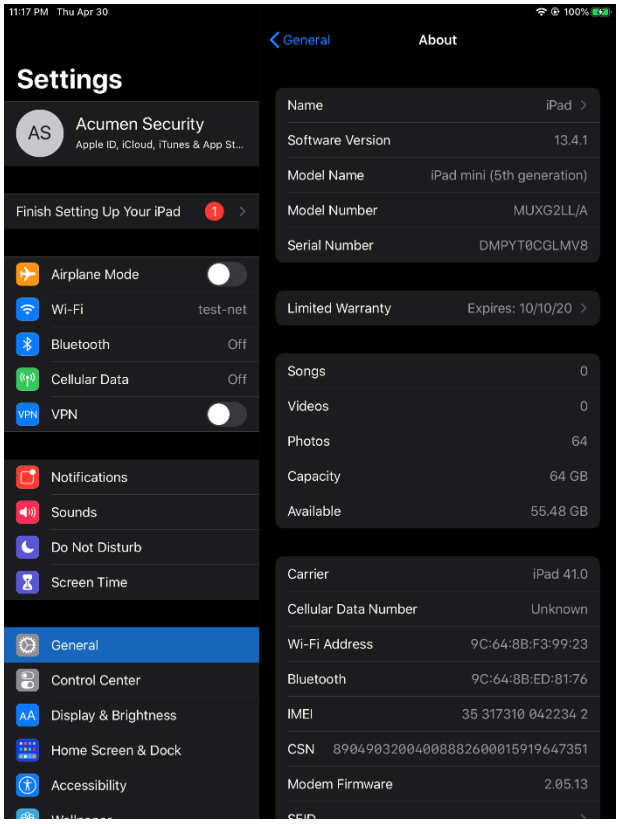
2.1 Verifying Product Version

Contacts is a core Apple application. Contacts is not updated separately from iOS and iPadOS, and it is versioned identically to the OS. The following steps are followed in order to verify the application (and OS version).

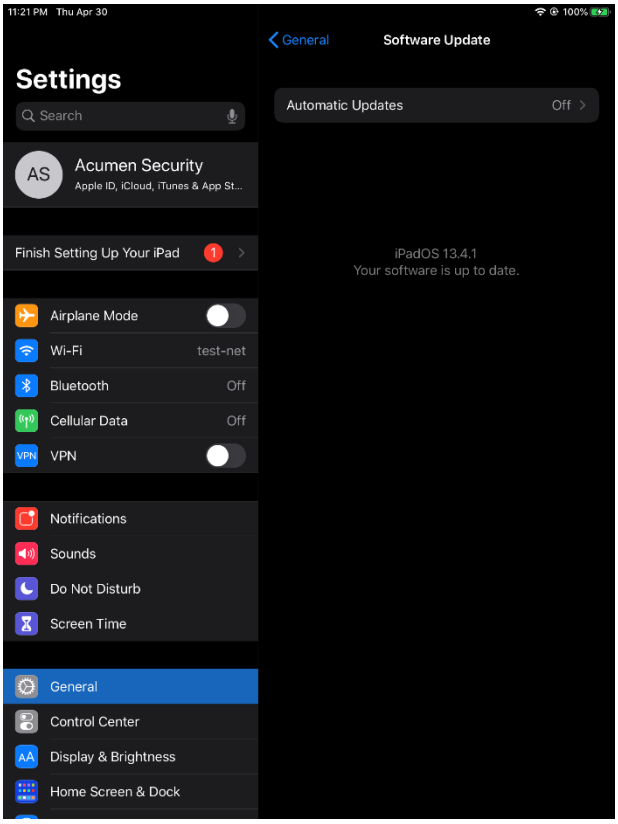
- Tap the “Settings” application.
- Tap the “General” option.
- Tap the “About” option to view the current version.
- Tap the “Software Update” option to learn about OS updates, if any.

The following is an example of this verification on iPad:

Software Version: 13.4.1



iPadOS 13.4.1 – Your Software is up to date



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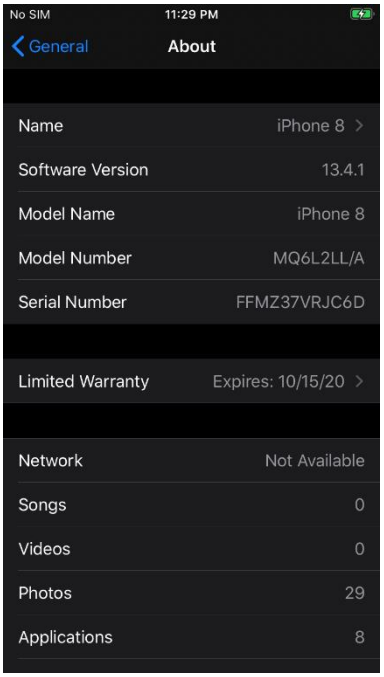
The following is an example of this verification on iPhone:

Software Version: 13.4.1



iOS 13.4.1 – Your Software is up to date

If a new version of the OS/Contacts is available, it will be indicated on this screen.

2.2 Other Assumptions

In order to use Contacts in the evaluated configuration, the Platform (i.e., the iPhone or iPad) must also be configured to meet the requirements of the Protection Profile for Mobile Device Fundamentals Version 3.1 as set forth in the Security Target and guidance documentation for the Apple iOS 13 and iPadOS 13 software operating on one of the hardware platforms listed in Table 1.

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3 Secure Communications

Contacts utilizes platform provided HTTPS/TLS and Digital Certificates to provide secure communications to synchronize contacts with servers.

3.1 TLS Configuration

Contacts supports secure communications with Apple servers or other user configured servers via HTTPS/TLS.

All configuration of these connections is handled exclusively by the underlying platform (Apple iOS and iPadOS). No additional configuration is required to ensure proper usage.

3.2 Digital Certificates

Contacts leverages "Trusted" digital certificates that pre-installed in the iOS and iPadOS Trust Store. No configuration is required to facilitate the usage of these digital certificates. Additional information regarding the Apple iOS 13 and iPadOS 13 Trust Store may be found at: https://support.apple.com/en-us/HT210770.

Contacts additionally leverages pre-configured Reference Identifiers for connecting with the Apple Servers. Again, no configuration is required.

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4 Resource Usage

Contacts uses the following resources:

- Network Connectivity: This is required for Contacts to facilitate communications with remote Apple Servers or other user configured servers.
- Camera: This is required for Contacts to associate a picture with contacts.
- Photo Library: This is required to access photos and associate them with contacts.
- Contacts is the Address Book resource for Apple iOS 13 and iPadOS 13. Access to the Address Book is required because providing users access to the Address Book is the core purpose of Contacts.

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5 Evaluated Functionality

The evaluated functionality is limited to the functions specified in in the Protection Profile for Application Software.

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End of Document

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