



3DS Self Test Platform

3DS Reference App User Guide

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Author	UL
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1 Introduction

1.1 Purpose of this document

This document is the '3DS Reference App User Guide'. It serves as a guide for SDK Developers and Testers that run test cases from the UL 3DS Self Test Platform on their 3DS SDK integrated in UL's Reference App installed on a real mobile device.

The guide explains how to use the Reference App to perform the required test cases in combination with UL 3DS Self Test Platform. This guide applies to Android and iOS (version 6.0 and up).

1.2 Intended audience

This document is intended for 3DS SDK App Developers and Testers. The user of this guide is assumed to have good knowledge of the EMV® 3-D Secure specifications and technology.

2 Prerequisites

Prerequisites for using this guide are:

- Your SDK has been integrated with UL's Reference App and is installed on a real mobile device for testing.
- You have access to the UL 3DS Self Test Platform (UL 3DS STP).
- You have access to the execution of test cases for a 3DS SDK, i.e. you have a valid subscription to the UL 3DS STP for test projects with 3DS Client [SDK] as System Under Test.
- You have set up a project in UL 3DS Self Test Platform to test your 3DS SDK and this project is in the Pre-Compliance (or Compliance) state, see example screenshots below.
- You have set up your SDK under test and the Reference App with the **SDK API Key** provided by UL 3DS Self Test Platform (you can find this key by selecting the menu item Configuration in the Project Dashboard of your project).

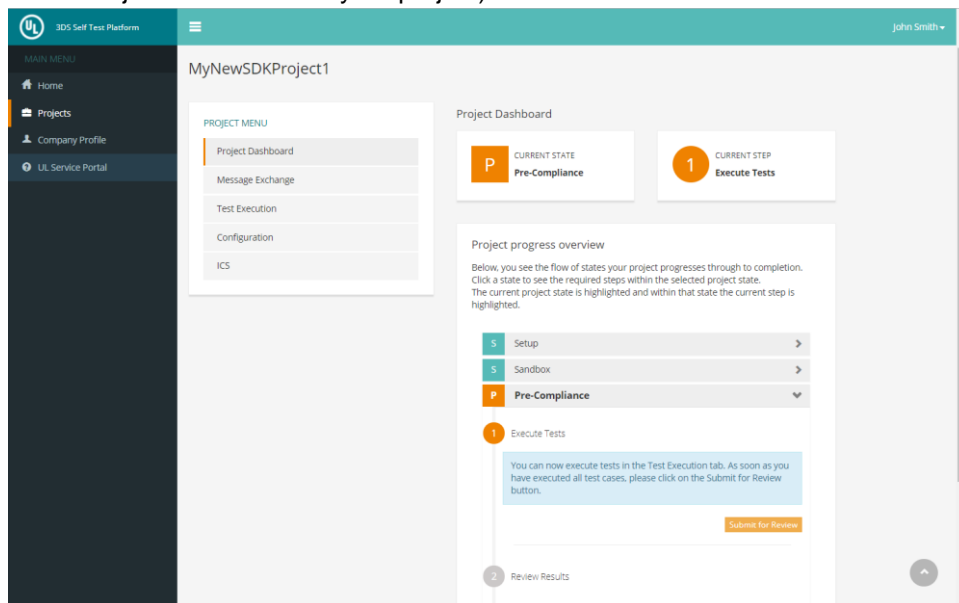


Figure 1: Example of Project Dashboard page for a 3DS SDK project in UL 3DS Self Test Platform.

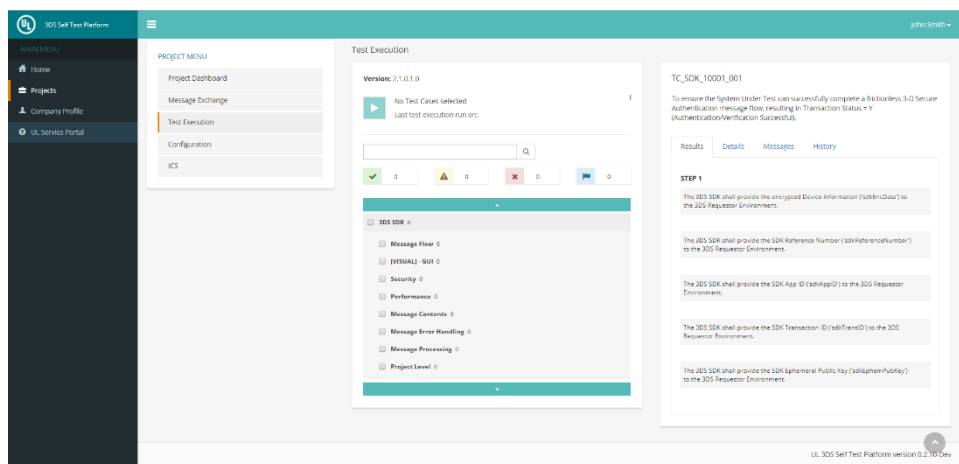




Figure 2: Example of Test Execution page for a 3DS SDK in UL 3DS Self Test Platform.

3 Initiate test case execution on UL 3DS STP

Before you can run test cases using the Reference App, you need to start test case execution in UL 3DS Self Test Platform. To do this:

1. Login to UL 3DS Self Test Platform.
2. Select the project for your 3DS SDK under test.
3. From the Project Menu, select Test Execution.
4. Select the test cases you want to run by ticking the appropriate checkboxes: .
5. To start execution of the selected test cases, click the Run button: .
6. The test cases are now ready to be fetched by your Reference App for execution (see for Android: section **Error! Reference source not found.**; for iOS: section 5.1).

How to execute test cases is explained in more detail in the guide [*UL 3DS Test Platform – Getting started*]. You can download this guide from the Home page of UL 3DS Self Test Platform.

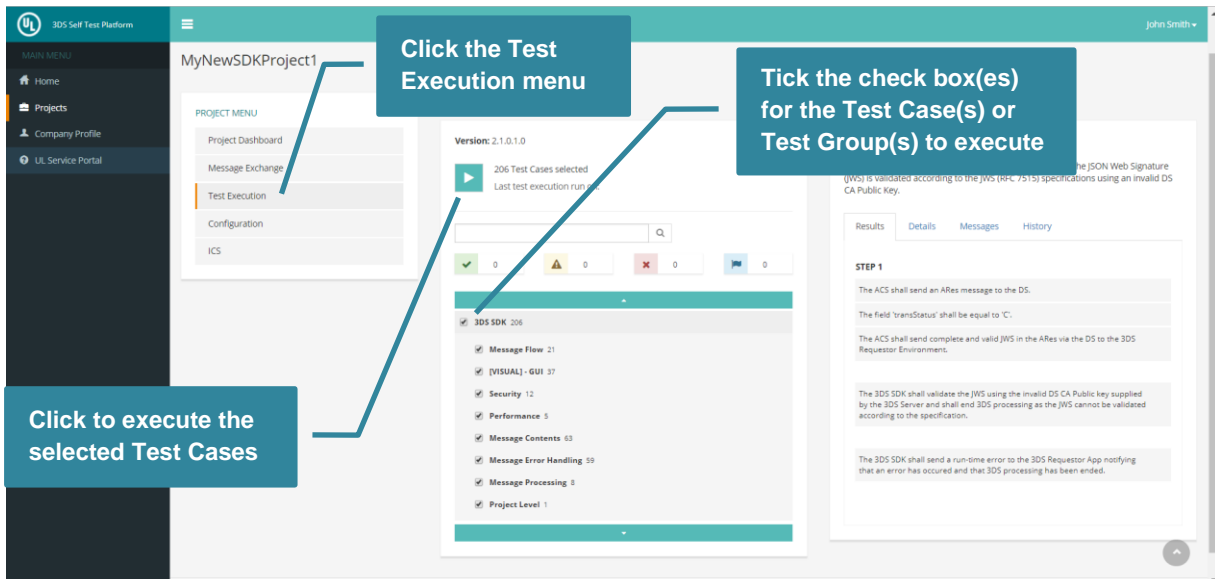


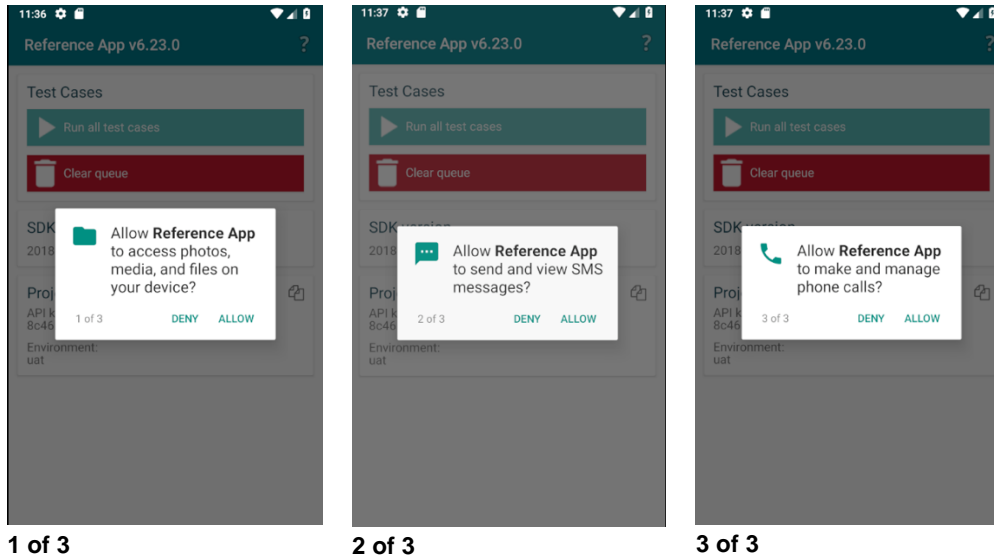
Figure 3: Initiate test case execution on UL 3DS Self Test Platform.



4 Using the Reference App on Android

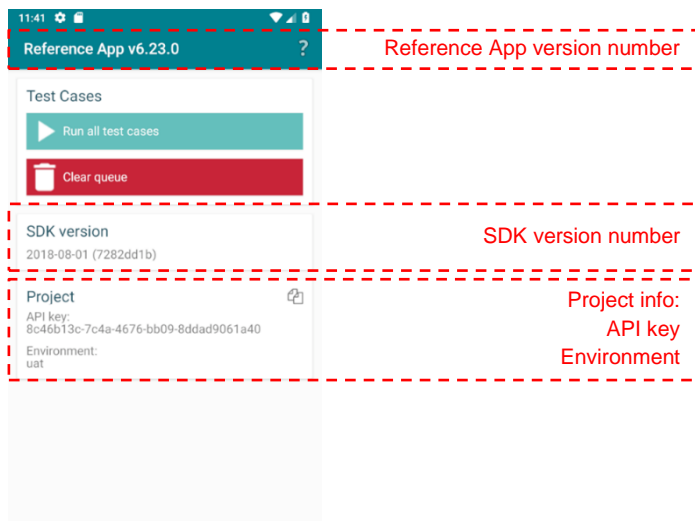
4.1 Permissions

When you run the Reference App for the first time, you will be requested to accept three (3) runtime permissions. Please make sure to accept all, as otherwise you will not be able to run any test cases.



4.2 Check Reference App configuration

The main view of the Reference App shows: version number of the Reference App, version number of the SDK used, and the Project's API key and environment.

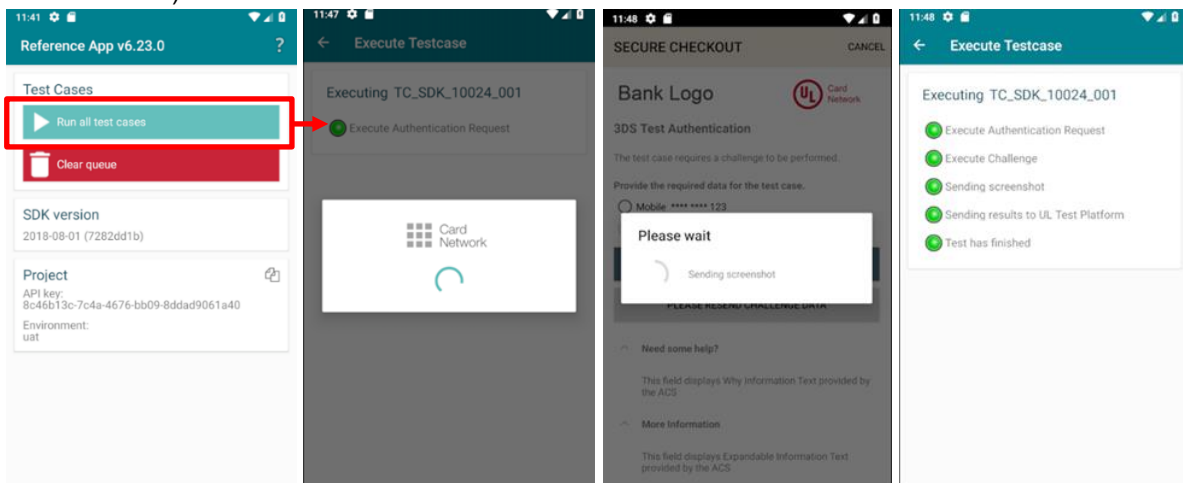


4.3 Run test case execution

Note This section assumes you have initiated test case execution on UL 3DS Self Test Platform as described in section 3 Initiate test case execution on UL 3DS STP.

To run the execution of test cases:

1. To **automatically** run **all** test cases previously initiated in UL 3DS Self Test Platform, click the button RUN ALL TEST CASES. Once every test case in the queue has been executed, the test case execution automatically stops (you will see a message displayed at the bottom of the screen for a short time).



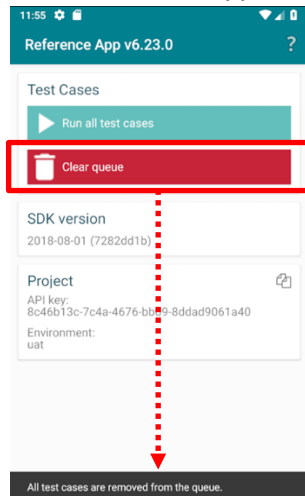
2. Once the test cases have been executed in the Reference App, you can check and analyze the test results in UL 3DS Self Test Platform. To learn more about checking your test results in the platform, please refer to the Getting started guide [*UL 3DS Test Platform – Getting started*].

Note If an issue occurs during test case execution, the Reference App will show an error message.

4.4 Delete test cases from the Reference App

If you want to delete the test cases initiated in UL 3DS Test Platform, you can erase the queue of test cases as follows:

1. In the Reference App, click the button CLEAR QUEUE.



2. Once the queue has been cleared a confirmation message will be shown at the bottom of the screen. The test case queue is now empty.

5 Using the Reference App on iOS

5.1 Check Reference App configuration

The main view of the Reference App shows: version number of the Reference App, version number of the SDK used, and the Project's API key and environment.

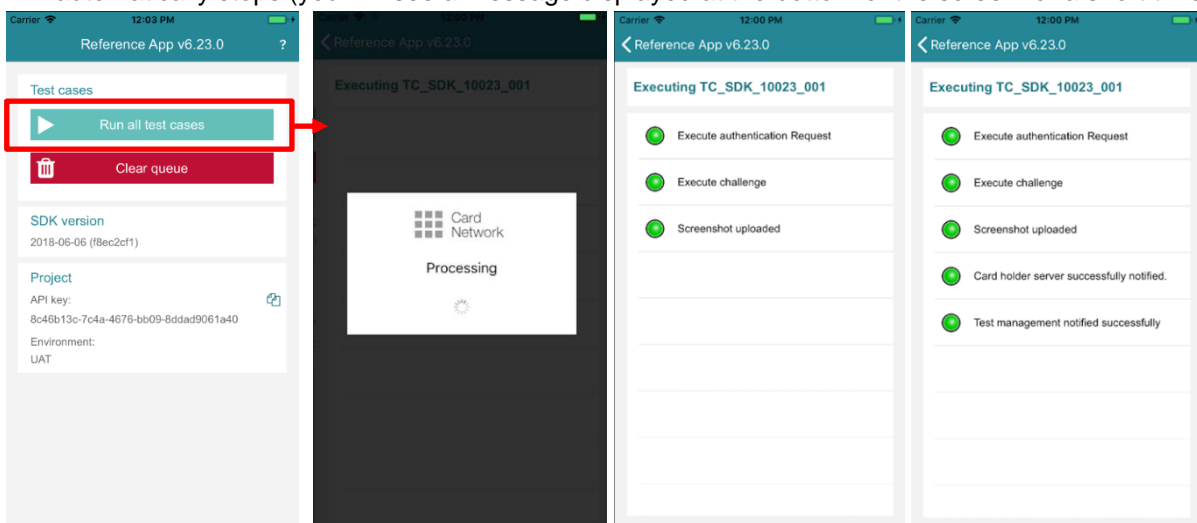


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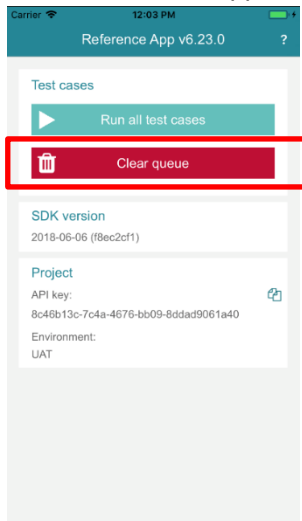
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