QUALCOMM®
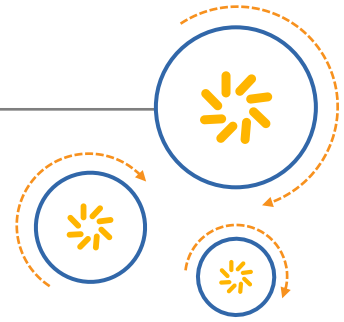
Qualcomm Technologies, Inc.

Device Verification Subsystem

Developer Guide

DVS-Developer-Guide-Android-App-Authority

July 12, 2018

Revision history

Revision	Date	Description
A		Initial release

Contents

1 Introduction

1.1 Purpose & Scope

This document provides:

- Installation instructions for the Device Verification Subsystem Mobile app for authority
- Instructions for running test commands/steps to verify DVS app installation

1.2 Audience & Technical Stakeholder

This Installation and Deployment Guide is intended to be used by technical stakeholders of the Device Verification Subsystem Mobile app, who will be responsible for planning, performing, or maintaining the installation or deployment, such as the System Administrators and Developers.

1.3 Definitions, Acronyms & Abbreviations

Table 1- Definitions, Acronyms & Abbreviations

Term	Explanation
DIRBS	Device Identification, Registration & Blocking System
DVS	Device Verification Subsystem
OS	Operating System

1.4 References

N.A.

1.5 Getting started

The instructions provided in this document assume that the recommended equipment has been installed and configured with Ubuntu/Windows/Mac OS.

2 Installation

NOTE: The reader acknowledges and agrees that it is entirely and solely responsible for the selection and use of all third-party software modules downloaded and installed by this installation method, including securing all appropriate and proper rights of use to any of such third-party software modules and to comply fully with any terms of use that may apply to or accompany any such third-party software modules.

Qualcomm Technologies, Inc. does not undertake any obligations, duties, or other responsibilities in connection with the selection or use by the reader of any of such third-party software modules.

2.1 System Requirements

2.1.1 Software Requirements

Below mentioned are the software requirements.

- JDK 1.8 or more
- Android Studio 3.1.2
- Android SDK v27 (minimum)
- Minimum Android version 16
- Gradle 4.4
- Android Plugin version 3.1.2

2.1.2 Hardware Requirements

Below are the hardware requirements to run DVS.

- At least 512 MB of RAM
- At least 1G of disk space
- Camera
- Android Device
- Active Internet Connection

2.2 Operating System

This system can be installed and configured with Ubuntu/Windows/ Mac OS.

2.3 Extracting Software Release

The DVS software release is distributed as a tar.gz file. To extract the contents of the distribution, run:

```
tar xvzf dirbs-dvs-android-authority-1.0.0.tar.gz
```

2.4 Manual Installation

Import dirbs-dvs-android-authority-1.0.0 in Android Studio.

3 Configuration

3.1 Keycloak Configuration

- Loggedin in IAM
- Go to "Clients" section
- Click on "DVS-app" client
- In settings tab enter callback "com.qualcomm.dvsauthorized:/callback" in "Valid Redirect URL" field

3.2 App Configuration

- To change the logo of app go to app/res/drawable folder and paste logo file but make sure the file name should be company_logo.png

- To change the colors of the app go to app/res/values/colors.xml file and mention hex color code of your required color

- Go to app/res/values/strings.xml file and add IAM URL in value section of "iam_url"

  ```
  <string name="iam_url">Enter IAM URL HERE</string>
  ```

- Add Realm name in value section of "realm" field

  ```
  <string name="realm">ENTER REALM NAME HERE</string>
  ```

- Add API Gateway URL in value section of "api_gateway" field

  ```
  <string name="api_gateway_url">ENTER API GATEWAY URL HERE</string>
  ```

- Add client id in value section of "client_id"

  ```
  <string name="client_id">ENTER CLIENT ID HERE</string>
  ```

4 Testing

To test the successful installation of app, run the app either on any physical device or on Android Emulator. For testing the app on physical device make sure that USB Debugging is enable. If you don't know how to enable USB Debugging on your device visit this link.

5 Publish App

To publish app on Google play store follow instructions given on this link.