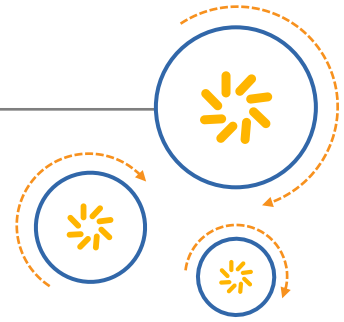




Qualcomm Technologies, Inc.



Device Verification Subsystem 1.0.0

SPA Installation Guide (Public App)

DVS-SPA-Installation-Guide-Public-App-1.0.0

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Revision history

| Revision | Date | Description |
|----------|------|-----------------|
| A | | Initial release |

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1 Introduction

1.1 Purpose & Scope

This document provides:

- Installation instructions for the Single Page Application (Public App) of Device Verification Subsystem

1.2 Definitions, Acronyms & Abbreviations

Table 1- Definitions, Acronyms & Abbreviations

| Term | Explanation |
|---------|---|
| DIRBS | Device Identification, Registration & Blocking System |
| DVS | Device Verification Subsystem |
| OS | Operating System |
| Nginx | An open source, lightweight, high-performance web server or proxy server. |
| API | Application Program Interface |
| Gateway | A Gateway route requests from clients to services |
| SPA | Single Page Application |
| IAM | Identity Access Management |

1.3 References

Table 2- References

| Ref no. | Document |
|---------|----------------------------|
| REF-1 | IAM User Guide (Section 3) |

1.4 Getting Started

The instructions provided in this document assumes that the required equipment (hardware, software) has been installed and configured.

2 Installation

NOTE: The reader acknowledges and agrees that he 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.

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2.1 System Requirements

2.1.1 Software Requirements

- Node v8.9.4 or greater
- NPM v5.6.0 or greater
- Nginx 1.14.X

2.1.2 Hardware Requirement

Minimum hardware requirements:

- At least 512 MB of RAM
- At least 1G of disk space

2.1.3 Operating System

This system will be installed and configured with Ubuntu 16.04. Refer to the [Ubuntu Installation Guide](#) for additional installation help.

2.1.4 Supported Browser

- Chrome 63.0 (recommended)
- Internet Explorer 11.0
- Firefox 52.5 ESR, 57.0
- Safari 11.0
- Edge 41.16299

2.1.5 Supported Mobile Browser

- Chrome 63.0 (recommended)
- Safari 11.1
- UC Browser 11.5
- Opera (Android) 44.1
- Opera Mini (iOS) 16.0.7
- Samsung Internet 6.2
- Android (included with Android OS4.1.X-4.3)

2.2 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-spa-public-1.0.0.tar.gz
```

2.3 Manual Installation

- Go to dirbs-dvs-spa-public-1.0.0

```
pushd dirbs-dvs-spa-public-1.0.0
```
- Install dependencies by running below mentioned command

```
npm install
```

3 Configuration

3.1 Apiman, Keycloak and API Configuration

To align Apiman and API Configurations go to `src/settings.json` file and make following configurations accordingly

```
nano src/settings.json
```

```
{
  "appDetails": {
    // configure Application name, make sure that this appName must be the
    //first part of keycloak user's role e.g. "dvs_authority" in here "dvs"
    //part refers to appName and "authority" part refers to user's role
    //configured in keycloak

    "appName": "APP_NAME",
    //configure your support email

    "supportEmail": "example@company.com",
    // configure your support number

    "supportNumber": "+923001234567"
  },
  //Note:Configure to directly hit APIs or through API Gateway (Apiman). In
  //order to use any of the configuration, change its "use" value to "True". If
  //both configurations are enabled, preference will be given to first
  //configuration.

  "api": {
    // Configure API Host e.g. http://www.api-example.com

    "host": "http://SERVER_IP",
    // Configure API Port e.g. 3000

    "port": "PORT_NUMBER",
    // Configure API Version e.g. /api/v1/
  }
}
```

```
"version": "VERSION_OR_SUBPATH",

// for directly hitting API, make it 'True'

  "use": true  },

"apiman": {

// configure Apiman Host e.g. http://www.apiman-example.com

// Configure Apiman Port e.g. 8000

  "host": "http://SERVER_IP",    "port": "PORT_NUMBER",

// configure clientID e.g. /apiman-gateway/example/appname/1.0

  "clientId": "CLIENT_ID_OR_SUBPATH",

// for hitting Apiman Gateway directly, make it *'True'

  "use": false

}

}
```

Note: To configure SPA in IAM see IAM User Guide document section 3 and then perform following steps:

- Copy the downloaded Keycloak.json file into public directory
- Build the code for production
npm run build
- It will create a build directory, copy the content of the directory to web root directory e.g. /var/www/html (default Nginx web root directory)
cp -r build/* /var/www/html

4 Testing

To verify the installation, visit server web IP on browser i.e. http://your_server_IP_address