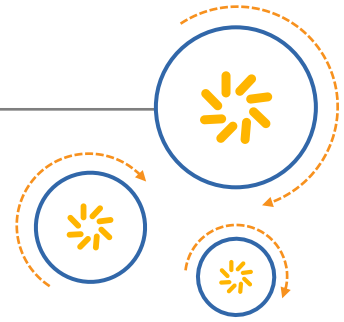




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Qualcomm Technologies, Inc.



# **Device Registration Subsystem 2.0.0**

## **SPA Installation Guide (Public)**

DRS-SPA-Installation-Guide-2.0.0

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## Revision history

Revision	Date	Description
A		Release 2.0.0

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# 1 Introduction

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## 1.1 Purpose & Scope

This document provides:

- Installation instructions for the Single Page Application for Device Registration Subsystem 2.0.0

## 1.2 Definitions, Acronyms & Abbreviations

**Table 1-** Definitions, Acronyms & Abbreviations

Term	Explanation
DIRBS	Device Identification, Registration & Blocking System
DRS	Device Registration Subsystem
OS	Operating System
Nginx	An open source, lightweight, high-performance web server or proxy server.
Apache	An open source web 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-No	IAM User Guide (section 3)

## 1.4 Getting Started

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

# 2 Installation

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**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.

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

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

### 2.1.2 Hardware Requirement

Minimum hardware requirements are:

- 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 Desktop Browsers

- 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 Browsers

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

```
tar xvzf dirbs-drs-spa-2.0.0.tar.gz
```

## 2.3 Manual Installation

- Go to dirbs-drs-spa-2.0.0  

```
pushd dirbs-drs-spa-2.0.0
```
- 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 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. "drs_authority" in here "drs" 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 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

    "host": "http://SERVER_IP",

//Configure Apiman Port e.g. 8000

    "port": "PORT_NUMBER",

//configure clientID e.g. /apiman-gateway/example/appname/2.0

    "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

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To verify the installation, visit server web IP on browser i.e. [http://your\\_server\\_IP\\_address](http://your_server_IP_address)