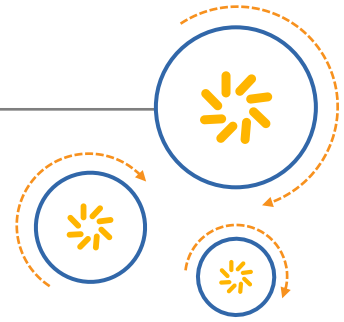




Qualcomm Technologies, Inc.



Device Registration Subsystem 3.0.0

SPA Installation Guide (Public)

DRS-Installation-Guide-SPA-3.0.0

November 02, 2020

Copyright © 2020 Qualcomm Technologies, Inc.

This work is licensed under a Creative Commons Attribution-NoDerivatives 4.0 International License.

Revision history

Revision	Date	Description
A		Release 2.0.0
B	November	Release 3.0.0

Contents

1. Introduction.....	4
1.1 Purpose & Scope	4
1.2 Definitions, Acronyms & Abbreviations.....	4
1.3 References	4
1.4 Getting Started	4
2. Installation.....	5
2.1 System Requirements	5
2.1.1 Software Requirements	5
2.1.2 Hardware Requirement	5
2.1.3 Operating System.....	5
2.1.4 Supported Desktop Browsers.....	5
2.1.5 Supported Mobile Browsers	6
2.2 Extracting Software Release	6
2.3 Manual Installation	6
3. Configuration	7
3.1 Apiman, Keycloak and API Configurations	7
4. Testing	9

Tables

Table 1 - Definitions, Acronyms & Abbreviations	4
Table 2 - References.....	4
Table 3 - Supported Desktop Browsers	5
Table 4 - Supported Mobile Browsers	6

1. Introduction

1.1 Purpose & Scope

This document provides:

- Installation instructions for the Single Page Application for Device Registration Subsystem 3.0.0

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

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

Table 3 - Supported Desktop Browsers

Name	Version
Internet Explorer	11.719
Firefox	82.0.2
Chrome	86.0
Safari	13.1.2
Edge	87.0

2.1.5 Supported Mobile Browsers

Table 4 - Supported Mobile Browsers

Name	Version
Chrome	86.0.4
UC Browser	13.3.2
Opera (Android)	60.3
Opera Touch (iOS)	2.5.1
Safari	13.1.2
Samsung Internet	13.0.1
Android	10

2.2 Extracting Software Release

The DRS SPA release can be downloaded via one of the following two methods. To extract the contents of the distribution, run either:

Method 1: Download and unzip from GitHub

```
unzip Device-Registration-Subsystem-Frontend.zip
```

Method 2: Clone the repository from GitHub

```
git clone https://github.com/CACF/Device-Registration-Subsystem-Frontend.git
```

2.3 Manual Installation

- Go to Device-Registration-Subsystem-Frontend
`cd Device-Registration-Subsystem-Frontend`
- Install dependencies by running below mentioned command
`npm install`

3. Configuration

3.1 Apiman, Keycloak and API Configurations

For Keycloak, Apiman and API Configurations, make a copy of settings-template.json in src directory and name it settings.json.

```
cp src/settings-template.json src/settings.json
```

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

```
{
  "appDetails": {
    "appName": "drs", // configure Application name, make sure that this appName must be same
as mentioned in Keycloak roles, e.g. drs_authority
    "supportEmail": "support@example.com", // configure this email as it will be visible for
unauthorized user
    "supportNumber": "PHONE_NUMBER", // configure this contact number as it will be visible
for unauthorized user
    "defaultLanguage": "en"
  },
  "api": {
    "host": "HOST API", // Configure API Host e.g. http://www.api-example.com
    "port": "API PORT", // Configure API Port e.g. 3000
    "version": "API VERSION", // Configure API Version e.g. /api/v1/
    "use": false // for directly hitting API, make it *True*
  },
  "apiman": {
    "host": "HOST APIMAN", // configure Apiman Host e.g. http://www.apiman-example.com
    "port": "APIMAN PORT", // Configure Apiman Port e.g. 8000
    "clientId": "APIMAN CLIENT ID", // configure clientId e.g. /apiman-
gateway/example/appname/1.0
    "use": true // for hitting Apiman Gateway directly, make it *True*
  },
  "keycloak": {
    "host": "http://SERVER_IP", // keycloak url
    "port": "PORT_NUMBER", // keycloak port
    "version": "VERSION_OR_SUBPATH",
    "clientId": "CLIENT_ID",
    "realm": "REALM",
    "use": true
  }
}
```

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

- 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