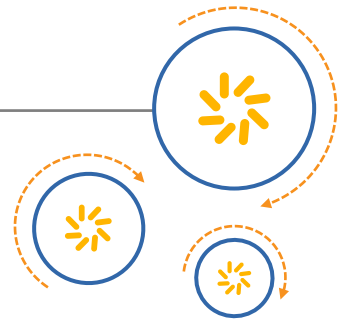




Qualcomm Technologies, Inc.



Device Pairing Subsystem 1.0.0

SPA Installation Guide

DPS-SPA-Installation-Guide-1.0.0

Oct 15, 2018

Revision history

Revision	Date	Description
A		Initial release

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1 Introduction

1.1 Purpose & Scope

This document provides:

- Installation instructions for Single Page Application of Device Pairing Subsystem

1.2 Definitions, Acronyms & Abbreviations

Table 1- Definitions, Acronyms & Abbreviations

Term	Explanation
DIRBS	Device Identification, Registration & Blocking System
DPS	Device Pairing 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-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.X 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 DPS software release is distributed as a tar.gz file. To extract the contents of the distribution, run:

```
tar xvzf dirbs-dps-spa-1.0.0.tar.gz
```

2.3 Manual Installation

- Go to `dirbs-dps-spa-1.0.0`
`pushd dirbs-dps-spa-1.0.0`
- Install dependencies by running below mentioned command
`npm install`

3 Configuration

3.1 Apiman, Keycloak and API Configurations

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. "dps_mno_operator1" in here "dps" part
    //refers to appName and "mno" part refers to user's type and last part
    "operator1" refers to user level 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/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)

- Copy the downloaded Keycloak.json file into public directory.

3.2 User Role & Frontend Configurations

To configure User Roles go to *src/utilities/constants.js* file and make configurations accordingly.

```
nano src/utilities/constants.js
```



```
// configure pagination limit for Search module
export const PAGE_LIMIT = 10;

//configure User role, make sure that this user role must
//be the last part of keycloak user's role e.g.
//"dps_authority_authority" in here "dps" part
//refers to appName and second part "authority" refers to
// user's type and last part "authority" refers to user role level
//configured in Keycloak.

export const AUTHORITY = 'authority';

export const MNO = 'mno';

//Configure country code

export const COUNTRY_CODE = '92';
```

- 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