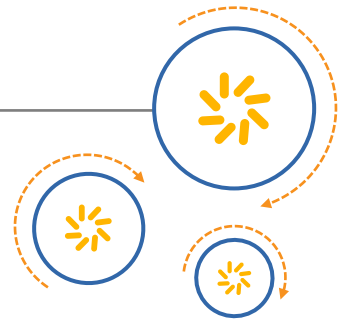**QUALCOMM®**

Qualcomm Technologies, Inc.

Lost & Stolen Device Subsystem 1.0.0

SPA Installation Guide

LSDS-SPA-Installation-Guide-1.0.0

July 9, 2018

Revision history

Revision	Date	Description
A		Initial release

Contents

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1 Introduction

1.1 Purpose & Scope

This document provides:

■ Installation instructions for Single Page Application of Lost & Stolen Device Subsystem (LSDS)

1.2 Definitions, Acronyms & Abbreviations

Table 1- Definitions, Acronyms & Abbreviations

Term	Explanation
DIRBS	Device Identification, Registration & Blocking System
LSDS	Lost & Stolen Device 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 assumes that the required equipment (hardware, software) has been installed and configured.

2 Installation

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

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

2.3 Manual Installation

- Go to `dirbs-lsds-spa-1.0.0`
  ```
  pushd dirbs-lsds-spa-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 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. "lsds_authority" in here "lsds" 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

   "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) 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`