

API Generation using ReDoc

- [PDSP API](#)
- [Steps Involved](#)
 - [Step1: Download PDSP API source code](#)
 - [Step2: Build source code](#)
 - [Step3: Install redoc-cli](#)
 - [Install npm](#)
 - [Install redoc-cli](#)
 - [Step4: Generate API using redoc-cli](#)

PDSP API

This document guides you to generate PDSP API specification in local window box.

PDSP API details are -

- [gbx-data-service.html](#) ([API used for PDSP transactions POST and Query](#))
- [gbx-reports-service.html](#) ([API used for PDSP terminal reports](#))
- [gbx-settlement-batch-service.html](#) ([API used for Batch API](#))

Steps Involved

Step1: Download PDSP API source code

API will generate from source code so we must download source code in our development box. Source code location is <https://bitbucket.verifone.com:8443/projects/CEGP/repos/gbx-api-data-service/browse>.

One can download Branches or Tags from Bitbucket into local box. Please select appropriate branches for which API will be generated.

Step2: Build source code

Build source code using maven. Command for build is **mvn clean install**.

Build must be successful in order to proceed further step.

Step3: Install redoc-cli

redoc-cli is a **node package** which helps to bundle docs into zero-dependency HTML file.

redoc-cli can be downloaded using **npm**.

npm must be available in local box to install redoc-cli. If **npm** is not available in local box then first we need to install npm.

To check whether npm is available in you box open command prompt and type **npm -version**. Following is the command and sample output.

npm -version

```
C:\Users\ajitsl>npm -version
6.2.0
```

Install npm

npm is distributed with [Node.js](#)- which means that when you download Node.js, you automatically get npm installed on your computer.

[Download Node.js and npm](#)

Download Windows installer and follow the installation instructions.

Install redoc-cli

Command to install is **npm install -g redoc-cli**

Install redoc-cli

```
C:\Users\ajits1>npm install -g redoc-cli
C:\Users\ajits1\AppData\Roaming\npm\redoc-cli -> C:\Users\ajits1\AppData\Roaming\npm\node_modules\redoc-
cli\index.js

> core-js@3.8.0 postinstall C:\Users\ajits1\AppData\Roaming\npm\node_modules\redoc-cli\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

Thank you for using core-js ( https://github.com/zloirock/core-js ) for polyfilling JavaScript standard library!

The project needs your help! Please consider supporting of core-js on Open Collective or Patreon:
> https://opencollective.com/core-js
> https://www.patreon.com/zloirock

Also, the author of core-js ( https://github.com/zloirock ) is looking for a good job -)

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.3 (node_modules\redoc-cli\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","
arch":"any"} (current: {"os":"win32","arch":"x64"})

+ redoc-cli@0.10.2
added 265 packages from 251 contributors in 47.979s
```

Step4: Generate API using redoc-cli

Open command prompt and switch to PDSP API source code folder(gbx-api-data-service) downloaded in Step1.

Navigate to api-spec\target\classes folder.

Now Run command **redoc-cli bundle pdsp-openapi.json --output gbx-data-service.html --options.hideDownloadButton**

Command for gbx-data-service.html

redoc-cli bundle

```
C:\gbx-api-data-service\api-spec\target\classes>redoc-cli bundle pdsp-openapi.json --output gbx-data-service.
html --options.hideDownloadButton
Prerendering docs

bundled successfully in: gbx-data-service.html (3959 KiB) [ 2.122s]
```

After running **redoc-cli bundle** command API file **gbx-data-service.html** will be available in **gbx-api-data-service\api-spec\target\classes** folder.

Command for gbx-settlement-batch-service.html

redoc-cli bundle

```
C:\gbx-api-data-service\api-spec\target\classes>redoc-cli bundle pdsp-batch-openapi.json --output gbx-
settlement-batch-service.html --options.hideDownloadButton
Prerendering docs

bundled successfully in: gbx-settlement-batch-service.html (1225 KiB) [ 0.814s]
```

Command for gbx-reports-service.html

redoc-cli bundle

```
C:\gbx-api-data-service\api-spec\target\classes>redoc-cli bundle pdsp-reports-openapi.json --output gbx-reports-service.html --options.hideDownloadButton
Prerendering docs
```

```
bundled successfully in: gbx-reports-service.html (1141 KiB) [ 0.551s]
```

Finally we can open **gbx-data-service.html**, **gbx-settlement-batch-service.html**, **gbx-reports-service.html** in any Browser.