

SoramitsuKhmer | ソラミツ Co., Ltd

Fast Client Module Setup guideline

The purpose of this document is to describe the infrastructure and requirements for running the Client Module application

Change history

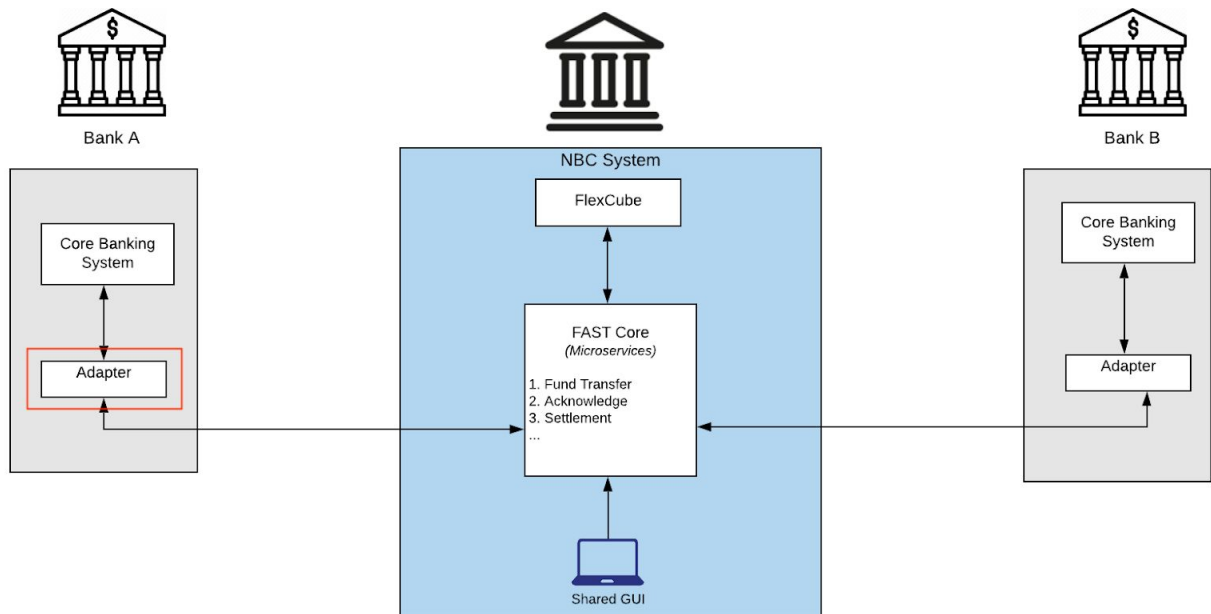
Date	Version	Purpose of modification	Updated by
2020-23-11	0.1.0	Initial version	Mihhail Novik
2021-20-02	0.2.0	Add start, stop system description	Mihhail Novik

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Introduction

Fast client module (Adapter) is a self-hosted java application that connects participant CBS (Core Banking System) with NBC Fast system.

The latest version of adapter is 1.2.7.



Hardware requirements

Minimum hardware requirements:

- 2 GB RAM (recommended 4 GB RAM)
- 2 vCPU (recommended 4 vCPU)
- Network access to NBC Fast
- Network access to CBS
- 60 GB for log storage

Prerequisites

- Operating system: Ubuntu 18.04+
- Java virtual machine installed and available (Java 11 is required)
<https://www.java.com/en/download/>
(openjdk-11-jre)

Installation process

- Get adapter zip archive (fast-fi-adapter.zip) from NBC IT team
- Unzip archive fast-fi-adapter-1.*.zip
- Edit common.env file

Adapter configuration (common.env)

- **CM_SERVER_PORT** : The port of the server will be running on. The default port is 9100.

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- **CM_CBS_ENDPOINT** : The endpoint for sending transactions via soap request from CM to CBS. Example: <https://cbs-mock.sorakh.app/ws> (Optional. If not set account transactions will not be send)
 - **CM_CBS_USER_NAME** : The user name for sending transactions via soap request from CM to CBS.
 - **CM_CBS_PASSWORD** : The password for sending transactions via soap request from CM to CBS.

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- **CM_ACI_ENDPOINT** : The endpoint for sending account inquiry REST requests from CM to CBS. Example: <https://cbs-mock.sorakh.app> (Optional. If not set account inquiry will not be send)
 - **CM_ACI_USER_NAME** : The user name for sending account inquiry REST requests from CM to CBS.
 - **CM_ACI_PASSWORD** : The password for sending account inquiry REST requests from CM to CBS.

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- **CM_CBS_KEYSTORE_PATH** : The location of the keystore that belongs to FI. This keystore is used to sign the iso message before sending the REST request to the FAST System.
 - **CM_CBS_KEYSTORE_ALIAS** : The alias in keystore that belongs to FI.
 - **CM_CBS_KEYSTORE_PASSWORD** : The keystore alias password.

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- **CM_FAST_ENDPOINT** : The domain name endpoint of FAST SYSTEM. Example: <https://api-fast-nbc.sorakh.app>

- **CM_FAST_CERTIFICATE_PATH** : The location of FAST System certificate. This certificate will verify whether the request is from the FAST System or not.

Example config.

```
CM_SERVER_PORT=9100
CM_CBS_USER_NAME=${cbsUser}
CM_CBS_PASSWORD=${cbsPassword}
CM_CBS_ENDPOINT=https://fast-mock-api.sorakh.app/jtrust-bank
CM_CBS_KEYSTORE_PATH=/certs/cbs/testFI1.jks
CM_CBS_KEYSTORE_ALIAS=testfi1
CM_CBS_KEYSTORE_PASSWORD=123456
CM_FAST_ENDPOINT=https://web-fast-dev.sorakh.app/
CM_FAST_CERTIFICATE_PATH=/certs/cbs/testFI1.crt
```

Operation user guide

After the configuration is setup please run the following scripts

Start application

```
$ ./adapter.sh start
```

```
openjdk version "11.0.10" 2021-01-19
```

```
Starting Fast adapter application...
```

```
Fast adapter Application started
```

After you see this message can check if the adapter is running. The Application on startup verifies all settings. It tries to connect to FAST, verify certificates have a valid format. It will fail to start if something is missing.

Check status

```
$ ./adapter.sh status
```

```
The Fast adapter is running on port 8112
```

Stop application

```
$ ./adapter.sh stop
```

```
Send a stop signal to the FAST adapter...
```

```
Process stopped
```

Application Logs

Application has 3 types of logs:

- Errors

Error logs stored in logs/error.log This file is for logging all exceptions/error cases. If applications do not start, the reason for failure is stored there.

- Requests logs/requestss.log

Logs all communication between adapter and other systems (both fast and cbs)

- Application log logs/app.log

Debug level info about the application, most required for developers to analyze systems.