

Threat model report for Online Banking Transaction

Owner:

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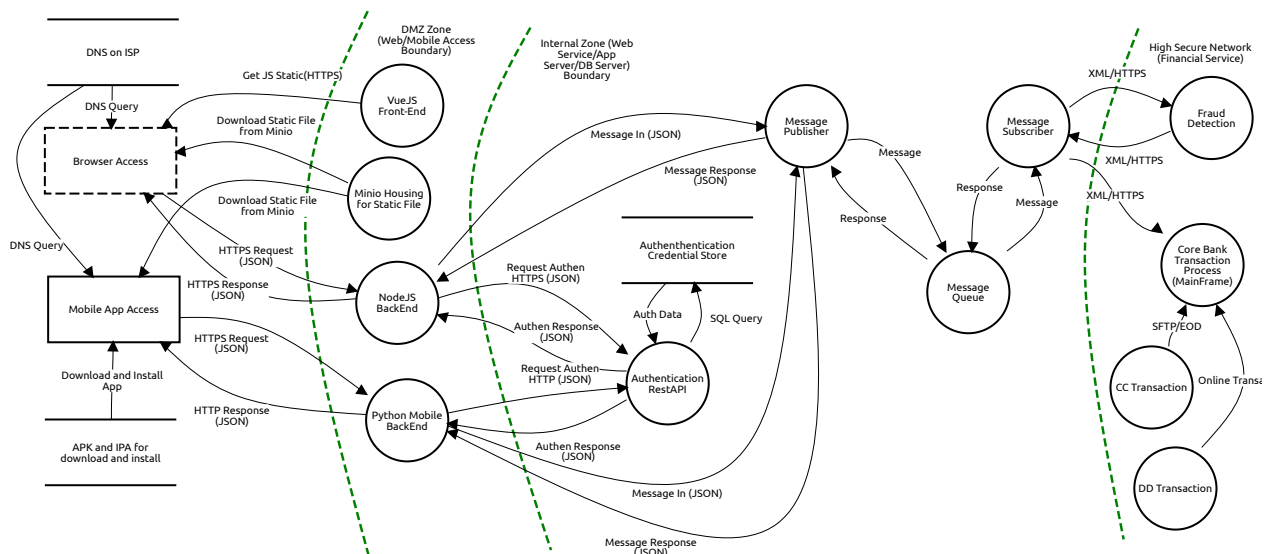
Reviewer:

Praparn Lueangphoonlap

Contributors:

High level system description

Online Banking System



VueJS Front-End (Process)

Description:

Download Front-End as JS Script (Static Web)

No threats listed.

Minio Housing for Static File (Process)

Description:

- Image
- Video

No threats listed.

Get JS Static(HTTPS) (Data Flow)

Description:

No threats listed.

Download Static File from Minio (Data Flow)

Description:

No threats listed.

NodeJS BackEnd (Process)

Description:

No threats listed.

Mobile App Access (External Actor)

Description:

- Android (Version 9.1.0 and Upper)
- IOS (Version 13.1.0 and Upper)

No threats listed.

APK and IPA for download and install (Data Store)

Description:

- APK housing on google play
- IPA housing on app store

No threats listed.

Download Static File from Minio (Data Flow)

Description:

No threats listed.

HTTPS Request (JSON) (Data Flow)

Description:

No threats listed.

HTTPS Request (JSON) (Data Flow)

Description:

No threats listed.

Python Mobile BackEnd (Process)

Description:

Response all main transaction of online banking

No threats listed.

Authenthentication Credential Store (Data Store)

Description:

Database for customer authentication

No threats listed.

Download and Install App (Data Flow)

Description:

Android from play store

Iphone from app store

No threats listed.

DNS on ISP (Data Store)

Description:

No threats listed.

DNS Query (Data Flow)

Description:

No threats listed.

DNS Query (Data Flow)

Description:

No threats listed.

HTTPS Response (JSON) (Data Flow)

Description:

No threats listed.

HTTP Response (JSON) (Data Flow)

Description:

No threats listed.

Authentication RestAPI (Process)

Description:

No threats listed.

Request Authen HTTPS (JSON) (Data Flow)

Description:

No threats listed.

Authen Response (JSON) (Data Flow)

Description:

No threats listed.

Request Authen HTTP (JSON) (Data Flow)

Description:

No threats listed.

Authen Response (JSON) (Data Flow)

Description:

No threats listed.

Auth Data (Data Flow)

Description:

No threats listed.

Message Publisher (Process)

Description:

No threats listed.

Core Bank Transaction Process (MainFrame) (Process)

Description:

No threats listed.

SQL Query (Data Flow)

Description:

No threats listed.

Message (Data Flow)

Description:

No threats listed.

Message In (JSON) (Data Flow)

Description:

No threats listed.

Message (Data Flow)

Description:

No threats listed.

Message Response (JSON) (Data Flow)

Description:

No threats listed.

Message Response (JSON) (Data Flow)

Description:

No threats listed.

Message Queue (Process)

Description:

No threats listed.

Message Subscriber (Process)

Description:

No threats listed.

Fraud Detection (Process)

Description:

No threats listed.

Message In (JSON) (Data Flow)

Description:

No threats listed.

XML/HTTPS (Data Flow)

Description:

No threats listed.

XML/HTTPS (Data Flow)

Description:

No threats listed.

Response (Data Flow)

Description:

No threats listed.

Response (Data Flow)

Description:

No threats listed.

DD Transaction (Process)

Description:

No threats listed.

XML/HTTPS (Data Flow)

Description:

No threats listed.

CC Transaction (Process)

Description:

No threats listed.

Online Transaction (Data Flow)**Description:**

No threats listed.

SFTP/EOD (Data Flow)**Description:**

No threats listed.

Browser Access (out of scope External Actor)**Description:**

Browser will limit support only

- Chrome (Version 81 and upper)
- MS Edge Chrome (Version 83.0.478.45 and upper)
- Firefox (Version 76.0 and upper)
- Safari (Version 13.0 and upper)

Out of scope reason:

- Microsoft Internet Explorer (All Version)
- Opera (All Version)