Netbanking Application Installation Guide

Table of Contents

1 <u>Introduction</u>

1.1 Purpose

The objective of this document is to setup Netbanking application on a plane Docker-Swarm cluster

1.2 Scope:

This document is intended for the purpose of executing a "*fx-nb-installer.sh*" script which will deploy a Net-Banking application in an on-prem Docker-Swarm cluster.

2 <u>Installation Manual</u>

2.1 *Prerequisites*

To install Net-Banking API specs Application, the following list of prerequisites are required to be fulfilled before running the installer "*fx-nb-installer.sh*" script.

Prerequisites are:
- One Ubuntu 20.04 LTS (64-bit) based VM for Deploying Netbanking Application.
  VM Configuration:
  CPUs: 4 Cores
  Memory: 16GB Ram
  Disk: 100GB

- Ports: 8080

2.2 Installation Procedure

Once all prerequisite checks and prerequisite tasks are finished, the execution of script can be initiated.

- Cloned APIsec *On-Prem* repository
  ➔ git clone https://github.com/apisec-inc/On-Prem.git
- Go inside the On-Prem/Netbanking
  ➔ `cd On-Prem/Netbanking`

- Change the permissions of "***fx-nb-installer.sh***" if required
  - ➔ `sudo chmod a+x `**`fx-nb-installer.sh`**

- Execute the script
  - ➔ `bash `**`fx-nb-installer.sh --username "<docker-hub-username>"`**
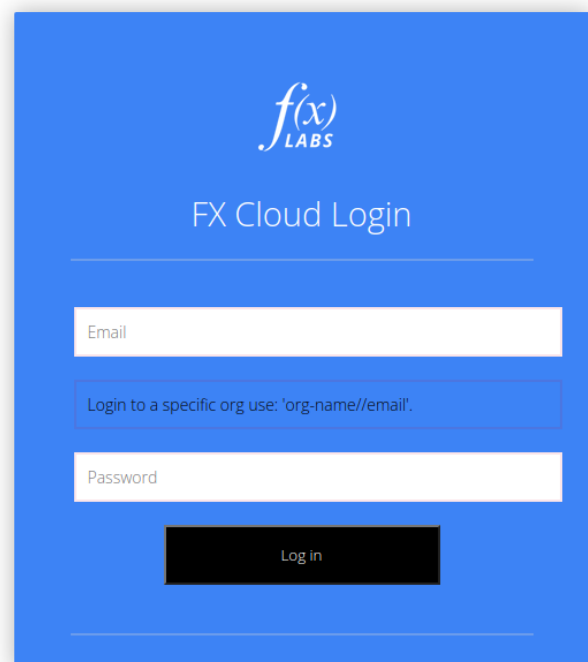   **`--password "<docker-hub-password>"`**

2.3   Post-Installation

- Once the script execution and the deployment are finished
  run below 'docker' commands to check deployment status.
  - ➔ sudo docker ps
  - ➔ sudo docker service ls
  - ➔ sudo docker stack services netbanking
  - ➔ sudo docker stack ps netbanking

Once script execution finishes and installation is done, Netbanking Application and its API specs can be at the following links.

- Netbanking application: http://<Private-IP/Public-IP>:8080
  Expected OutPut Screenshot:

- Netbanking APP API specs:
  http://<Private-IP/Public-IP>:8080/v2/api-docs

  Expected OutPut Screenshot:
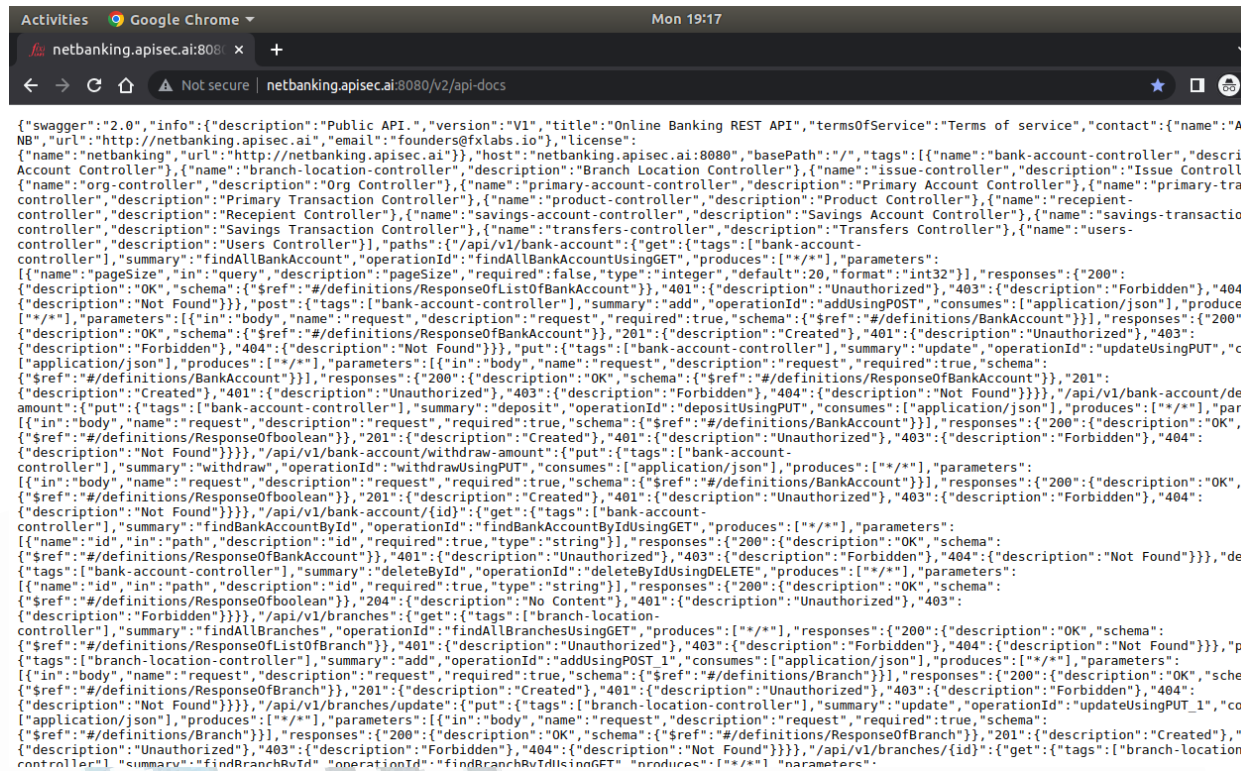
Note 1:- You will have to enable/open port 8080 for the inbound request to access the application in the browser.

Note 2:- Once fx-nb-installer.sh script execution finishes following user accounts and orgs will be created in the postgres database.

Enterprise Admin:

email: user1@netbanking.io password: admin123$ name: Netbanking UserA

email: user6@netbanking.io password: admin123$ name: Netbanking ROLE_ADMIN

email: user11@netbanking.io password: admin123$ name: Netbanking ADMIN1

email: user12@netbanking.io password: admin123$ name: Netbanking ADMIN2

Org_users:

email: user2@netbanking.io password: admin123$ name: Netbanking UserB

email: user3@netbanking.io password: admin123$ name: Netbanking UserC

email: user4@netbanking.io password: admin123$ name: Netbanking ROLE_USER

email: user5@netbanking.io password: admin123$ name: Netbanking ROLE_PM

email: user7@netbanking.io password: admin123$ name: Netbanking ROLE_BANK_ACCOUNTANT

email: user8@netbanking.io password: admin123$ name: Netbanking ROLE_BANK_MANAGER

Note 3:- You can use the below credentials setting while registering a project using this API SPEC application so that project connects with the application, by clicking on "Advanced Section".

That helps in verifying log4j assertions and others as well.

Default||Basic||user1@netbanking.io||admin123$

UserA||Basic||user1@netbanking.io||admin123$

UserB||Basic||user11@netbanking.io||admin123$

UserC||Basic||user12@netbanking.io||admin123$

ROLE_USER||Basic||user11@netbanking.io||admin123$

ROLE_PM||Basic||user12@netbanking.io||admin123$

ROLE_ADMIN||Basic||user6@netbanking.io||admin123$

Register API

API Name *
NetbankingAPISpec

Register public-facing, internal, Web, Mobile and IoT REST APIs with JSON/XML Payloads.
Note: Only alphanumeric characters and spaces are allowed

API Document URL or File
http://netbanking.apisec.ai:8080/v2/api-docs

Supported formats: OpenAPI Specification (OAS), Swagger, Postman, RAML & HAR
e.g. https://example.com/v2/api-docs Learn more ⧉

Use the following syntax for a password-protected url
e.g. https://Username:Password@URL

Upload API Document File

License available: 97 of 600

Register   Advanced Section ⧉

Register API

SkipAbac

Credentials / Tokens

```
1  Default||Basic||user1@netbanking.io||admin123$
2  UserA||Basic||user1@netbanking.io||admin123$
3  UserB||Basic||user11@netbanking.io||admin123$
4  UserC||Basic||user12@netbanking.io||admin123$
5  ROLE_USER||Basic||user11@netbanking.io||admin123$
6  ROLE_PM||Basic||user12@netbanking.io||admin123$
7  ROLE_ADMIN||Basic||user6@netbanking.io||admin123$
```

- Format: Name||Type||Username||Password
  Usage :
  - UserA||Basic||UserA@example.com||UserAPassword
  - UserB||Digest||UserB@example.com||UserBPassword
  - UserC||Basic||UserC@example.com|| {{@Vault.key}}
- Format : Name||Type||Header1||Header2 (Optional)
  Usage : UserD||Token|| {{}}

Show More..

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Select a scanner
Super_1

Register   Basic Section ⧉

Conclusion: Once you are able to view Netbanking API Specs in the browser like in the above API specs screenshot, we can safely say **NetBanking API SPECs Application** installation was completed successfully and you can now register a project with APIsec product using this **API SPECs** application and run scans on them to find vulnerabilities.