The Installation Guide

In order to run the tests without any issues, you need to fulfill the following requiremetns:

- Gradle version 6.8.1

- IntelliJ IDEA version 2021.1.3

- JDK 11

- Linux OS

Build plugin

In order to build the plugin, please fork the repository, go to the

<path to the repository>/src/For-Mainframe

directory and run

./gradlew build

Run unit tests

The unit tests are being run automatically by the build taks.

Run API tests

In order to run the API tests, please build the plugin first and then in the same directory run

./gradlew apiTest

Run UI tests

IN order to run the UI tests, please build the plugin first and then in the same directory run the following series of commands:

./gradlew runIdeForUiTest&

./gradlew uiTest

The first command will start up an IDEA, where the tests will be run. Please make sure the IDEA is visible at all times.

Run the GitHub Actions pipeline

You can run the pipeline by following these steps:

1. Fork the https://github.com/openmainframeproject-internship/Zowe-toolkit-plugin-for-Intellij repository.

2. In GitHub, go to Settings/Actions/Runners. Click on Add runner and follow the instructions. We used OS Linuc and Architecture X64. There might be some issues if your runner will have something else.

3. Run the self-hosted runner if you have not done so already.

4. Make a small irrelevant change to the project and push a commit containing: "unit api ui" in its message.

5. Make sure that the IDEA, where the UI tests are being run is visible at all times.