Test Automation

QSTP MIA. Installation notes

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# Requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Service** |  | **vCPU** | **RAM** | **HDD** | **Version** |
| **QSTP MIA** | *system* | 1 | 3 Gb | 2 Gb | JAVA 1.8 |
| **QSTP Environments. Installation Notes for standalone Linux#Requirements** | *Postgres* | 1 | 3 | 10 | 9.6+ |
| *system* | 1 | 2 | 2 | JAVA 1.8 |

# Non functional requirements

|  |  |
| --- | --- |
| **Requirement** | **Limit** |
| Max number Process/Compound executions at the same time for all projects   * max time response for simple SQL (including connection to DB) execution: 30 seconds | 30 |
| Max number Rate matrix (process with test data file) executions at the same time for all projects.   * excel file: 1 Mb * max number rows on Main sheet: 7200 | 5 |

# QSTP MIA. Cloud (external) installation

* [**Preparation**](#scroll-bookmark-5)
* [**Preparing the MIA image [side]**](#scroll-bookmark-6)
* [**Preparing the project configs [side]**](#scroll-bookmark-7)
* [**Deployment [on Site]**](#scroll-bookmark-8)

## Preparation

**QSTP\_Environment tool must be installed first.**

## Preparing the MIA image [side]

|  |  |
| --- | --- |
| **Step** | **Notes** |
| ***NOT MANDATORY STEP! NEED IF SOMETHING SPECIAL FOR PROJECT***  Detach a branch from the last release (the branch name corresponds to the name of your project)  /s/en_US/7901/af536c7c6dffcc1d697b914b797aa7f2f306b4f8/_/images/icons/emoticons/warning.png in the future, you must follow the following steps:   1. open project via IDEA 2. getting up on the local master 3. wizard update (pull up the latest changes) 4. getting up on the project branch 5. making a rebase with the local wizard 6. running tests 7. commit and force push | Git: https://git.company.com/PROD.TA/atp-mia  **e.g. project\_external** |
| 1. after the push, the job that you need to go to will start. click on the name **atp2-builder** and follow the link like https://cisrvcn.company.com/job/atp2-builder/41419/ 2. Go to **DP.Pub.Microservice\_builder\_v2** link like https://cisrvrecn.company.com/job/DP.Pub.Microservice\_builder\_v2/1083391/   /s/en_US/7901/af536c7c6dffcc1d697b914b797aa7f2f306b4f8/_/images/icons/emoticons/warning.png **on this page you need to copy docker image URL like**  artifactorycn.company.com:17008/product/prod.ta\_atp-mia:external\_20200720-061148    ***THE SAME INFORMATION CAN BE TAKEN FROM 'MASTER' BRANCH IF NO SPECIFIC FOR YOUR PROJECT*** |  |
| on any VM with Docker installed run the following commands:   1. systemctl start docker 2. docker pull imageName 3. docker save imageName > /home/centos/mia/imageName.tar | 1. systemctl start docker 2. docker pull *artifactorycn.company.com:17008/product/prod.qstp -mia: external\_20200720-061148* 3. docker save *artifactorycn.company.com:17008/product/prod.qstp -mia:external\_20200720-061148* > /home/centos/mia/external\_v2.tar |
| transfer the created image to your local machine and then to ftp |  |

## Preparing the project configs [side]

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| --- | --- |
| **Step** | **Notes** |
| 1. Download the archive with configs from Git 2. Put all the files in a single folder on your local machine   /s/en_US/7901/af536c7c6dffcc1d697b914b797aa7f2f306b4f8/_/images/icons/emoticons/warning.png configuration files for the config map must be located in one folder with the **Flow.json** file | Git: https://git.company.com/PROD.TA/qstp-mia |
| Make changes to the **Flow.json** file if the configuration files were previously distributed in folders | **Before**:  "ethalonFilesPath": "etalon\_files/"  "pathToFile": "./CM/ReadInboundBalanceAccountChangeFile.json"  **After**:  "ethalonFilesPath": "flow/"  "pathToFile": "ReadInboundBalanceAccountChangeFile.json" |
| create ConfigMap **mia-config-projects** on your local PC:   1. open cmd 2. execute comands | oc login https://dev.company.com:8443/ oc create configmap mia-config --from-file="D:\PROJECT\[MIA EXTERNAL]\\_ConfigMapExtMia" oc get configmap mia-config -o yaml > "D:\PROJECT\[MIA EXTERNAL]\miaConfig.yaml" oc get configmap mia-config -o json > "D:\PROJECT\[MIA EXTERNAL]\miaConfig.json" |
| Download **projects\_config.json** from Git | you can find file by path: **qstp-mia-backend\src\main\config\project\** |
| create ConfigMap **mia-config-projects** on your local PC:   1. open cmd 2. execute comands | oc login https://dev.company.com:8443/ oc create configmap mia-config-projects --from-file="D:\PROJECT\[MIA EXTERNAL]\\_createConfigMapExtMia\_projects\_config" oc get configmap mia-config-projects -o yaml > "D:\PROJECT\[MIA EXTERNAL]\miaConfig\_projects.yaml" oc get configmap mia-config-projects -o json > "D:\PROJECT\[MIA EXTERNAL]\miaConfig\_projects.yaml" |
| transfer the created **\*.json** and **\*.yaml** files to ftp |  |

## Deployment [on Site]

|  |  |
| --- | --- |
| **Step** | **Notes** |
| Deploy docker image **project\_external\_v2.tar** on openshifr |  |
| Create configMap **mia-config-projects** from file **miaConfig\_projects.json** or **miaConfig\_projects.yaml** |  |
| Create configMap **mia-config** from file **miaConfig.json** or **miaConfig.yaml** |  |
| Create new project with name **PROJECT\_EXTERNAL** on atp-environments, copy project ID from URL  e.g. 16146a9b-5b02-491f-a1f8-4c3a1173a194 |  |
| Change value of configMap **mia-config-projects** | [  {  "id": "**16146a9b-5b02-491f-a1f8-4c3a1173a194**",  "name": " **PROJECT\_EXTERNAL** ",  "configUrl": "./config/project/**16146a9b-5b02-491f-a1f8-4c3a1173a194**/flow"  },  {  "id": "default",  "name": "default",  "configUrl": "./config/project/default/Flow.json"  } ] |
| Mount configMap **mia-config-projects** by path **/atp-mia/config/project/** |  |
| Mount configMap **mia-config** by path **/atp-mia/config/project/16146a9b-5b02-491f-a1f8-4c3a1173a194/flow/** |  |
| Change some parameters of container   * PROJECT\_CONFIG\_STORAGE\_PATH **(/atp-mia/config/project/projects\_config.json)** * SPRING\_PROFILES **(disable-security)** * FEIGN\_ATP\_ENVIRONMENTS\_URL **(https://environments.com)** * LOG\_GRAYLOG\_ON **(false)** * KAFKA\_ENABLE **(false)** * KEYCLOAK\_ENABLED **(false)** * LOGGING\_LEVEL **(TRACE)** |  |
| Check that configMaps are available |  |
| Check that route is available |  |

# QSTP MIA. VM (internal/external) installation

* [Preparation](#scroll-bookmark-14)
* [Installation](#scroll-bookmark-15)
* [Update](#scroll-bookmark-16)

## Preparation

**QSTP\_Environment tool must be installed first.**

**Both tools (MIA and Environment) are used port of machine where they are will be running, and both tools by default use port 8080.**

**If both tools will be placed on one machine then they must have different ports and both ports should be enabled to use (ask IT to open those ports on machine(s)).**

## Installation

1. Unzip archive **atp-mia-distribution-\*.zip**
2. Replace parameters if needed in **./config/application.properties**
3. Change environment variable **FEIGN\_ATP\_ENVIRONMENTS\_URL.** For example environment installed on http://localhost:8081:

|  |  |
| --- | --- |
| **Unix systems** | **Windows system** |
| setenv FEIGN\_ATP\_ENVIRONMENTS\_URL http://localhost:8081  echo $ FEIGN\_ATP\_ENVIRONMENTS\_URL  **OR**  FEIGN\_ATP\_ENVIRONMENTS\_URL =http://localhost:8081  echo $ FEIGN\_ATP\_ENVIRONMENTS\_URL  **OR**  update *feign.atp.environments.url* parameter in *run.sh* file | update *feign.atp.environments.url* parameter in *run.cmd* file  **do not close the opening window** |

1. Start the tool

|  |  |
| --- | --- |
| **Unix systems** | **Windows system** |
| chmod +x run.sh ./run.sh | Double click on *run.cmd* file |

1. Check the tool - open url http://<hostname>:<port>

## Update

1. Unzip with replacing files from archive **atp-mia-distribution-\*.zip** only ***lib/*** and ***web/*** forders into folder of tool
2. restart the tool

|  |  |
| --- | --- |
| **Unix systems** | **Windows system** |
| chmod +x restart.sh  ./restart.sh | Close window of the tool  Double click on *run.cmd* file  **do not close the opening window** |