Test Automation

QSTP MIA. Installation notes

Contents

1 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

2   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

3   QSTP MIA. Cloud (external) installation

- **Preparation**

- **Preparing the MIA image [side]**

- **Preparing the project configs [side]**

- **Deployment [on Site]**

3.1 Preparation

QSTP_Environment tool must be installed first.

3.2 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) ⚠️ 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/ ⚠️ **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	

3.3 Preparing the project configs [side]

Step	Notes
1. Download the archive with configs from Git	Git: https://git.company.com/PROD.TA/qstp-mia

2. Put all the files in a single folder on your local machine ⚠️ configuration files for the config map must be located in one folder with the **Flow.json** file	
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	

3.4 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	

4 QSTP MIA. VM (internal/external) installation

- [Preparation](#)
- [Installation](#)
- [Update](#)

4.1 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)).

4.2 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**

4. Start the tool

Unix systems	Windows system

| ```
chmod +x run.sh
./run.sh
``` | Double click on *run.cmd* file |

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

4.3 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<br><br>Double click on *run.cmd* file<br><br>**do not close the opening window** |