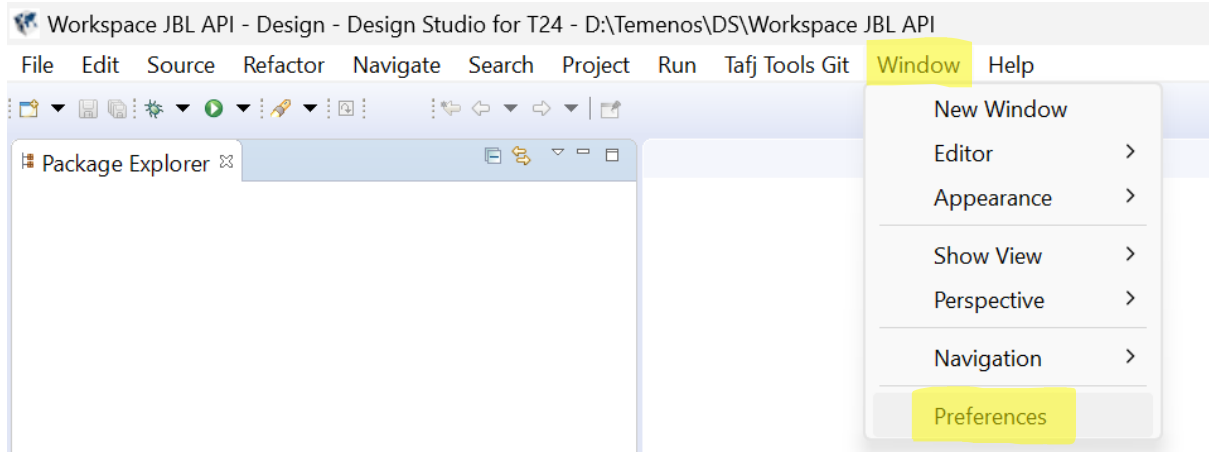
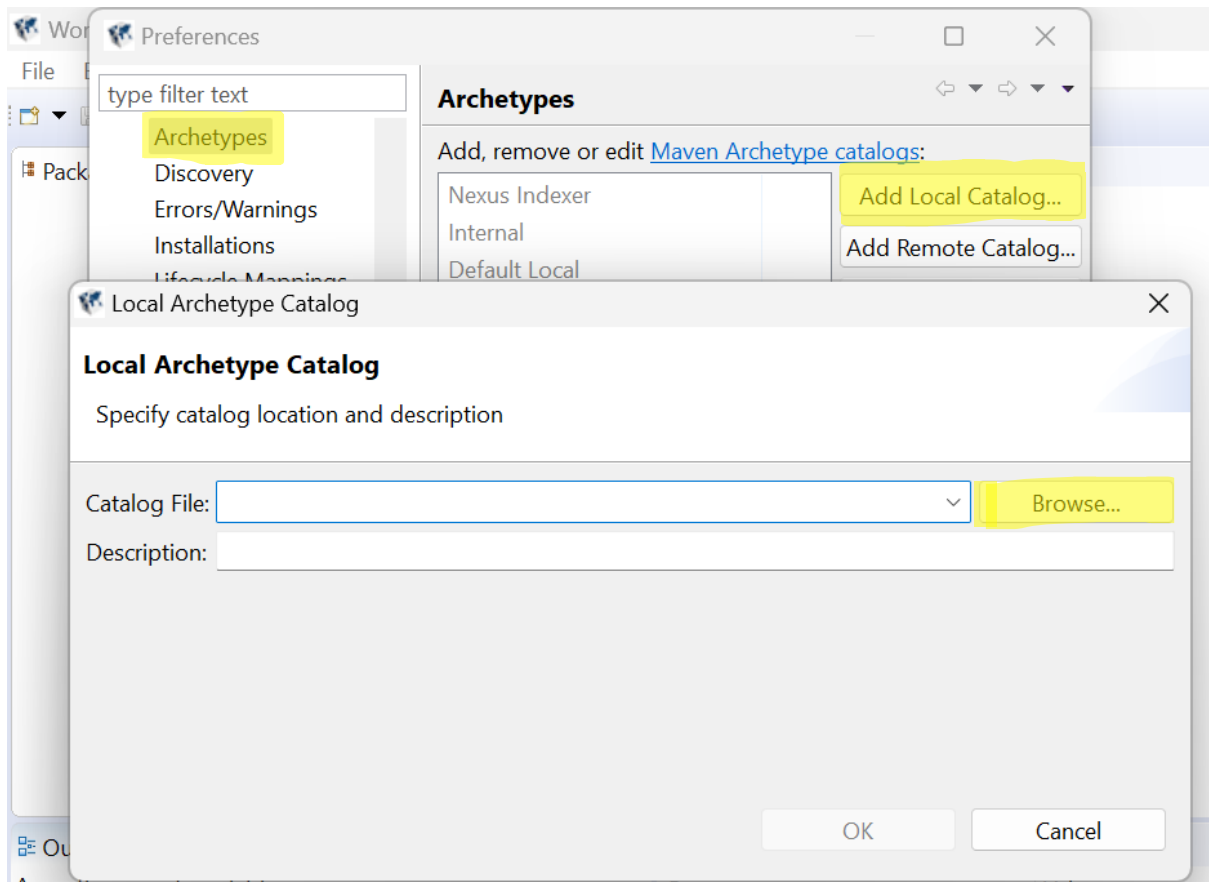


IRIS API

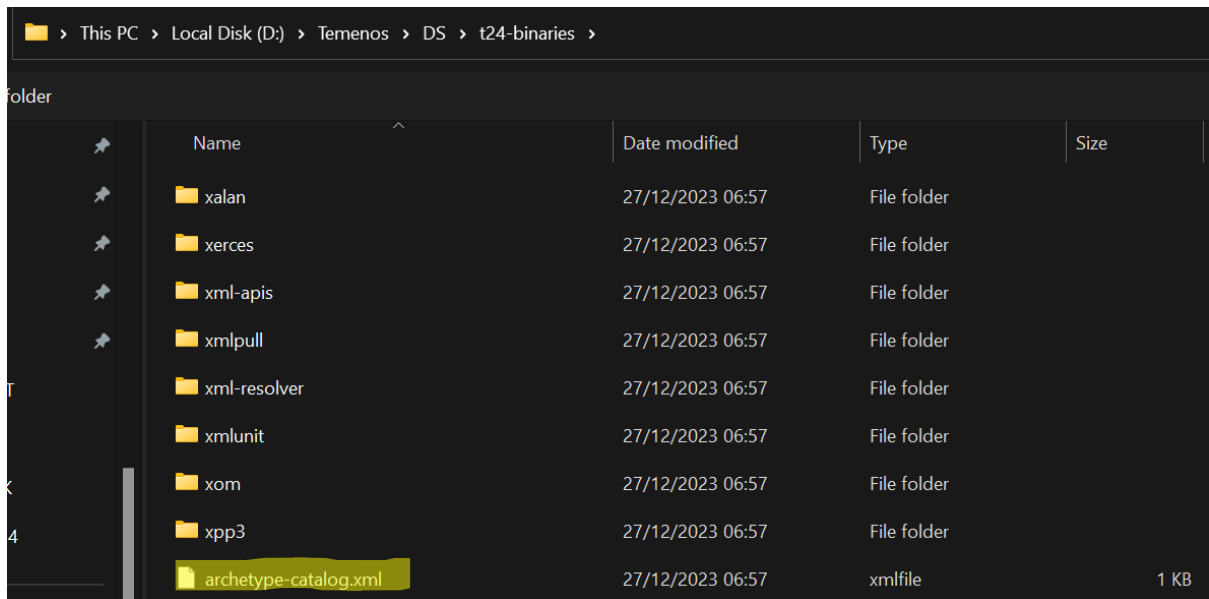
Adding Archetype in Design Studio:



Window > Preferences > Archetypes > Add Local Catalog

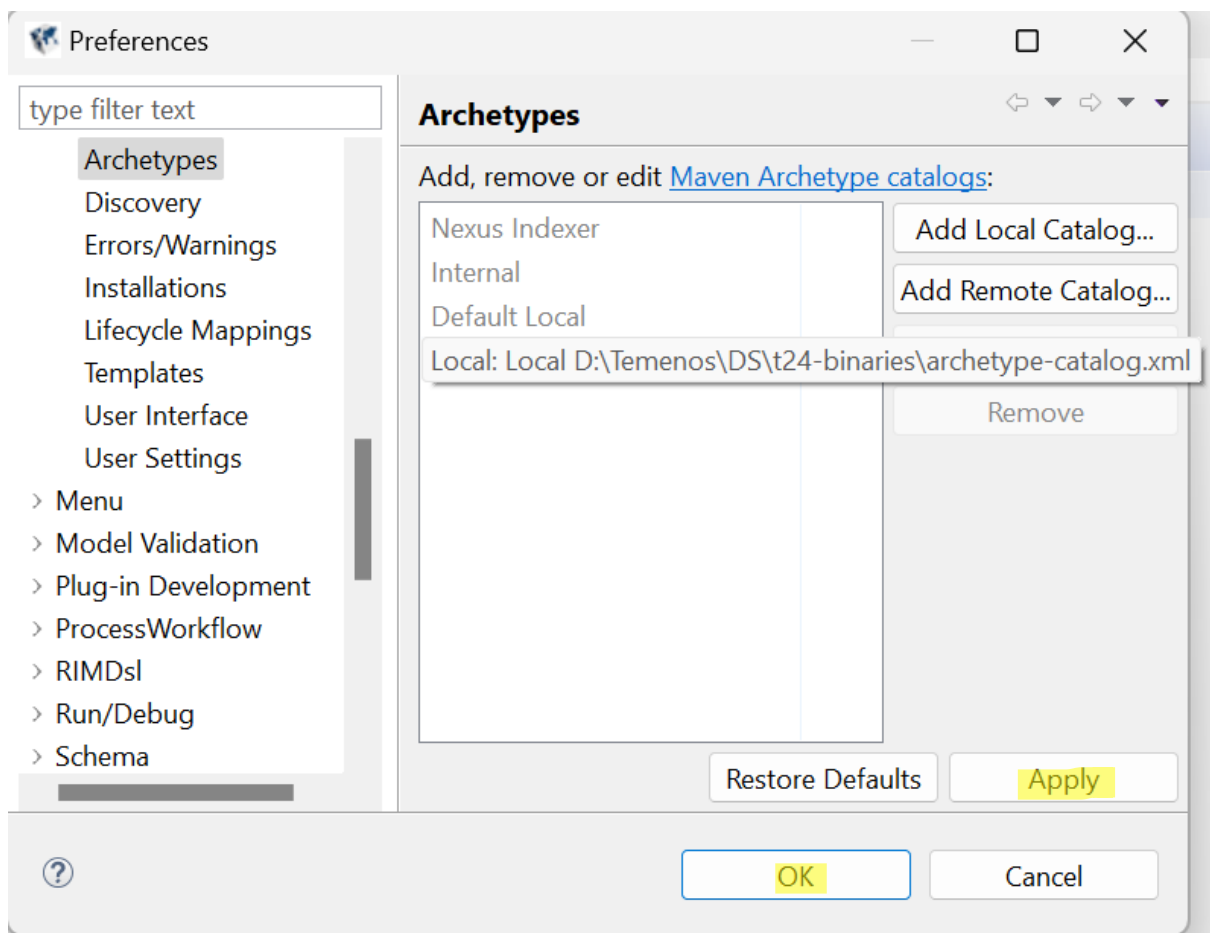


T24-binaries > D:\Temenos\DS\t24-binaries -- archetype-catalog.xml

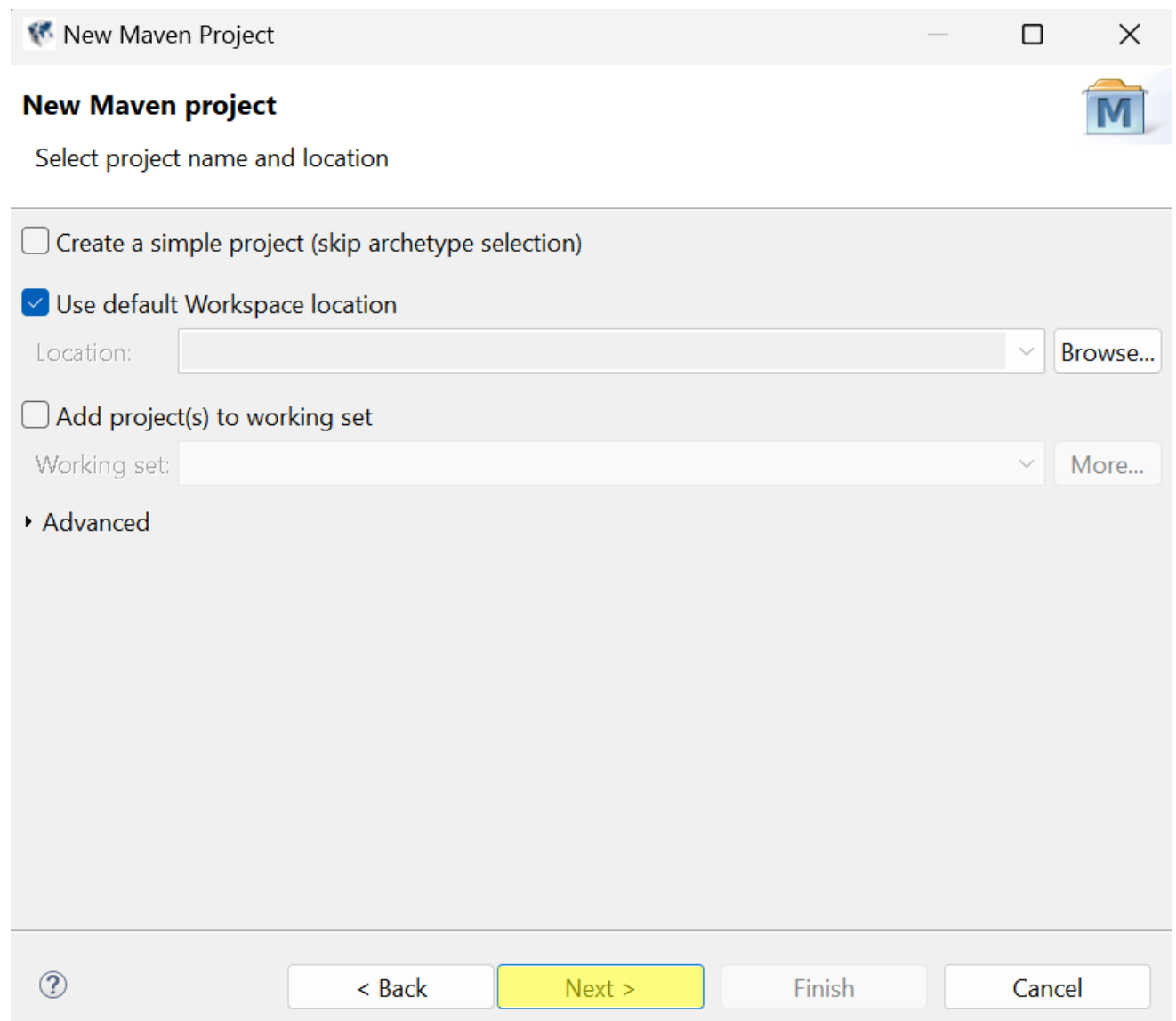
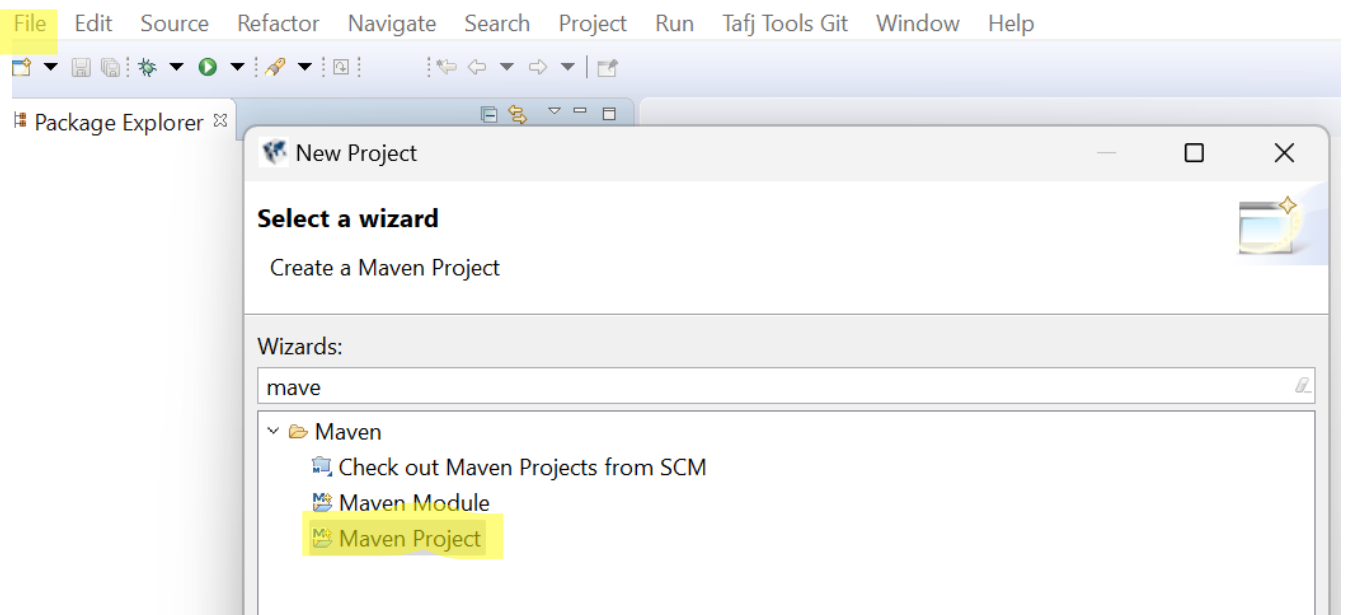


Folder

Name	Date modified	Type	Size
xalan	27/12/2023 06:57	File folder	
xerces	27/12/2023 06:57	File folder	
xml-apis	27/12/2023 06:57	File folder	
xmlpull	27/12/2023 06:57	File folder	
xml-resolver	27/12/2023 06:57	File folder	
xmlunit	27/12/2023 06:57	File folder	
xom	27/12/2023 06:57	File folder	
xpp3	27/12/2023 06:57	File folder	
archetype-catalog.xml	27/12/2023 06:57	xmlfile	1 KB



New Mavel Project from DS:



There must be two **Maven** Projects (irf-service-archetype & irf-service-container -archetype)

New Maven Project

New Maven project

Select an Archetype

Catalog: All Catalogs Configure...

Filter: ×

Group Id	Artifact Id	Version
com.temenos.irf	irf-service-archetype	21.0.38
com.temenos.irf	irf-service-container-archetype	21.0.38
org.apache.maven.archetypes	maven-archetype-archetype	1.0
org.apache.maven.archetypes	maven-archetype-j2ee-simple	1.0
org.apache.maven.archetypes	maven-archetype-plugin	1.2
org.apache.maven.archetypes	maven-archetype-plugin-site	1.1
org.apache.maven.archetypes	maven-archetype-portlet	1.0.1

basic

☒ Show the last version of Archetype only ☐ Include snapshot archetypes Add Archetype...

► Advanced

? < Back Next > Finish Cancel

New Maven Project

New Maven project

Specify Archetype parameters

Group Id: AccountBalance

Artifact Id: AccountBalanceDetails

Version: 0.0.1-SNAPSHOT

Package: AccountBalance.AccountBalanceDetails

Properties available from archetype:

Name	Value

Add...
Remove

► Advanced

? < Back Next > Finish Cancel

New Maven Project

New Maven project

Select an Archetype

Catalog: All Catalogs

Configure...

Filter:

Group Id	Artifact Id	Version
com.temenos.irf	irf-service-archetype	21.0.38
com.temenos.irf	irf-service-container-archetype	21.0.38
org.apache.maven.archetypes	maven-archetype-archetype	1.0
org.apache.maven.archetypes	maven-archetype-j2ee-simple	1.0
org.apache.maven.archetypes	maven-archetype-plugin	1.2
org.apache.maven.archetypes	maven-archetype-plugin-site	1.1
org.apache.maven.archetypes	maven-archetype-portlet	1.0.1

basic

☒ Show the last version of Archetype only

☐ Include snapshot archetypes

Add Archetype...

Advanced

?

< Back

Next >

Finish

Cancel

New Maven Project

New Maven project

Specify Archetype parameters

Group Id: AccountBalance

Artifact Id: AccountBalanceContainer

Version: 0.0.1-SNAPSHOT

Package: AccountBalance.AccountBalanceContainer

Properties available from archetype:

Name	Value

Add...

Remove

Advanced

?

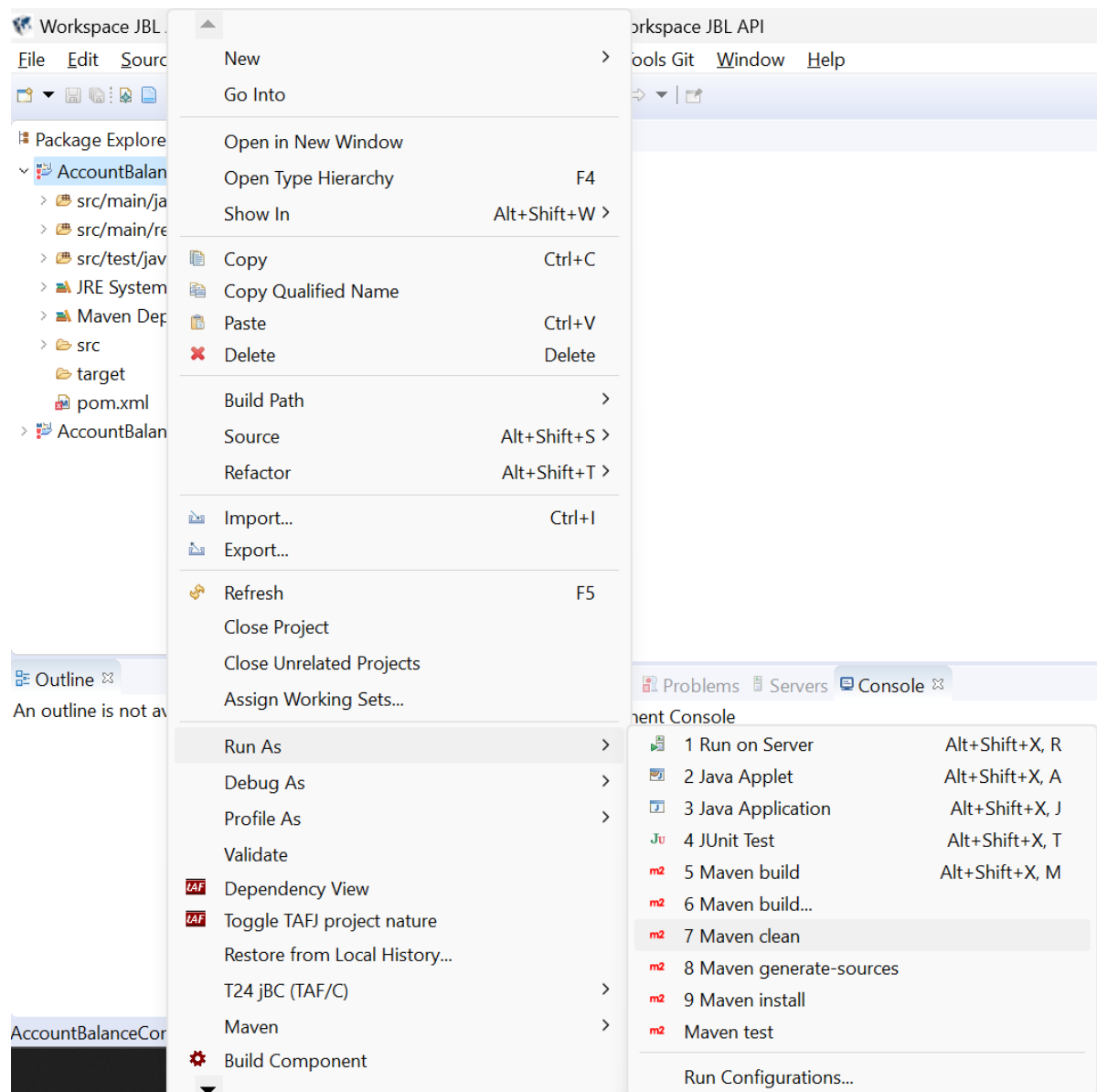
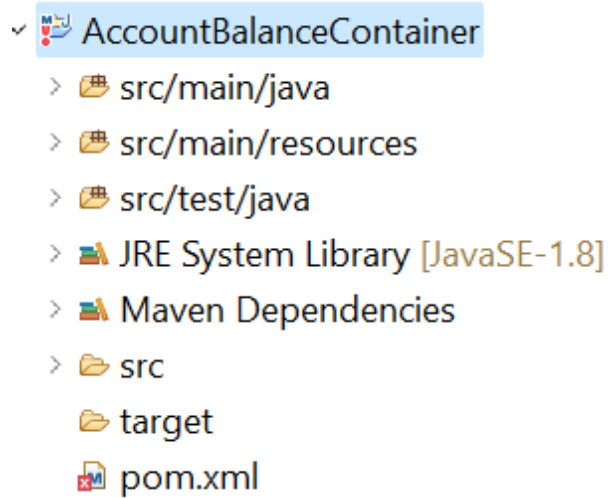
< Back

Next >

Finish

Cancel

Clean the both container and Service project by Selecting,
Right click on Project → Run As → Maven Clean.



```
Properties Problems Servers Console
<terminated> D:\Temenos\DS\jdk\bin\javaw.exe (Jan 29, 2024, 10:53:08 AM)
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building AccountBalanceContainer 21.0.38
[INFO] -----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ AccountBalanceContainer ---
[INFO] Deleting D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.278 s
[INFO] Finished at: 2024-01-29T10:53:09+06:00
[INFO] Final Memory: 15M/487M
[INFO] -----
```

```
Properties Problems Servers Console
<terminated> D:\Temenos\DS\jdk\bin\javaw.exe (Jan 29, 2024, 10:54:06 AM)
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building AccountBalanceDetails 0.0.1-SNAPSHOT
[INFO] -----
[INFO]
[INFO] --- maven-clean-plugin:3.0.0:clean (default-clean) @ AccountBalanceDetails ---
[INFO] Deleting D:\Temenos\DS\Workspace JBL API\AccountBalanceDetails\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.353 s
[INFO] Finished at: 2024-01-29T10:54:07+06:00
[INFO] Final Memory: 16M/487M
[INFO] -----
```

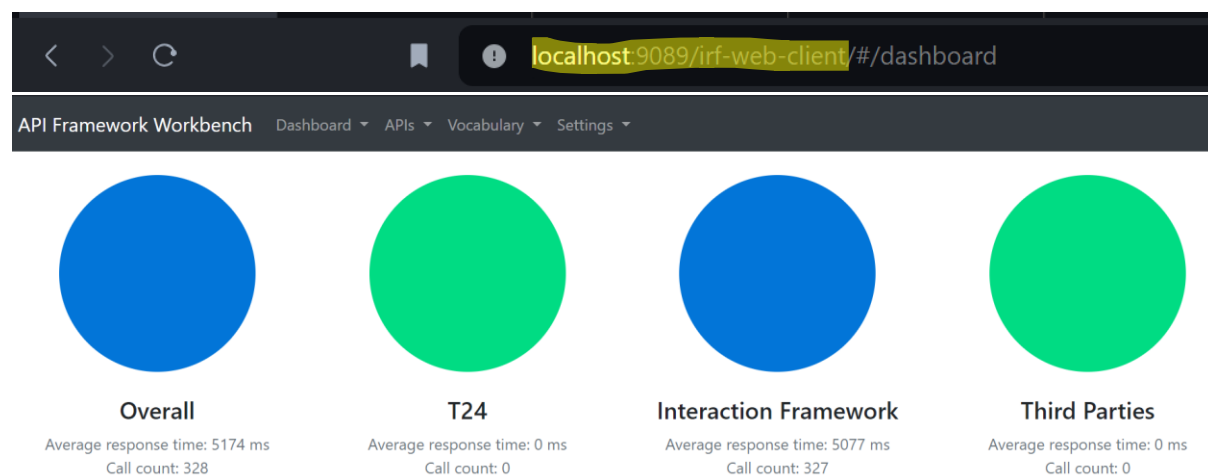
IRIS 2.0 war File Generation

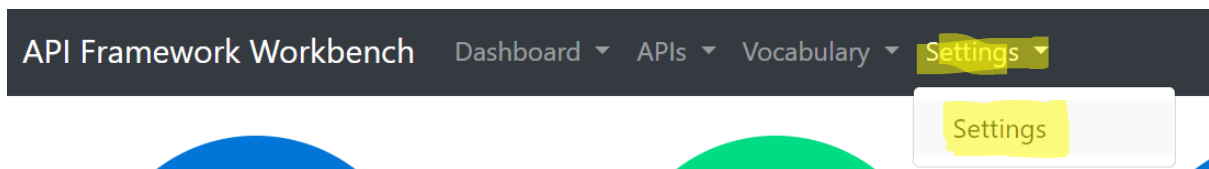
Deploy the 2 war files which is given by temenos in your JBoss

irf-web-client - Workbench

irf-test-web - To test the IRIS Services

Give the base URL in the browser-> Workbench gets opened...









Select settings tab → click settings → Then the servers page gets opened.

Servers

Servers

Add Server

Active	Name	URL	
<input checked="" type="radio"/>	TestWeb Server	http://localhost:9089/irf-provider-container	 
<input type="radio"/>	Default Server	http://127.0.0.1:8080	 

Amend Server

Name

TestWeb Server

URL

http://localhost:9089/irf-provider-container

Cancel

Amend

API Creation from Workbench

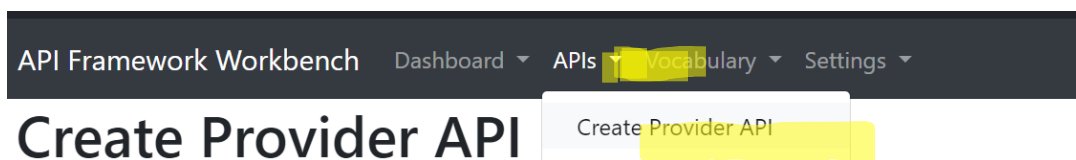
API Creation:

First We should create a Version or Enquiry in below format.

Product.API.verb.version -----EX: ST.API.CUSTOMERS.1.0.0

go to localhost:9089/irf-web-client

Click API>create provider API.



The Available Artefacts can be displayed. The Artefacts can be Versions(Screen), Enquiries(Query),AA Product(Product) and so on.

Select the data's which you want to import.

The API definition page will be displayed.

Select the required artefacts from available artefacts.

Available Artefacts

☐ Product 140
 ☒ Query 917

☐ Screen 470
 ☐ Evidence 9

Account

message

getAccountBalance

AC-API-WS-ACCOUNT-BALANCES.1.0.0 (AC)

getAccountBalance

PZ-API-BERLIN.1.3-ACCOUNTS-BALANCE.1.1.0 (PZ)

getAccountBalance

PZ-API-STET.1.4-ACCOUNTS-BALANCE.1.0.0 (PZ)

getAccountBalanceMovement

API Definition

Add artefacts to the API definition by choosing from the available artefacts.
 OR
 Select the .json file of an existing API inventory to modify an existing definition

Choose file

No file chosen

Title

GetCusAcBal

Key

jbl-api

Description

GetCusAcBalance

Version

v1.0.0

Schemes

☒ tps ☒ tp

Base Path

/api

Host

localhost:9089

Provide key , url, summary, description. (give request and response payload versions
If it is AA API)

AC.API.WS.ACCOUNT.BALANCES.1.0.0

Operation

getAccountBalance

Description

Summary

Tags

☐CORPORATE

☐INCLUSIVE BANKING

☐ISLAMIC BANKING

☐RETAIL

☐TREASURY

☐WEALTH

Domain

party

URL Parameters

* Name

☐ CustomerId

string

☐ customerId

string

HTTP Method

GET

Operation security

Public

Client Type

INTERNAL

☐Bulk

☐Requires consent

☐Deprecated

ViewResponseFields

Selection Mapping

Selection Field	Operand	Map Type	Map To
customerId	equals	<input checked="" type="radio"/> Parameter <input type="radio"/> Constant <input type="radio"/> None	CustomerId

click **NEXT** on top of the screen>**FINISH**

API Definition

Title

GetCusAcBal

Description

GetCusAcBalance

Version

v1.0.0

Base Path

/api

Key

jbl-api

Schemes

☒https ☐http

Host

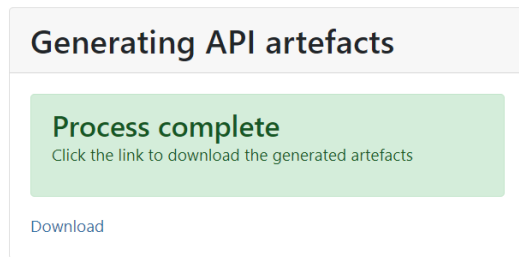
localhost:9089

API Endpoints

Path	/ws/{CustomerId}
HTTP Method	GET
Operation	getAccountBalance
Operation Security	Public
Target	AC.API.WS.ACCOUNT.BALANCES.1.0.0
Target Type	Query

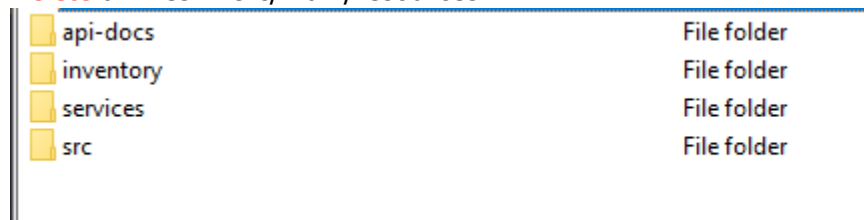
2. Review

3. Download

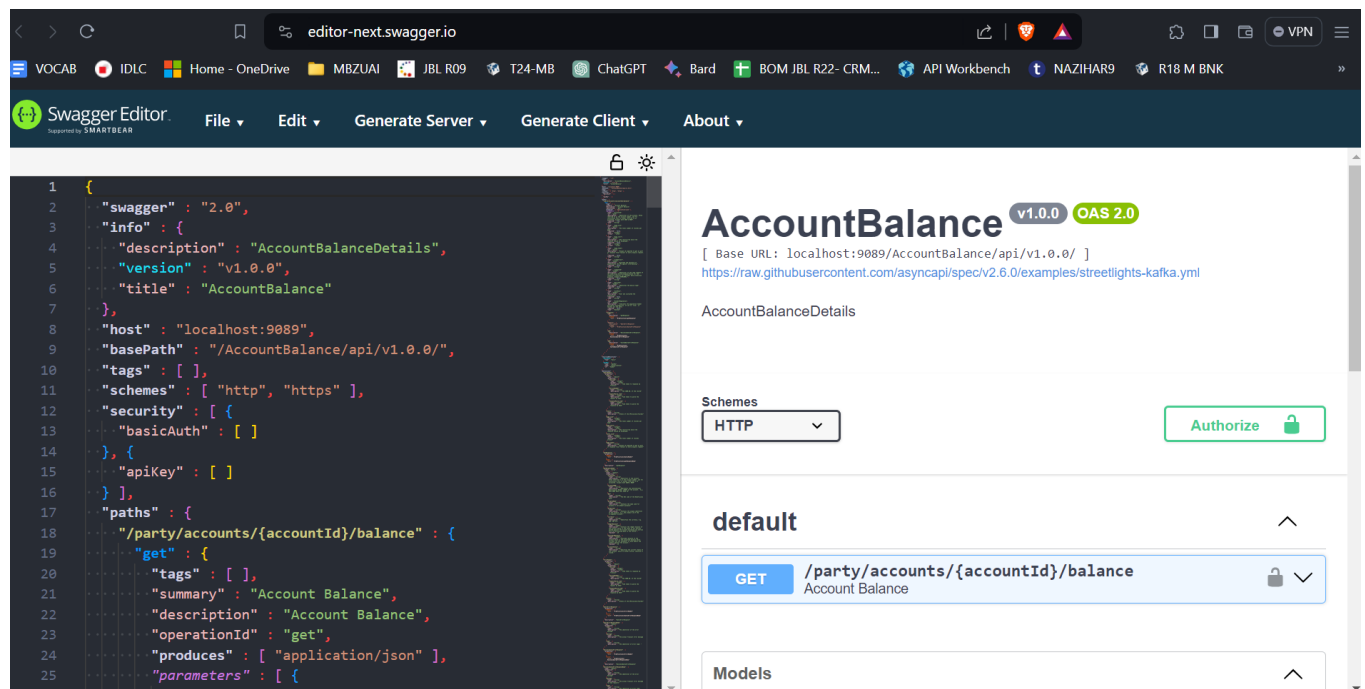


IRIS Workbench will generate a zip based on selected transact artefacts. Download it. That zip contains 3 folders. **i.e. api-docs, inventory, services**

After creating a **Maven** project (**AccountBalanceDetails**), **Delete** all files in src/main/resources



api-docs – This folder contains swagger which will show the specification of our API
Ex:

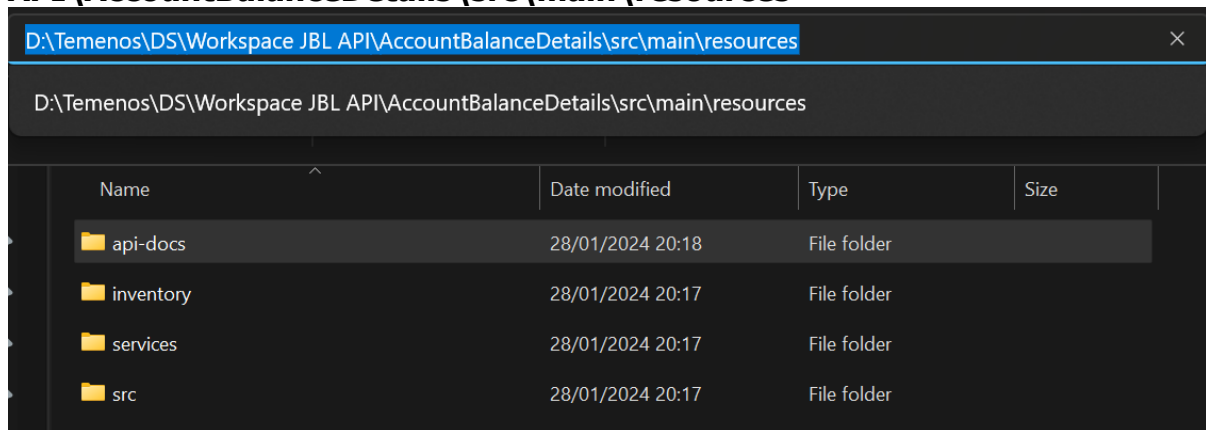


Inventory – This folder contains details of the generated artefacts/APIs. Which is useful to load existing APIs to the workbench rather than selecting artefacts from scratch.

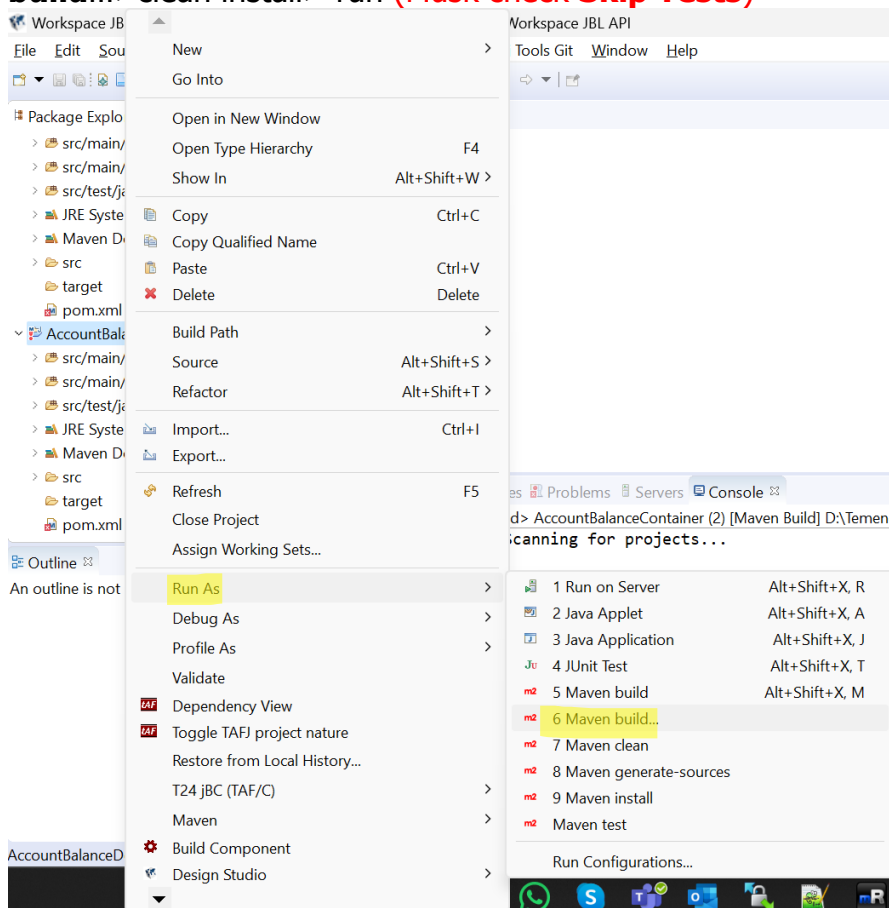
Services- This folder contains the xml routes for routing the API to appropriate transact artefact.

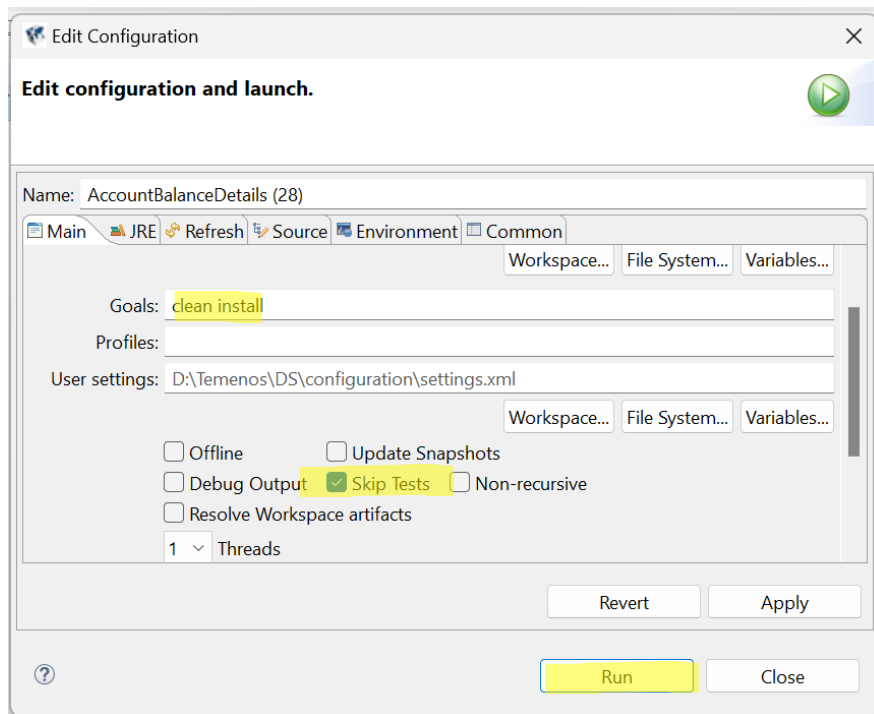
This file alone is fine to deploy in a container to get our API work.


Paste the **Downloaded** files from the **Workbench** in the Below path,
D:\Temenos\DS\Workspace JBL
API\AccountBalanceDetails\src\main\resources




Right click on the main project(AccountBalanceDetails)>Run as> **Maven build...>clean install> run (Musk check Skip Tests)**





If the BUILD is FAILED then need to download the  `json-20170516.jar` file and paste it inside the **t24 binaries** directory like this,
D:\Temenos\DS\t24-binaries\org\json\json\20170516


 archetype-catalog.xml
 |
 file.

We also need to replace each **http** to **https** in **archetype-catalog.xml**

If the **BUILD** is **SUCCESSFUL** then the **jar** file will be created here.

```

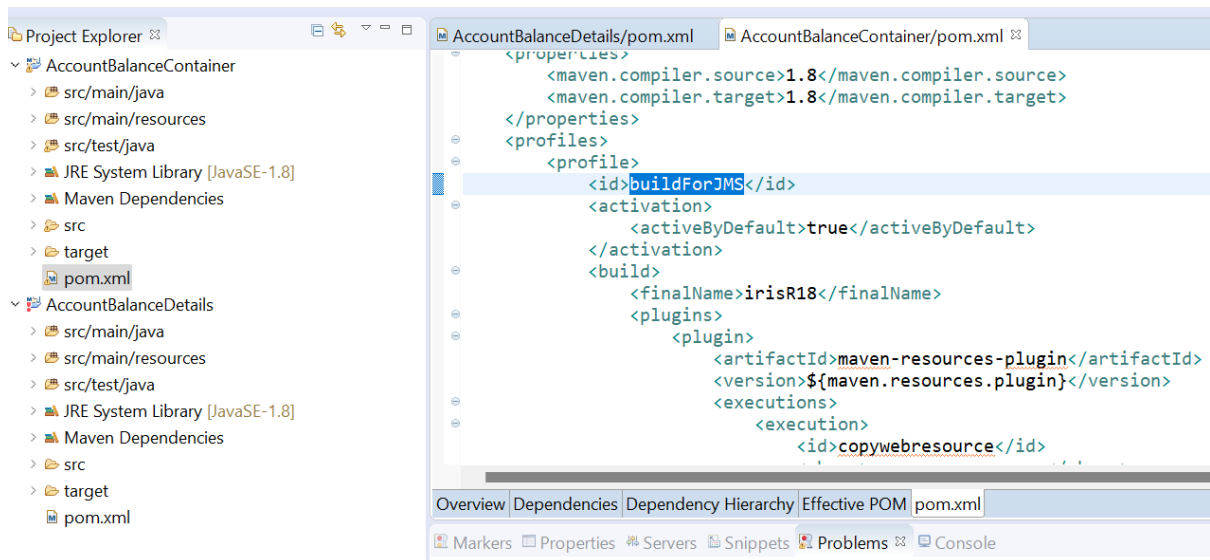
v AccountBalanceDetails
  > src/main/java
  > src/main/resources
  > src/test/java
  > JRE System Library [JavaSE-1.8]
  > Maven Dependencies
  > src
  v target
    > generated-sources
    > maven-archiver
    > maven-status
    AccountBalanceDetails-0.0.1-SNAPSHOT.jar
  pom.xml
  
```

Go to the **container** project > pom.xml

Go to **dependencies** tab and add your jars (created in main project)

Go to **pom.xml** tab

buildforJMS > true ; **Not Required/Optional** for Model Bank.



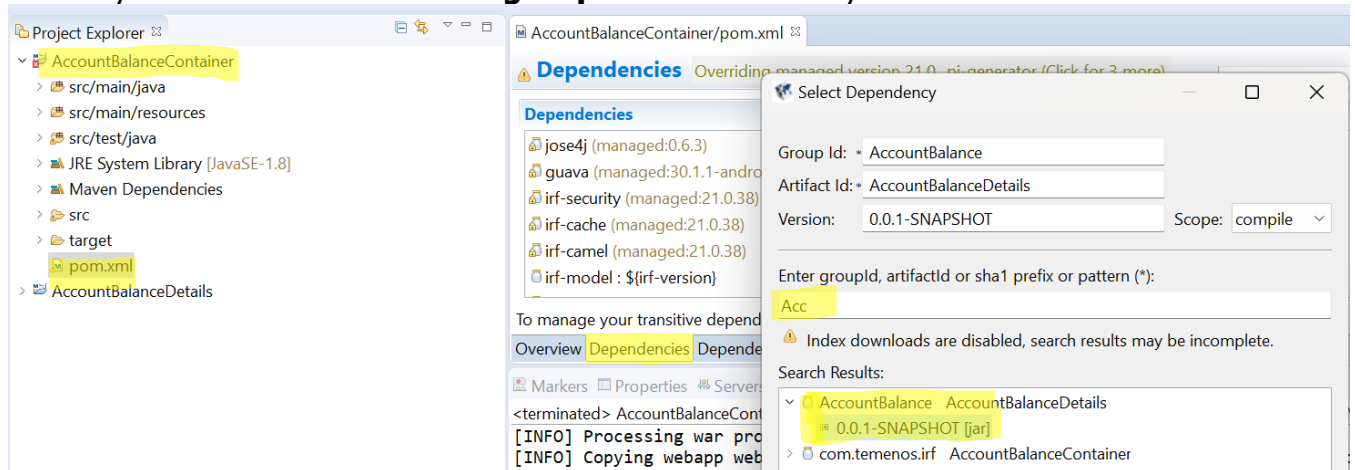
Adding Dependencies:

Special Note: We must build the main project first then the container project.

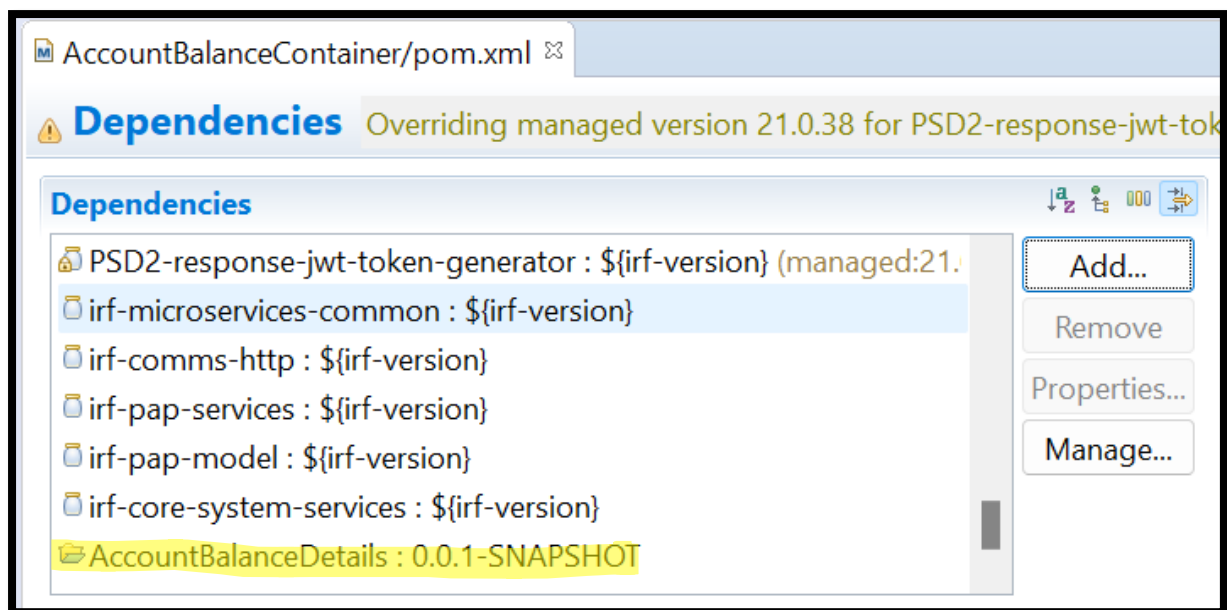
Double click on pom.xml → select Dependencies tab → click Add.

The **container** will have the main project **jar file** as a Dependency.

Search your service name in Enter **groupId** field → select your service → Click **OK**.



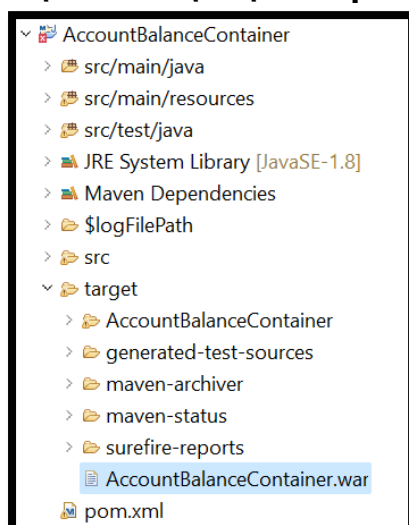
Then **Save** it. → Ctrl +S



If the jboss is a remote server then,
 Provide the jboss environment: username and password.
 Java.naming.security.principal = username
 Java.naming.security.credentials = Password

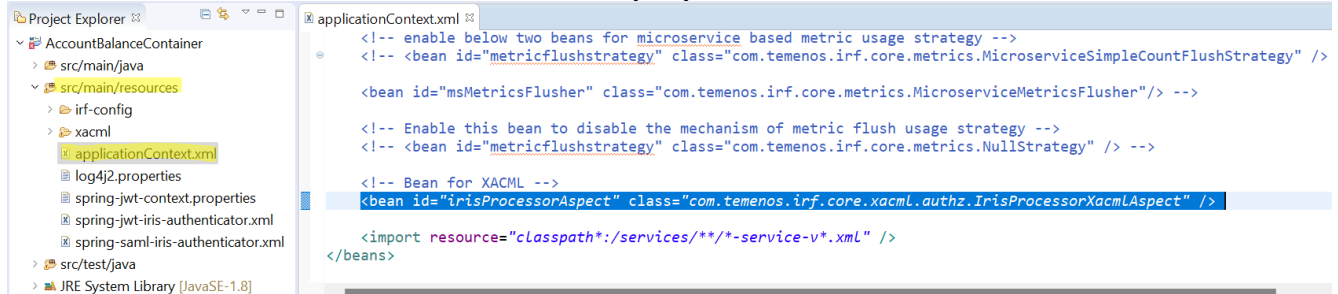
```
<terminated> AccountBalanceContainer (9) [Maven Build] D:\Temenos\DS\jdk\bin\javaw.exe (Jan 29, 2024, 4:23:27 PM)
[INFO] Processing war project
[INFO] Copying webapp webResources [D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\src\main\webapp\jbossenabled/]
[INFO] Copying webapp resources [D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\src\main\webapp]
[INFO] Webapp assembled in [786 msecs]
[INFO] Building war: D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target\AccountBalanceContainer.war
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ AccountBalanceContainer ---
[INFO] Installing D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target\AccountBalanceContainer.war to D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target\maven-repository\org\temenos\jbl-api\AccountBalanceContainer\0.0.1-SNAPSHOT
[INFO] Installing D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\pom.xml to D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target\maven-repository\org\temenos\jbl-api\AccountBalanceContainer\0.0.1-SNAPSHOT
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 25.663 s
[INFO] Finished at: 2024-01-29T16:23:54+06:00
[INFO] Final Memory: 79M/661M
[INFO]
```

D:\Temenos\DS\Workspace JBL API\AccountBalanceContainer\target



To Enable/disable xacml:

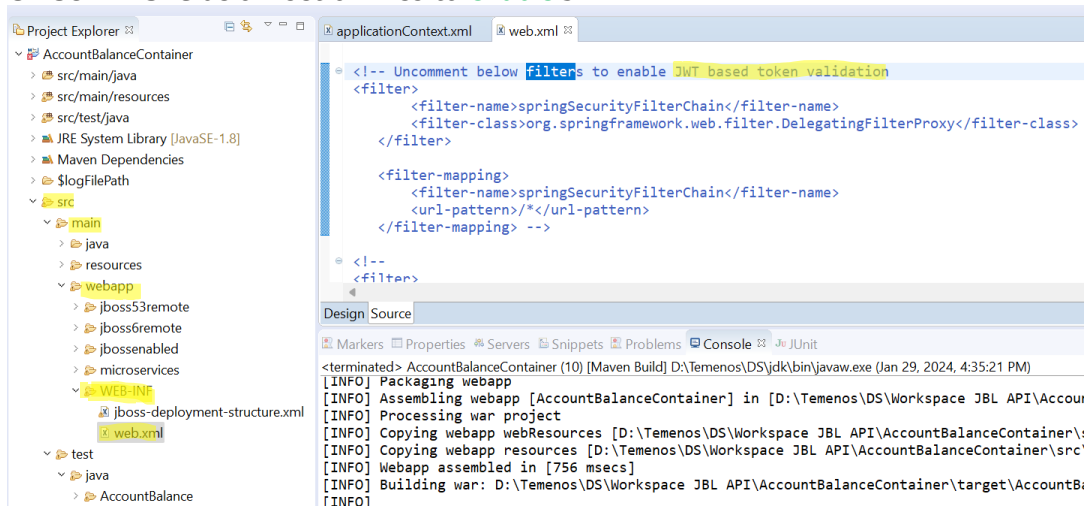
Comment out below line to disable xacml. (OR) **Uncomment** to enable xacml.



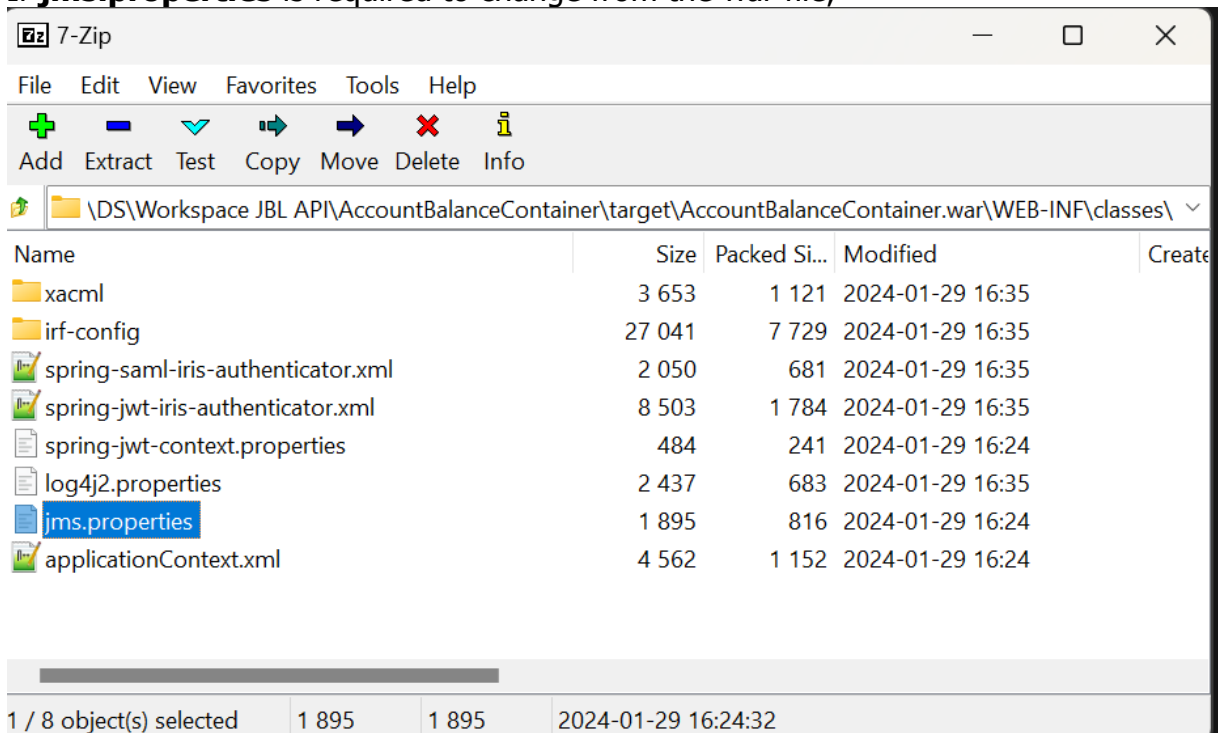
To Enable/disable JWT:

Comment out below set of lines to **disable** JWT (OR)

UnComment below set of lines to **enable** JWT.



If **json.properties** is required to change from the war file,



Deployment :

Deploy the .war file in your jboss. **D:\Temenos\jboss\standalone\deployments**

> This PC > Local Disk (D:) > Temenos > jboss > standalone > deployments >

Name	Date modified	Type	Size
AccountBalanceContainer.war	29/01/2024 16:35	WAR File	141,671 KB
AccountBalanceContainer.war.deployed	29/01/2024 16:35	DEPLOYED File	1 KB

Adding server to view the API :

Open workbench → click on Settings tab → click Add Server button.

API Framework Workbench Dashboard APIs Vocabulary Settings

Servers

[Add Server](#)

Active	Name	URL
<input type="radio"/>	TestWeb Server	http://localhost:9089/irf-provider-container
<input type="radio"/>	Default Server	http://127.0.0.1:8080
<input checked="" type="radio"/>	AccBalDetails	http://localhost:9089/AccountBalanceContainer

Amend Server

Name:

URL:

Checking the Deployed Services

API Framework Workbench Dashboard APIs Vocabulary Settings

Dashboard
Deployed Services

1 Domains

3 Endpoints

4 Services

3 APIs

other

CLICK - API docs

AcB-v1.0.0-swagger v1.0.0 [API docs](#)

party-accounts-AcB

GET /v1.0.0/party/accounts/{accountId}/balance

Swagger Supported by SMARTBEAR

http://localhost:9089/AccountBalanceContainer/api/v1.0.0/meta/apidocs/Acb-v1.0.0 Explore

AccountBalance v1.0.0

[Base URL: localhost:9089/AccountBalance/api/v1.0.0/]
http://localhost:9089/AccountBalanceContainer/api/v1.0.0/meta/apidocs/Acb-v1.0.0

AccountBalanceDetails

Schemes HTTP Authorize

default ▼

GET /party/accounts/{accountId}/balance Account Balance 🔒

default ▼

GET /party/accounts/{accountId}/balance Account Balance 🔒

Account Balance

Parameters Try it out

GET /party/accounts/{accountId}/balance Account Balance 🔒

Account Balance

Parameters Cancel

Name	Description
accountId * required	Identifier of the account. Often referred to as the account number, yet for consistency this is always referred to as accountId. Accepts both IBAN & BBAN
string (path)	
	120456

Execute Clear

Responses Response content type application/json

Curl

```
curl -X GET "http://localhost:9089/AccountBalance/api/v1.0.0/party/accounts/120456/balance" -H "accept: application/json"
```

Request URL

```
http://localhost:9089/AccountBalance/api/v1.0.0/party/accounts/120456/balance
```

Checking API in Postman:

Run postman → click '+' button → **paste your API link and add War filename in the link.**

Click **Send** → Response will be shown.

HTTP Save ⌵ 🔗 📄

GET ⌵ http://localhost:9089/CusAcBalContainer/api/v1.0.0/party/ws/800155 Send ⌵

Params **Authorization** ● Headers (7) Body Pre-request Script Tests Settings Cookies

If authentication(Basic Auth) error is found then **applicationContext.xml** file need to be changed.

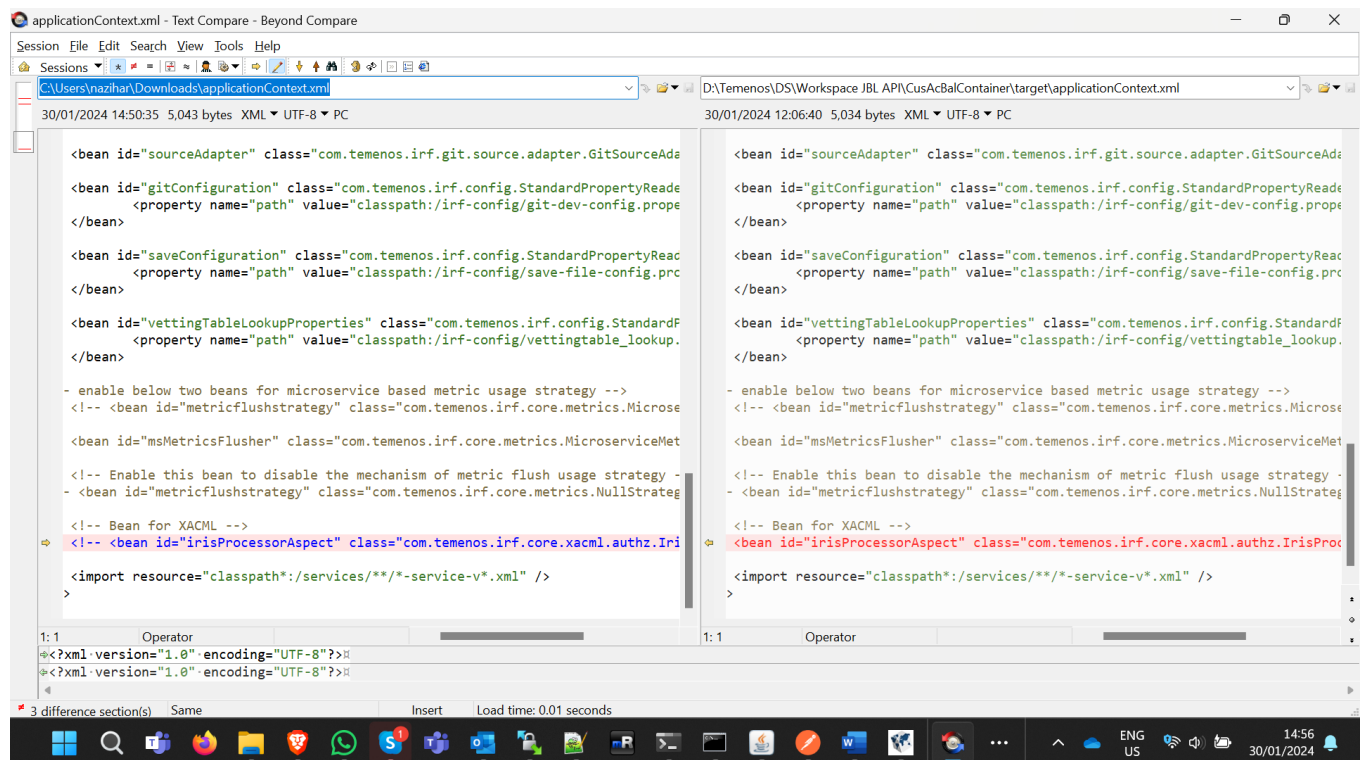
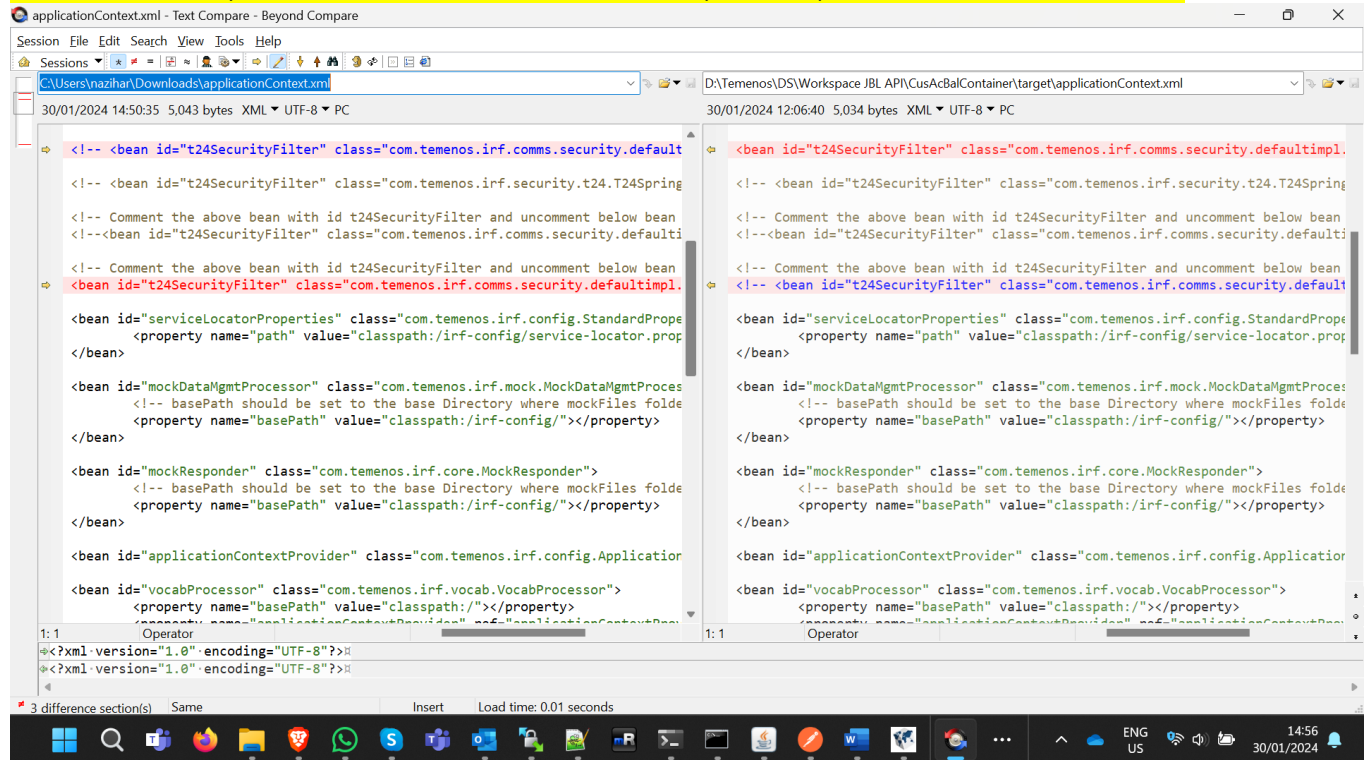
Commend out these lines:

```
<!-- <bean id="t24SecurityFilter" class="com.temenos.irf.comms.security.defaultimpl.NullBean" /> -->
```

```
<!-- <bean id="irisProcessorAspect" class="com.temenos.irf.core.xacml.authz.IrisProcessorXacmlAspect" /> -->
```

Uncomment:

```
<bean id="t24SecurityFilter" class="com.temenos.irf.comms.security.defaultimpl.T24BasicAuthenticationCheck" />
```



After changing and replacing the file in the war file it works!

Overview GET http://localhost:9089/C + No Environment

http://localhost:9089/CusAcBalContainer/api/v1.0.0/party/ws/800155 Save

GET http://localhost:9089/CusAcBalContainer/api/v1.0.0/party/ws/800155 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

☒ Postman-Token <calculated when request is sent>

☐ Host <calculated when request is sent>

Body Cookies Headers (9) Test Results 200 OK 12.33 s 1.49 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "header": {
3     "audit": {
4       "T24_time": 12045,
5       "responseParse_time": 1,
6       "requestParse_time": 271
7     },
8     "page_start": 1,
9     "page_token": "202104152599054588.01,99",
10    "total_size": 4,
11    "page_size": 99,
12    "status": "success"
13  },
14  "body": [
15    {
16      "accountId": "117258",
17      "clearedBalance": 9986222.5,
18      "displayName": "MD SHIBLI MOLLAH",
19      "workingBalance": 9186222.5,
20      "onlineActualBalance": 9986222.5,
21      "currencyId": "USD",
22      "categoryId": "Current Account",
23      "availableBalance": 9186222.5
24    },
25    {
26      "clearedBalance": 44993682.15,
27      "displayName": "MD SHIBLI MOLLAH",
28      "workingBalance": 44993682.15,
29      "onlineActualBalance": 44993682.15,
30      "currencyId": "USD",
31      "categoryId": "Current Account",
32      "availableBalance": 44993682.15
33    },
34    {
35      "accountId": "120456",
36      "clearedBalance": 999212.5,
37      "displayName": "SHIBLI SAVINGS",
38      "workingBalance": 999212.5,
39      "onlineActualBalance": 999212.5,
40      "currencyId": "USD",
41      "categoryId": "Staff Account",
42      "availableBalance": 999212.5
43    },
44    {
45      "accountId": "120464",
46      "clearedBalance": 998962.5,
47      "displayName": "MD SHIBLI",
48      "workingBalance": 998962.5,
49      "onlineActualBalance": 998962.5,
50      "currencyId": "USD",
51      "availableBalance": 998962.5
52    }
53  ]
54 }
```

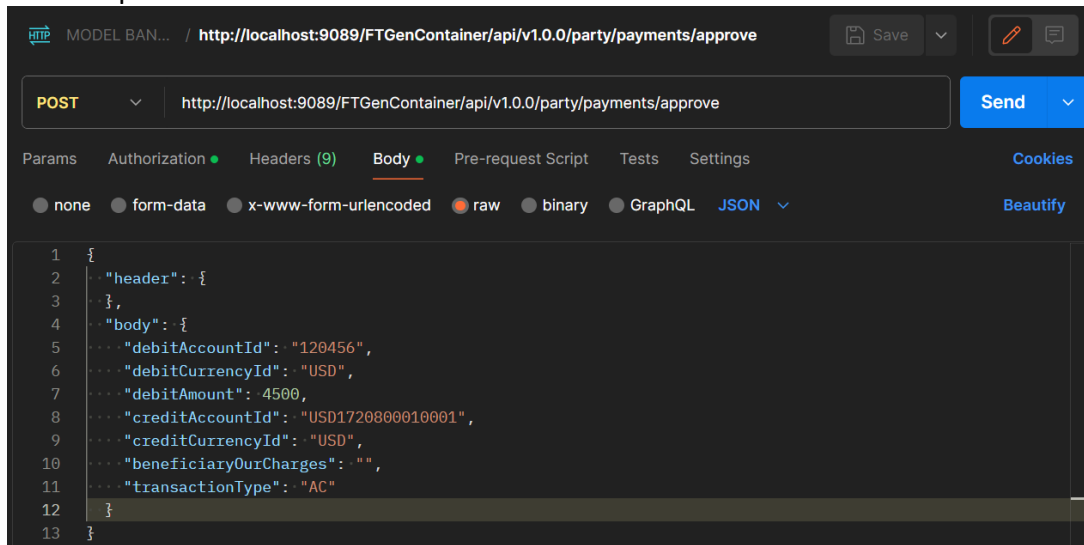
Response:

```
{
  "header": {
    "audit": {
      "T24_time": 12045,
      "responseParse_time": 1,
      "requestParse_time": 271
    },
    "page_start": 1,
    "page_token": "202104152599054588.01,99",
    "total_size": 4,
    "page_size": 99,
    "status": "success"
  },
  "body": [
    {
      "accountId": "117258",
      "clearedBalance": 9986222.5,
      "displayName": "MD SHIBLI MOLLAH",
      "workingBalance": 9186222.5,
      "onlineActualBalance": 9986222.5,
      "currencyId": "USD",
      "categoryId": "Current Account",
      "availableBalance": 9186222.5
    },
    {
      "accountId": "120448",
      "clearedBalance": 44993682.15,
      "displayName": "MD SHIBLI MOLLAH",
      "workingBalance": 44993682.15,
      "onlineActualBalance": 44993682.15,
      "currencyId": "USD",
      "categoryId": "Current Account",
      "availableBalance": 44993682.15
    },
    {
      "accountId": "120456",
      "clearedBalance": 999212.5,
      "displayName": "SHIBLI SAVINGS",
      "workingBalance": 999212.5,
      "onlineActualBalance": 999212.5,
      "currencyId": "USD",
      "categoryId": "Staff Account",
      "availableBalance": 999212.5
    },
    {
      "accountId": "120464",
      "clearedBalance": 998962.5,
      "displayName": "MD SHIBLI",
      "workingBalance": 998962.5,
      "onlineActualBalance": 998962.5,
      "currencyId": "USD",
      "categoryId": "Savings Acct",
      "availableBalance": 998962.5
    }
  ]
}
```

VERSION - POST

Api creation and war file creation is almost same as the process for ENQUIRY.

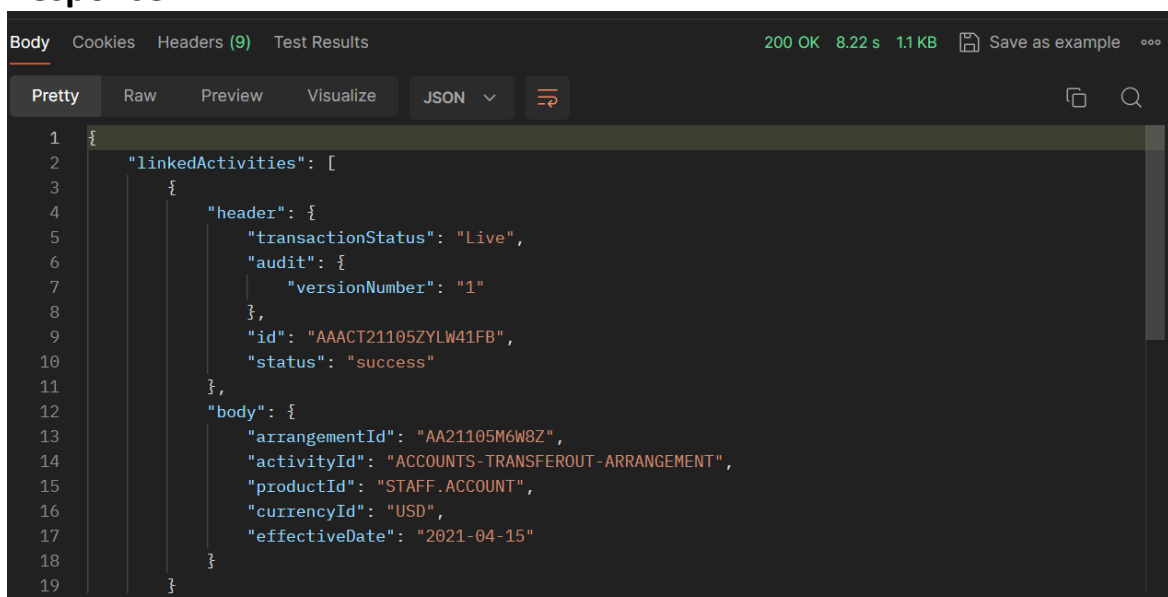
POST request format:



Body:

```
{
  "header": {
  },
  "body": {
    "debitAccountId": "120456",
    "debitCurrencyId": "USD",
    "debitAmount": 4500,
    "creditAccountId": "USD1720800010001",
    "creditCurrencyId": "USD",
    "beneficiaryOurCharges": "",
    "transactionType": "AC"
  }
}
```

Response:



```

],
"header": {
  "transactionStatus": "Live",
  "audit": {
    "T24_time": 8209,
    "responseParse_time": 4,
    "requestParse_time": 2,
    "versionNumber": "1"
  },
  "id": "FT21105RT0MY",
  "status": "success"
},
"body": {
  "transactionType": "AC",
  "debitCurrencyId": "USD",
  "processingDate": "2021-04-15",
  "creditCurrencyId": "USD",
  "debitAccountId": "120456",
  "debitAmount": 4500,
  "creditAccountId": "USD1720800010001"
}
}

```

Orchestration

Question: Creating orchestration for FT and Account

Requirement : After Authorization of FT(version), The enquiry which shows the debit Account Id's Available balance

Step 1:

Choose the artefacts in the workbench and generate the zip file.

Enquiry : FUNDS.TRANSFER,FT.API.GENERIC.1.0.0

Version : PZ.API.ACCOUNTS.BALANCE.1.0.0

API Definition

Title	FTOrch	Key	mb-api
Description	FTOrchestration	Only Alphabetic characters are allowed	
Version	v1.0.0	Schemes	https http
Base Path	/api	Host	localhost:9089

API Endpoints

Path	/payments/approve
HTTP Method	POST
Operation	createFundsTransfer
Operation Security	Public
Target	FUNDS.TRANSFER,FT.API.GENERIC.1.0.0
Target Type	Screen

Path	/accounts/{accountId}/balance
HTTP Method	GET
Operation	getAccountBalance
Operation Security	Public
Target	PZ.API.ACCOUNTS.BALANCE.1.0.0
Target Type	Query

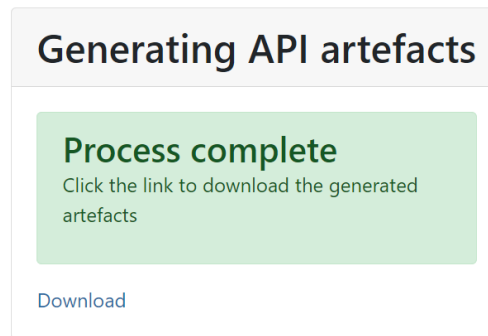
Inventory

```
{
  "paths": [
    {
      "method": "POST",
      "url": "/party/payments/approve",
      "function": "input",
      "tags": [],
      "operationId": "createFundsTransfer",
      "operationSecurity": "Public",
      "resources": [
        {
          "key": "FUNDS.TRANSFER,FT.API.GENERIC.1.0.0",
          "resourceType": "Screen",
          "consentManaged": false
        }
      ],
      "properties": {
        "clientType": "INTERNAL",
        "isBulk": false,
        "deprecated": false
      }
    },
    {
      "method": "GET",
      "url": "/party/accounts/{accountId}/balance",
      "tags": [],
      "operationId": "getAccountBalance",
      "operationSecurity": "Public",
      "resources": [
        {
          "key": "PZ.API.ACCOUNTS.BALANCE.1.0.0",
          "resourceType": "Query",
          "consentManaged": false,
          "selections": [
            {
              "field": "ACCOUNTREFERENCE",
              "param": "accountId",
              "operand": "EQ",
              "required": "",
              "type": "string"
            }
          ]
        }
      ],
      "properties": {
        "clientType": "INTERNAL",
        "isBulk": false,
        "deprecated": false
      }
    }
  ],
  "version": "v1.0.0",
  "title": "FTOrch",
}
```

```

    "description": "FTOrchestration",
    "key": "mb-api",
    "schemes": [
      "http",
      "https"
    ],
    "basepath": "/api",
    "host": "localhost:9089"
  }
}

```



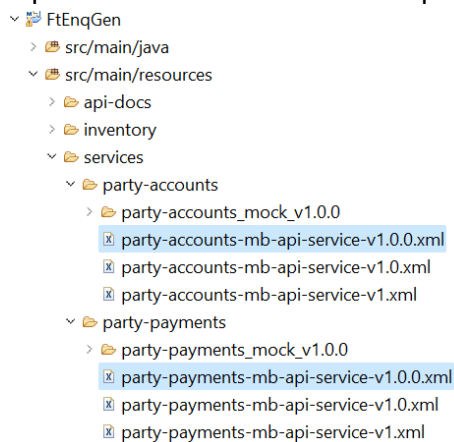
Step 2:

Extract the zip file and place it in the new service project.

src -> main -> resources

Step 3:

Open the service xml file in the project.



Step 4:

Open the **xml file** and write the below code under the **t24 VERSION** processor line in the xml file.

```

<choice>
  <when>
    <simple>${headers.CamelHttpResponseCode} == 200</simple>
    <setHeader headerName = "debitAccountId" >
      <camel:jsonpath>$.body.debitAccountId</camel:jsonpath>
    </setHeader>
    <to uri="direct-vm:party-accounts.v1.0.0.getAccountBalance" />
  </when>
</choice>

```


Above xml file is for **VERSION**. Here I am passing debitAccountId field to the **ENQUIRY** as selection field.

Open the ENQUIRY xml file:

Here we are Mapping the **debitAccountId** to the selection field. (Here we passing **headerName** which is written in the version xml file)

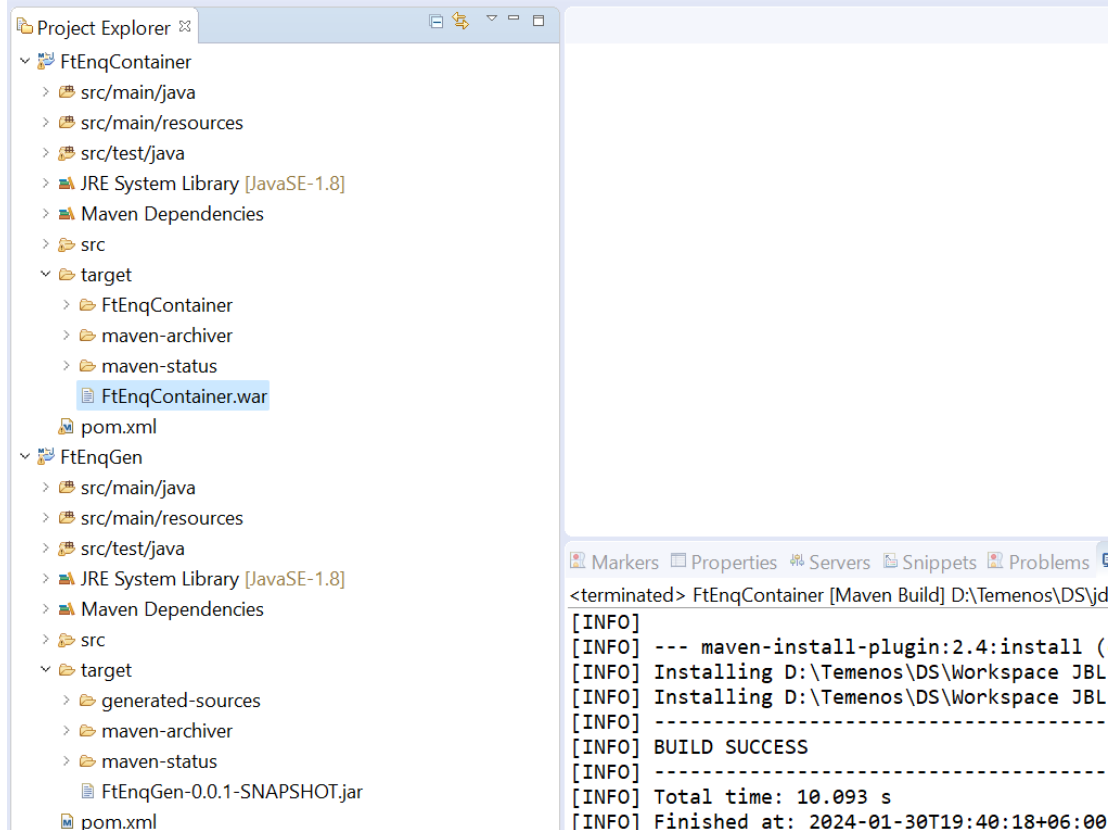
Edit this line: `<constant>ACCOUNTREFERENCE EQ {debitAccountId}</constant>`



Step 5:

Right click on both project and Container **RunAs**-> Maven clean & Install.




Jar file is created in the **service project** & **war file** is created in the **container project**.







Step 6:


Deploy the war file in JBoss.


Add the server in the workbench.



 FtEnqContainer <http://localhost:9089/FtEnqContainer>

API Framework Workbench [Dashboard](#) [APIs](#) [Vocabulary](#) [Settings](#)

 1 Domains  6 Endpoints  7 Services  3 APIs

 other

 mb-api-v1.0.0-swagger v1.0.0 [API docs](#)

 party-payments-mb-api  party-accounts-mb-api

[POST /v1.0.0/party/payments/approve](#) [GET /v1.0.0/party/accounts/{accountId}/balance](#)

<http://localhost:9089/FtEnqContainer/api/v1.0.0/party/payments/approve>

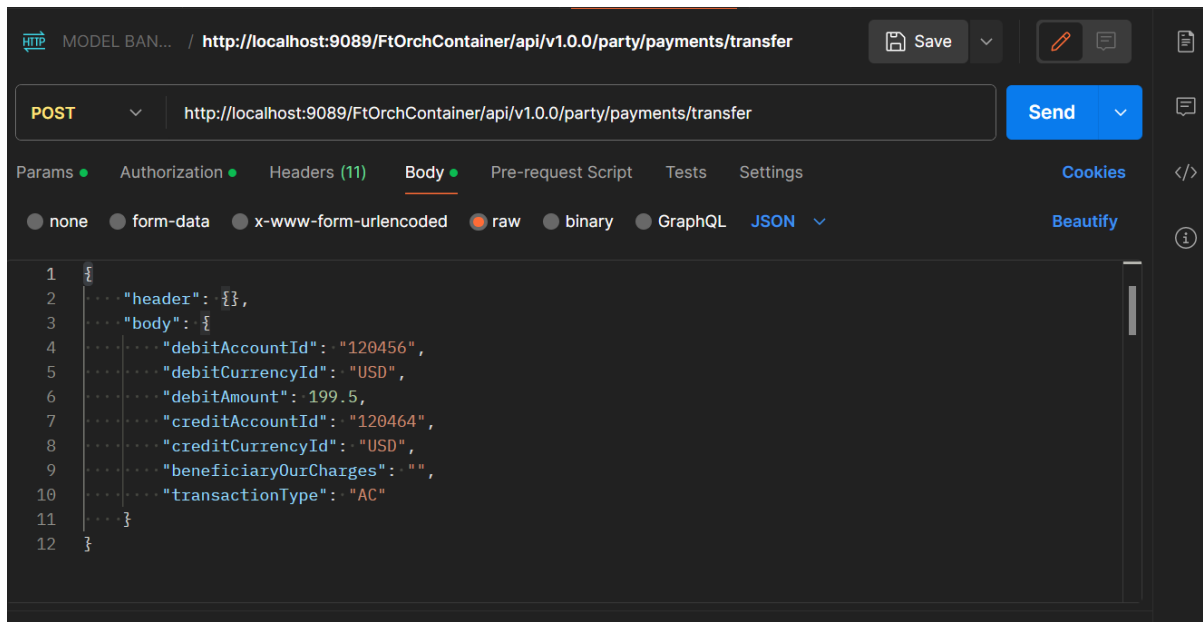
Special Note: If Authorization issue occurs then we need to update the **service xml**



LATESTparty-payments-orc-api-service-v1.0.0.xml

```
<setProperty propertyName="validate_only">
  <header>true</header>
</setProperty>
  <setProperty propertyName="userDetails">
    <header>Authorization</header>
  </setProperty>
    <setProperty propertyName="function">
      <constant>validate</constant>
    </setProperty>
  <process ref="t24VersionProcessor"/>
  <choice>
    <when>
      <simple>${headers.CamelHttpStatusCode} == 200</simple>
      <setHeader headerName="accountId">
        <camel:jsonpath suppressExceptions="true">$.body.debitAccountId</camel:jsonpath>
      </setHeader>
      <setHeader headerName="Authorization">
        <camel:exchangeProperty>userDetails</camel:exchangeProperty>
      </setHeader>
      <to uri="direct-vm:party-accounts.v1.0.0.getAcBalance" />
    </when>
  </choice>
</route>
```

Step 7: Check it in POSTMAN



Response:

