Introduction

Release 6.2 provides a cool feature called Triggers allowing 3rd party applications to synchronize with Dollar Universe, by notify events to a node, and trigger automatically job flows as a response to those events.

Here is another solution to interact with Dollar Universe from jobs running on a z/OS environment. On z/OS, this can be done with a REXX program. This sample does not require any additional software the MVS environment. It does not implement HTTPs,

The program executes 3 steps:
- log on to Dollar Universe and get the authentication token,
- send the event
- get the first launch number (if a task has been submitted).
- log off from Dollar Universe

Note: HTTP body responses returned by Dollar Universe are JSON structures. There is no JSON parser on MVS.

Contents of the package

This package contains 2 files to be executed on z/OS (MVS):
- A REXX program named SNDEVTRX. It is a simple program that sends an event to a Dollar Universe node.
- JCL named SNDEVT to execute the program SNDEVTRX. This JCL sends the event named ENDOFCHAIN with a property named RETCODE.

How to use the package?

1- Unzip the package on Windows or Unix.

2- Transfer to z/OS
Since the files are executed in MVS, they must be transferred to the z/OS host via FTP in ASCII mode.

3- Customize the files
Edit the JCL **SNDEVT** and update:

- the variables HOST, PORT, EVTTYPE and the name and value of its property (PROP and VALUE)
- the DSN SYSEXEC of the program IRXJCL: replace EFE.DEV.JCL with the appropriate DSN
- the JOB card, if required

Edit the file **SNDEVTRX** and update:
the variables UVUser and UVPwd to a valid Univiewer user. Check that this user can send events to Dollar Universe.
the variable area to target the environment of the Dollar Universe node (A for Application, I for

Integration, S for Simulation or X for Production).

4- Execute the JCL SNDEVT with JES/2
Check information and error messages in the data set SYSTSPRT of the job.

Example

Here are an example of HTTP messages (requests/responses) exchanged between the REXX program and Dollar Universe:

Step 1: Logon

```
GET /access HTTP/1.1
host:192.168.9.75
user:fiona
pwd:sEcrEt

HTTP/1.1 200 OK
Date: Fri, 04 Apr 2014 11:22:14 GMT
Content-Length: 93
Content-Type: application/json
Pragma: no-cache
Cache-Control: no-cache,no-store,must-revalidate
Expires: 0


{
"status": "success",
"data": [{
"token": "3bbce270-bbeb-11e3-a46c-671c8d8c4c15"
}]
}
```

Step 2: Send the event

```
POST /event HTTP/1.1
Host:192.168.9.75
Content-Length:27
Content-Type:Text/plain
Authorization:3bbce270-bbeb-11e3-a46c-671c8d8c4c15

type=ENDOFCHAIN
RETCODE=16

HTTP/1.1 200 OK
Date: Fri, 04 Apr 2014 11:22:14 GMT
Content-Length: 95
Content-Type: application/json
Pragma: no-cache
Cache-Control: no-cache,no-store,must-revalidate
Expires: 0


{
"status": "success",
"data": [{
```

```
"trigger": "DEMO2",
"launch_number": "0000024"
}]
}
```

Step 3: Log off

```
DELETE /access?token=3bbce270-bbeb-11e3-a46c-671c8d8c4c15 HTTP/1.1
```