# **Assignment:** Snap-in Development Challenge Submission

## Step 2: Creating a Snap-in

## Creation and installation of 'Hello World' Snap-in

This snap-in is responsible for monitoring the creation of work items, and each time a new work item is generated, it logs a message.

- 1. Install DevRev CLI
- 2. Install jq
- 3. Logging in to DevRev for authentication running following code in cmd prompt devrev profiles authenticate -o <dev-org-slug> -u <youremail@yourdomain.com>

C:\Users\hp>devrev profiles authenticate -o shreenidhi -u 4nm20is138@nmamit.in https://auth.devrev.ai/authorize?access\_type=offline&audience=janus&client\_id=o4o4fpnvdAeisRnmkxOrZZ2Wt5wvzyGB&organization=org\_Idn7Y3TcmmgDzSi5&redirect\_uri=http%3A%2F%2Flocalhost%3A3000&response\_type=code&scope=openid+profile+email+offline\_access&state=uDDWitZO9w88APQ-wKYJFPvfz7h6fhll5yl0jCnIFSvlTAa1w\_wWjY8LOTZOS9Ya2bqvYajAlfyoFtc-DTdmlw%3D%3D

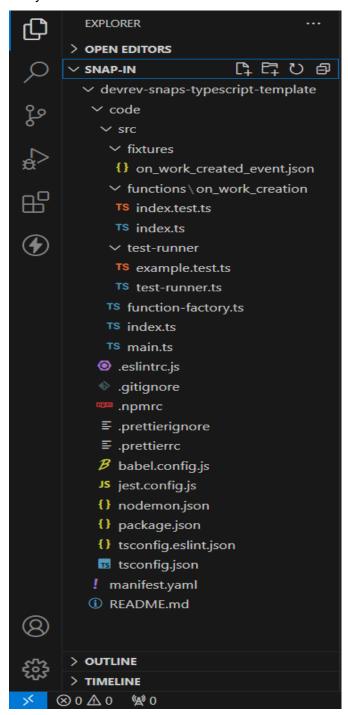
on successful authentication the following window is displayed



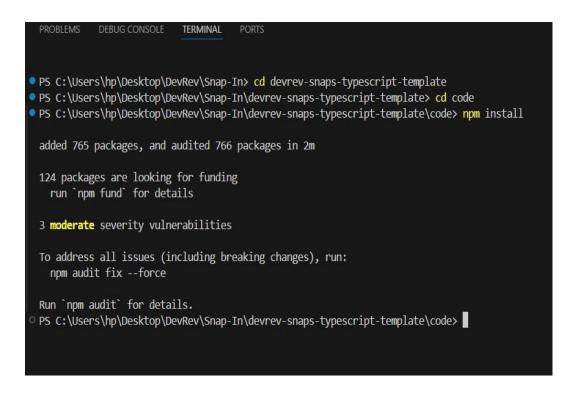
4. Initializing a snap-in template by running the following in cmd prompt devrev snap\_in\_version init

C:\Users\hp\Desktop\DevRev\Snap-In>devrev snap\_in\_version init
Snap-in initialized successfully

After the command runs, a new folder devrev-snaps-typescript-template is created in the filesystem.



- 5. Navigate to code within devrev-snaps-typescript-template and run the following
  - npm install



#### npm run bluid

```
    PS C:\Users\hp\Desktop\DevRev\Snap-In\devrev-snaps-typescript-template\code> npm run build

            devrev-snaps-typescript-template@1.0.0 build
            rimraf ./dist && tsc

    PS C:\Users\hp\Desktop\DevRev\Snap-In\devrev-snaps-typescript-template\code>
```

### npm run package

```
PS C:\Users\hp\besktop\DevRev\Snap-In\devrev-snaps-typescript-template\code> npm run package
> devrev-snaps-typescript-template@i.0.0 prepackage
> npm run build

> devrev-snaps-typescript-template@i.0.0 build
> rimraf ./dist && tsc

> devrev-snaps-typescript-template@i.0.0 package
> tar -cvzf build.tar.gz dist package.json package-lock.json .npmrc

dist
a dist/function-factory.d.ts
a dist/functions
a dist/functions
a dist/functions
a dist/functions
a dist/index.d.ts
a dist/index.d.ts
a dist/index.js
a dist/index.js
a dist/test-runner/example.test.d.ts
a dist/test-runner/example.test.js
a dist/test-runner/test-runner.js
a dist/test-runner/test-runner.js
a dist/test-runner/test-runner.js
a dist/functions/on_work_creation/index.d.ts
a dist/functions/on_work_creation/index.d.ts
a dist/functions/on_work_creation/index.test.d.ts
a dist/functions/on_work_creation/index.test.d.ts
a dist/functions/on_work_creation/index.test.d.ts
a dist/functions/on_work_creation/index.test.d.ts
a dist/functions/on_work_creation/index.test.js
a package.json
a package.json
a package.json
bright Template\code>
```

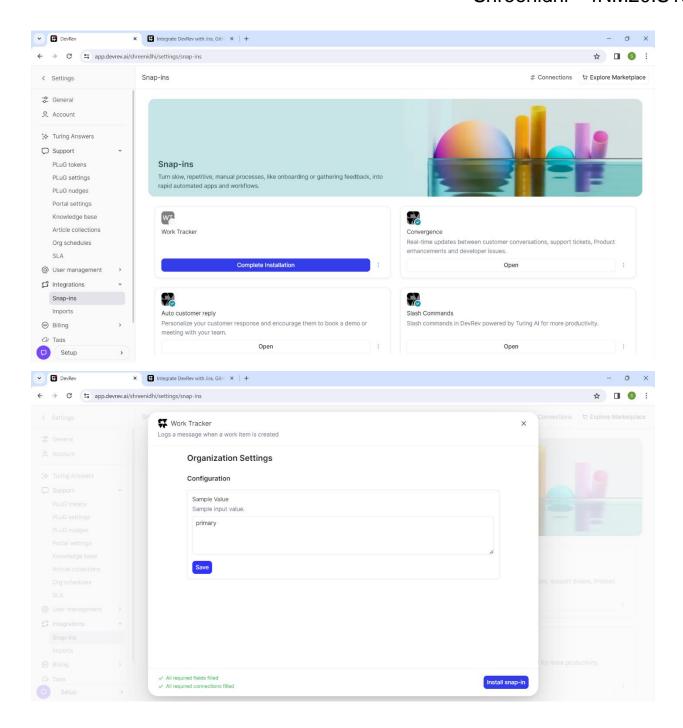
- 6. Make changes in code according to the requirements and save all the changes.
- 7. Creating the snap-in package by running a following in cmd prompt devrev snap\_in\_package create-one --slug my-first-snap-in | jq .

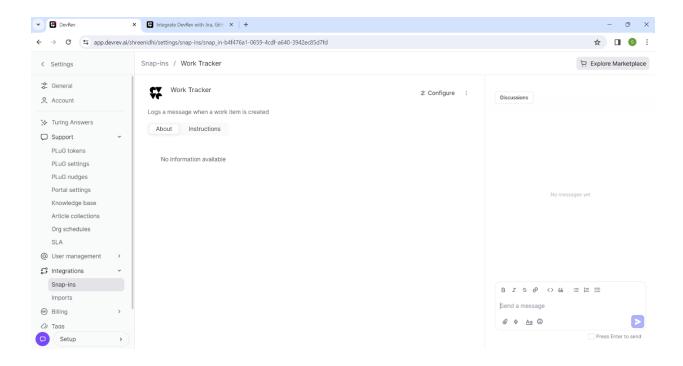
- 8. Creating the snap-in version by running the following in cmd prompt devrev snap\_in\_version create-one --path ./devrev-snaps-typescript-template | jq .
- 9. Installing the snap-in from a snap-in version is done running following in cmd prompt devrev snap\_in draft

```
C:\Users\hp\Desktop\DevRev\Snap_In Graft

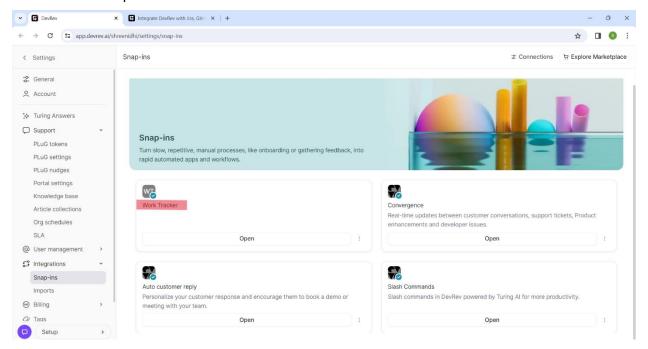
{"snap_in":{"automations":{"aname":"handle-work-created-event"}], "created_by":{"type":"dev_user", "display_handle":"4nm20is138", "display_id":"DEVU-1", "idsplay_name":"handle-work-created-event"}], "created_by":{"type":"dev_user.idevo/1\tullfpcc:devu/1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:dev_1", "id_v!":"don:DEV-1\tullfpcc:snap_in/2a7f21cb-0997-4d10-b568-fcb14587d291", "event_sources":[{"name":"devrev-event-source*}], "id":"don:integration:dvrv-us-1:devo/1\tullfpcc:snap_in/2a7f21cb-0997-4d10-b568-fcb14587d291", "id_v!":"don:DEV-1\tullfpcc:snap_in/2a7f21cb-0997-4d10-b568-fcb14587d291", "id_v!":"don:DEV-1\tullfpcc:snap_in/2a7f21cb-0997-4d10-b568-fcb14587d291", "inputs-1:{\taname*:"sample_value*:"primary*}], "inputs-schema*:
[{"field_type:"text", "default_value*:"primary", "description":"Sample input value.", "nime:"sample_value", "value:"primary", "description":"sample_value-"primary:"| "dever-card", "elements":[{"block_id":"Work Tracker_form_action*, "action_id":"Work Tracker_form_action*, "action_type":"remote*, "antital_value":"primary", "multitaline":true, "penents", "block_id":"sample_value"."primary:", "multitaline":true, "penents", "type":"primary:", "type:":nput_aloue":"primary:", "dever-form_submit_action*, "action_id":"bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_id":"Bock_i
```

10. Install the snap-in on dev org



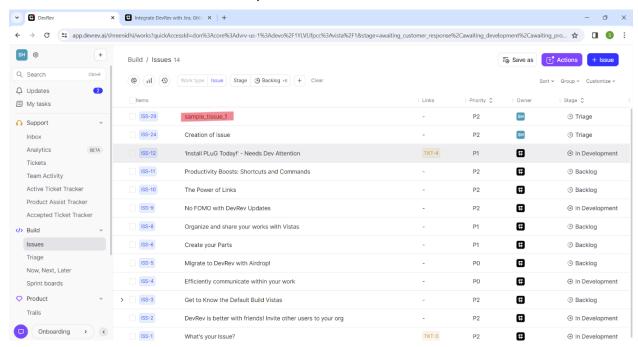


Created new snap-in Work Tracker is shown as below:

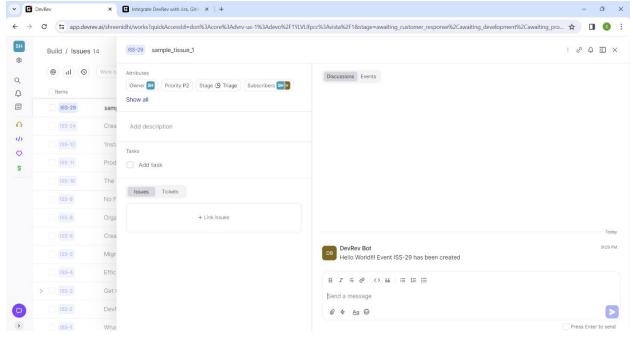


11. To check if the created snap-in is working, create a sample issue and ticket in dev org, after the creation run the following code in cmd prompt devrev snap\_in\_package logs --after "2023-06-06T00:00:00Z" | jq

- i. Checking the working of snap-in using sample issue:
  - · Creation of sample issue



### The 'Hello world' message is sent as below:



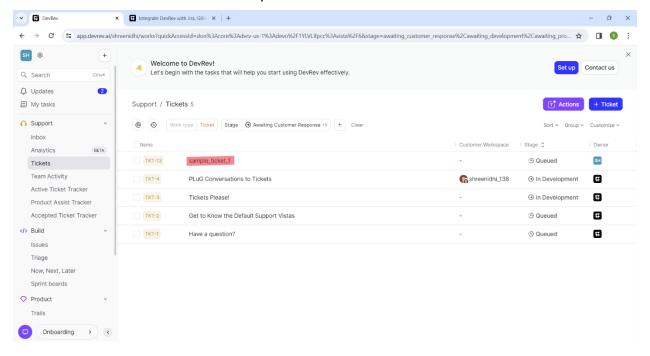
Checking in logs
On running the following command

devrev snap\_in\_package logs --after "2024-04-06T00:00:00Z" | jq

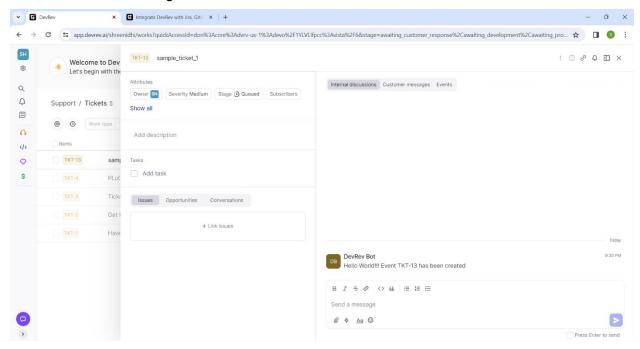
### the log of newly created issue is shown as below

```
| Tevel | Sinfo | Sinf
```

- ii. Checking the working of snap-in using sample ticket:
  - Creation of sample ticket



The 'Hello world' message is sent as below:



Checking in logs
On running the following command

devrev snap\_in\_package logs --after "2024-04-06T00:00:00Z" | jq

the log of newly created ticket is shown as below

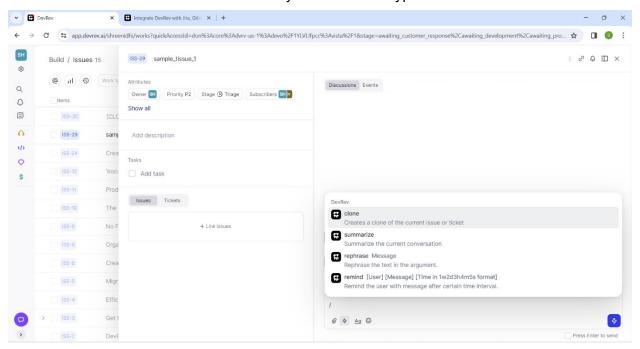
```
| CANNOOMYOUTEMPRICATE | CANNOOMYOUTEMPRICATE
```

## **Problem Statements that were executed using Snap-In are:**

- 1. Command to clone a work item (issue/ticket).
- Auto-Reply to a message if it is outside office hours. The start and end time for office hours can be specified in the input. The auto-reply message can also be taken as an input.

#### Solutions:

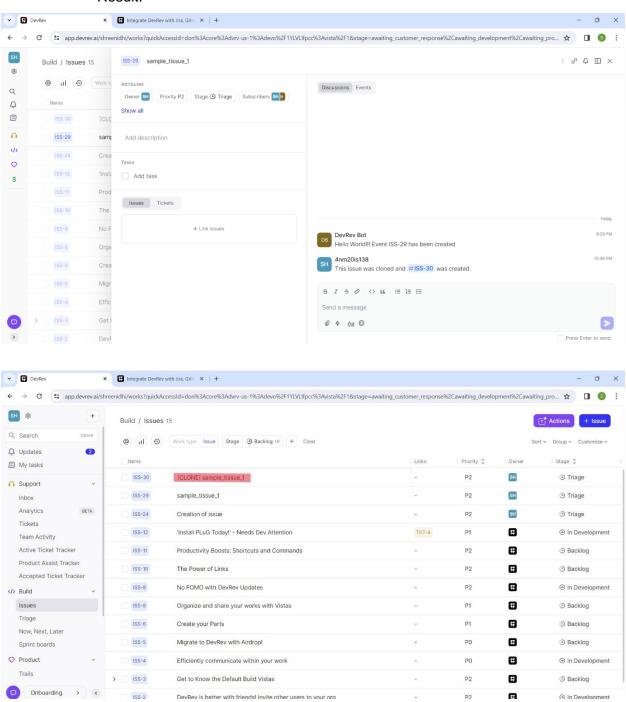
- 1. Command to clone a work item (issue/ticket).
  - Configure the snap-in in setting
  - Deploy the Snap-in
  - Within the discussions of any ticket or issue type '/' and select clone command



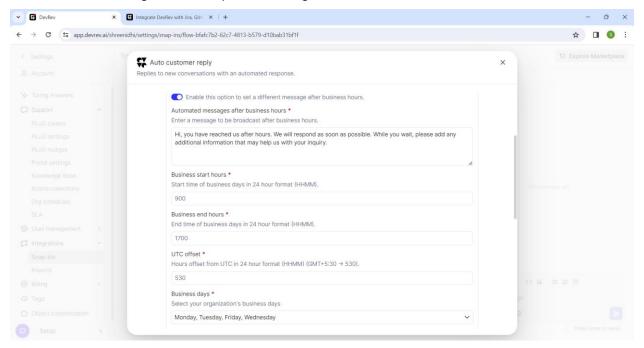
After selecting the clone command enter the id of ticket or issue to be cloned



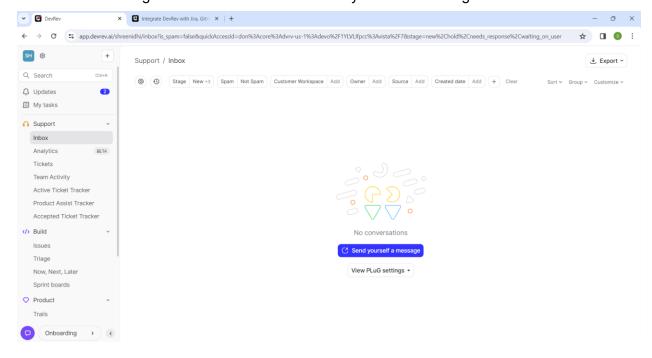
#### Result:



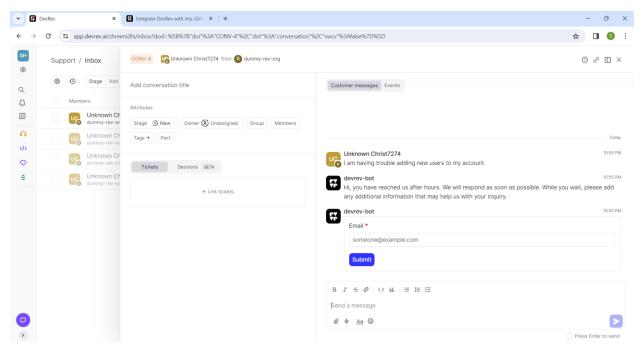
- 2. Auto-Reply to a message if it is outside office hours. The start and end time for office hours can be specified in the input. The auto-reply message can also be taken as an input.
  - Configure the snap-in in setting



- Deploy the Snap-in
- Navigate to inbox and click on 'send yourself a message'



#### • Result:



\*\*\*\*\*