

PUBLIC

Configuration Instructions

**SAP Business Network Material Traceability
enhanced for Catena-X Notifications – Create DSI
Assets, Policies and Contracts**

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Disclaimer

The integration flows/integration package provided herein are intended to serve as an intermediate solution. Please be advised that, at a later point in time, the functionalities of the iflow may have a successor functionality, resulting in the deprecation of these iflows and restricted support. Advanced information will be given to consumers before the deletion of these iflows.

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Introduction

This document is a step-by-step instruction on how to create the DSI Assets, Policies and Contract Definitions. Please finish steps in document **Configuration Instructions - Notification v1.0.0** first before working on steps in this document.

Configuration Step-by-Step

Note: Obtain the **name space** from your SAP Catena-X team, please ensure that this **name space** matches the name that is defined in the following Policies, if they are different, please update so that they match

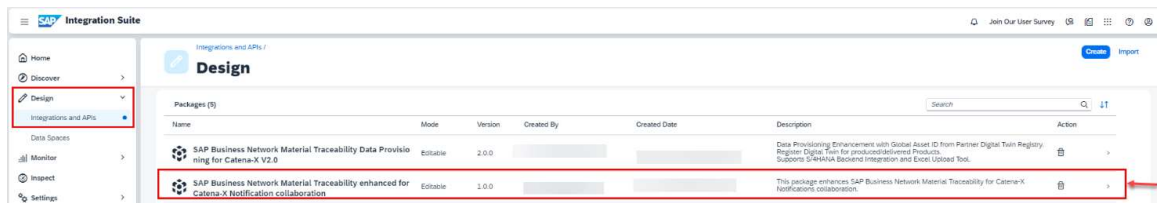
- Membership
- FrameworkAgreement.traceability

Please follow these instructions to set up all DSI Assets, Policies and Contract Definitions.

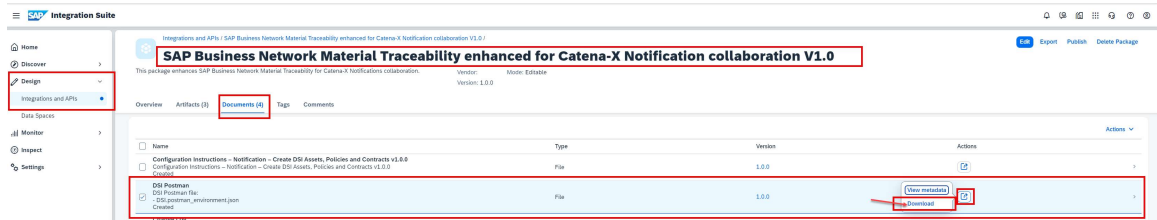
Create DSI Assets, Policies and Contract Definitions

1. Download DSI Postman environment and collection files

- 1.1. From **Integration Suite** → **Design** → **Integrations and APIs**, select package **SAP Business Network Material Traceability enhanced for Catena-X Notification collaboration**



- 1.2. On **SAP Business Network Material Traceability enhanced for Catena-X Notification collaboration V1.0** page, select **Document** tab, then select **Actions** → **Download** for DSI Postman



- 1.3. DSI-Postman.zip file should be downloaded to your local folder



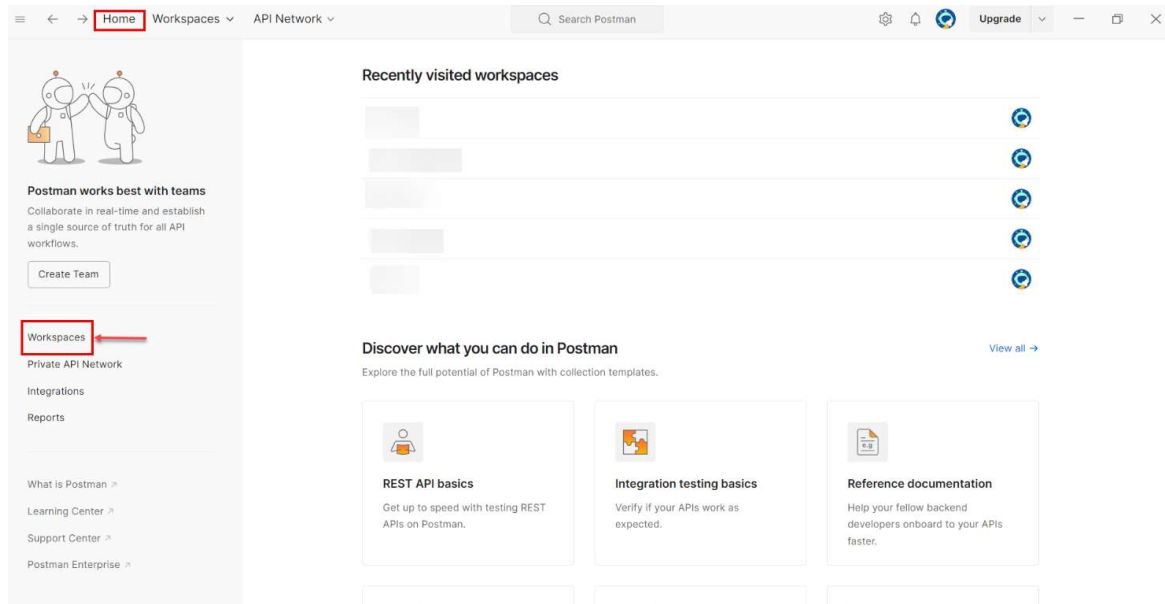
- 1.4. Unzip DSI-Postman.zip file with any archive app, for example: WinRAR, you should see following file unzipped:

 DSI.postman_collection.json

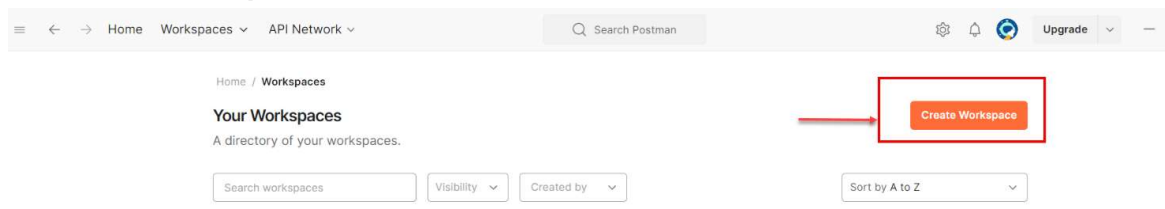
- 1.5. Save the file which will be used in Postman setup in later steps

2. Create a workspace as following if you do not already have one:

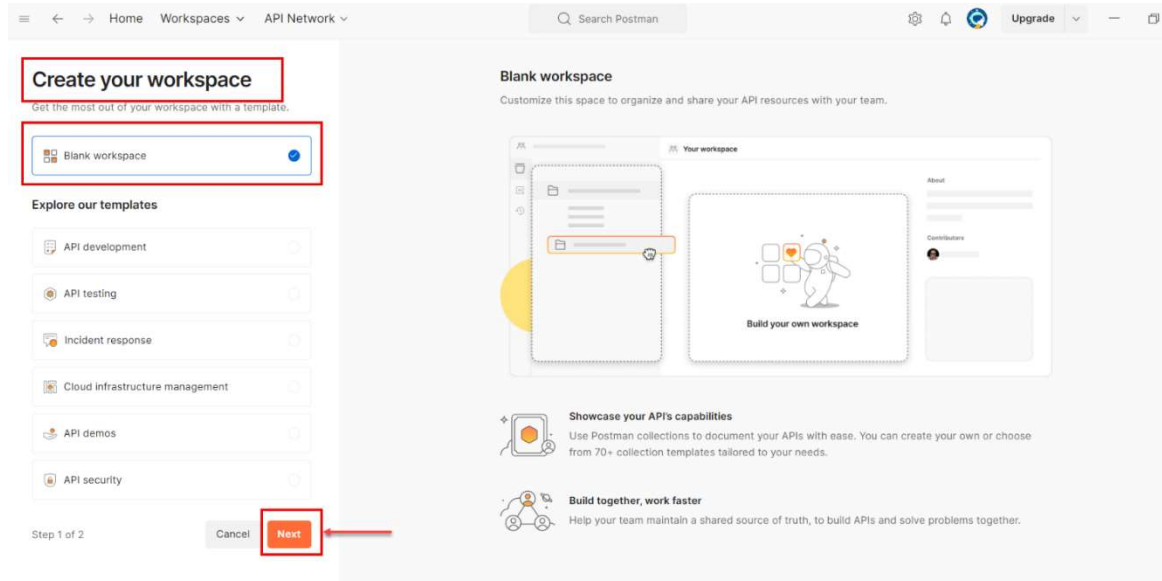
2.1. From Postman, select **Home** → **Workspaces**



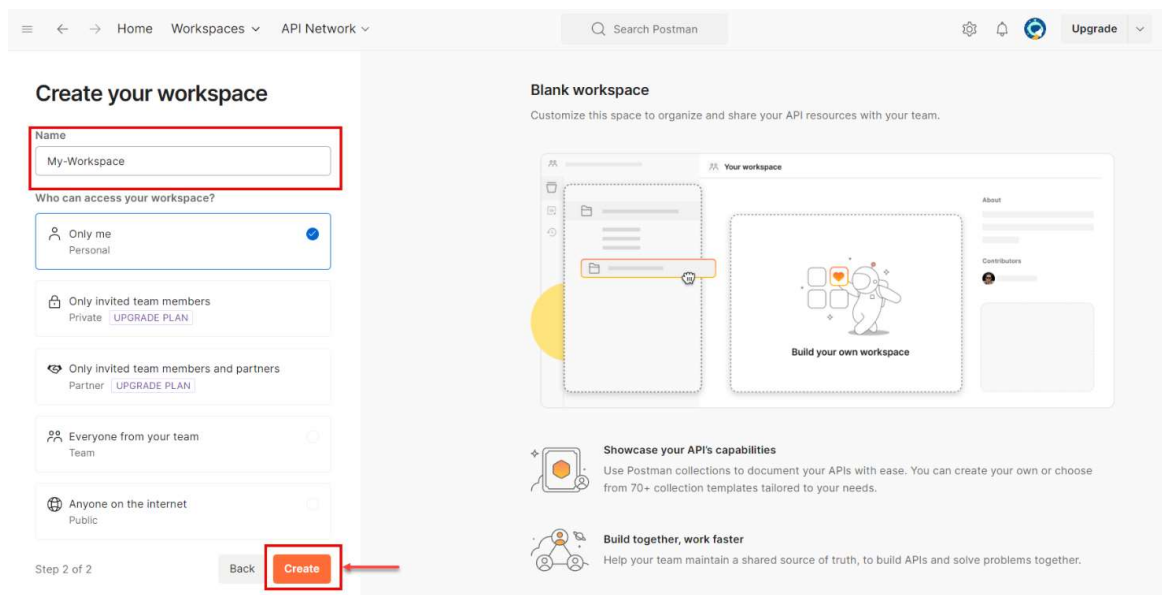
2.2. Select **Create Workspace** button



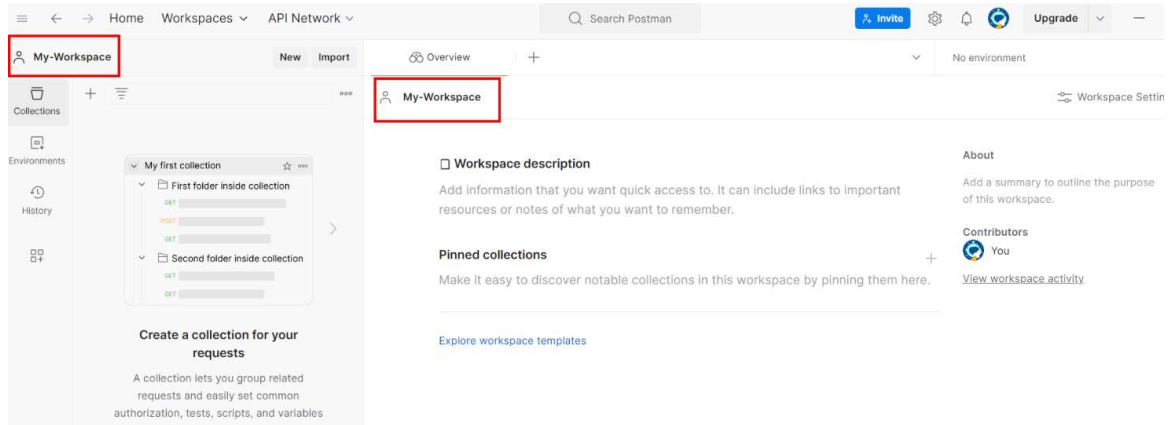
2.3. On **Create your workspace** page, select **Blank workspace**, then select **Next** button



2.4. Enter a meaningful **Name** for your workspace, for example My-Workspace, accept all default values and then select **Create** button

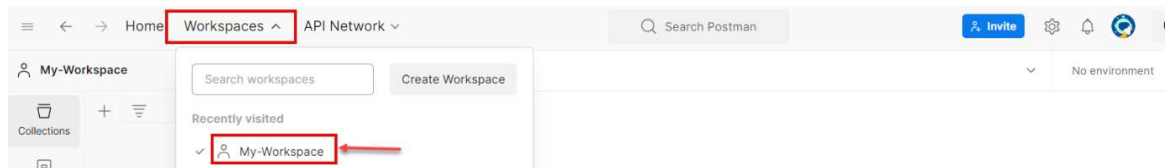


2.5. Workspace (for example: My-Workspace) created

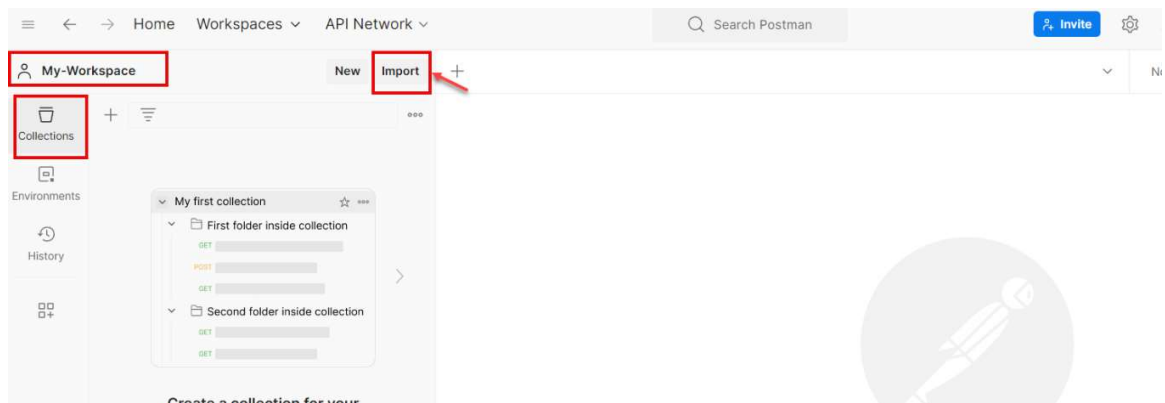


3. Import postman collection file (Ask SAP Catena-X team for this file if you do not already have it)

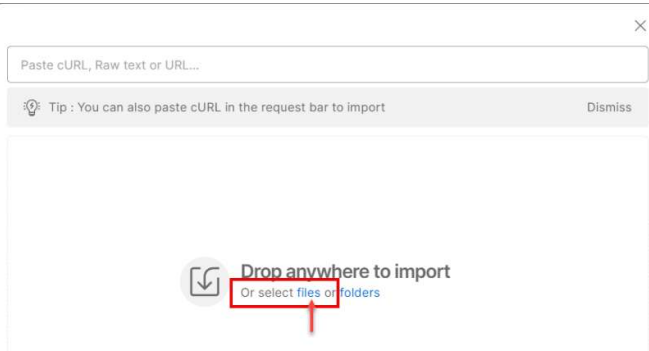
3.1. From postman, choose your workspace (for example: My-Workspace) from **Workspaces** drop-down



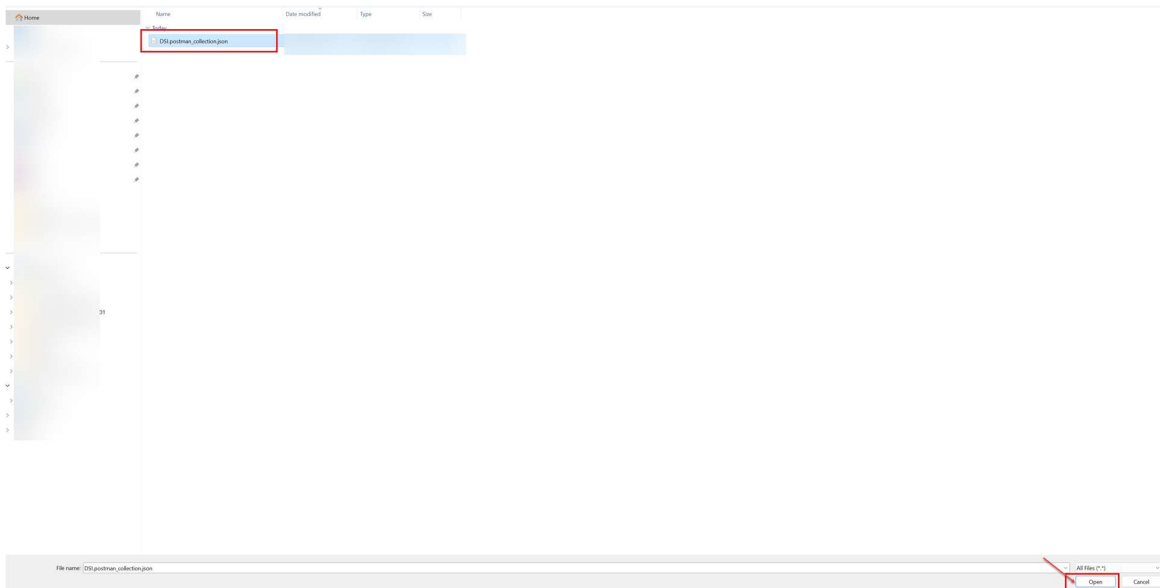
3.2. Within your workspace (for example: My-Workspace), select **Collections** on left side and then **Import** button



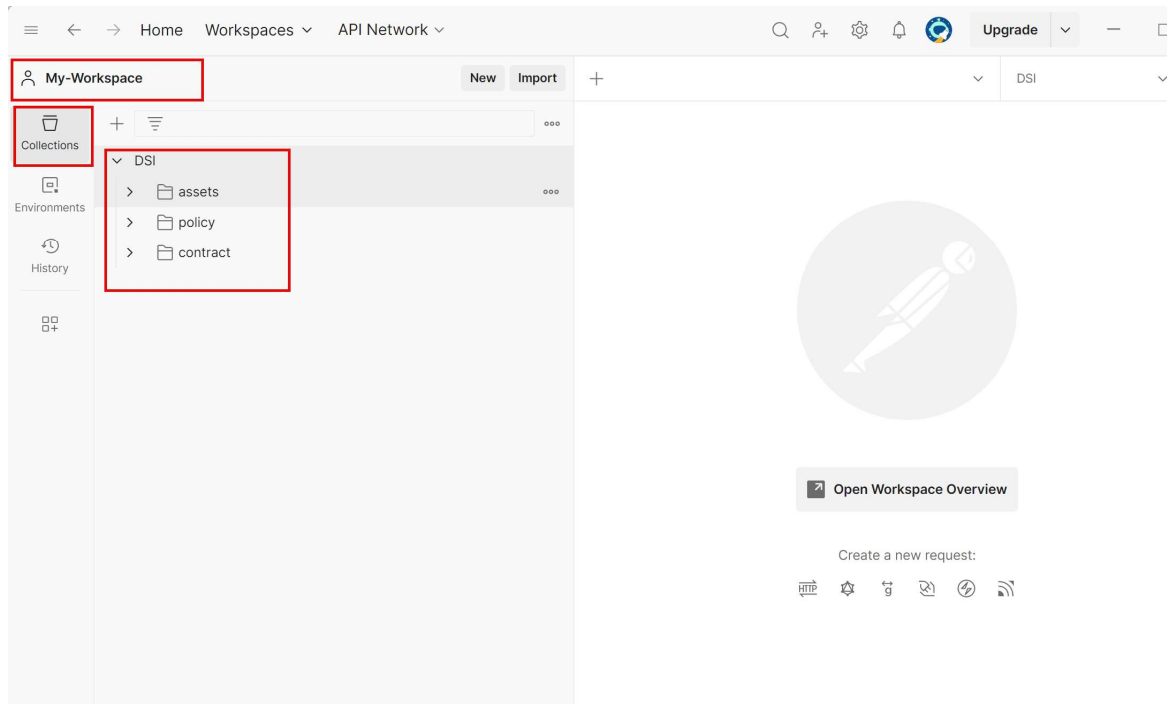
3.3. On popup window, select **files** link



3.4. On popup window explorer, find **DSI.postman_collection.json** file in local folder of your computer, then select **Open** button

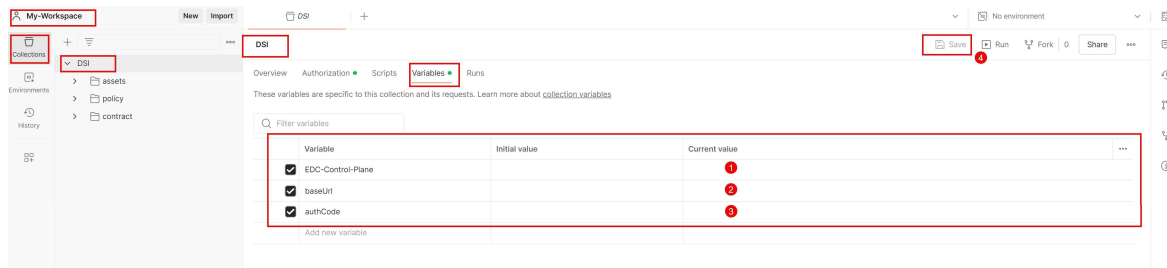


3.5. DSI collection file imported to your workspace (for example: My-Workspace)



4. Configure Variables

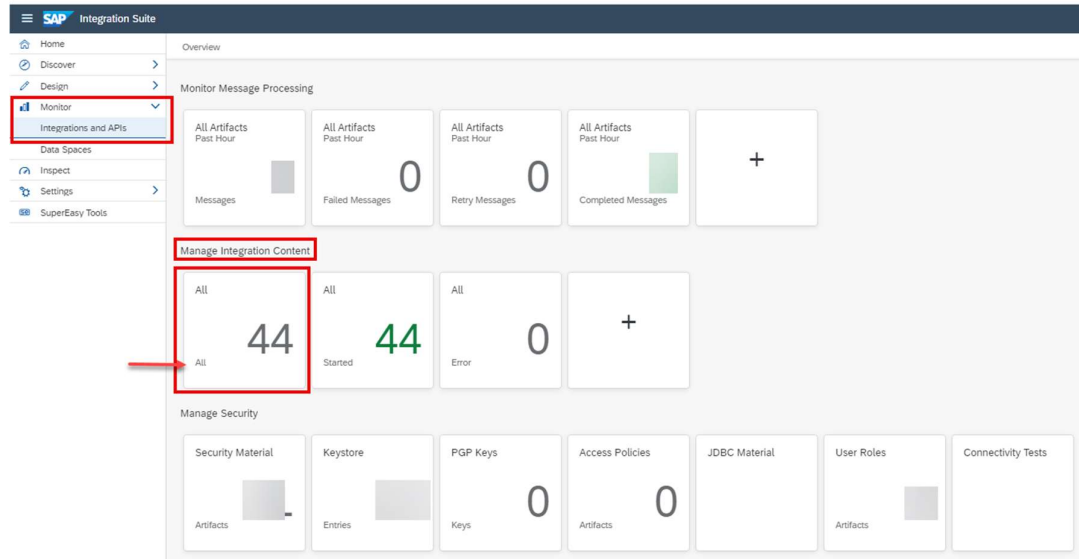
4.1 From postman, in your workspace (for example: My-Workspace), select **Collections** tab on the left side and choose your collection (for example: **DSI**), then choose **Variables** tab enter following information to **Current value column** and then select **Save** button:



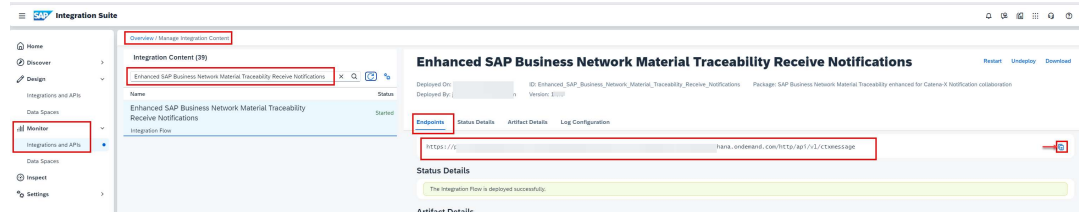
(1) **EDC-Control-Plane**: This is your DSI Control Plane Management URL. For non-SAP EDC, please contact your EDC administrator for this information.

(2) **baseUrl:**

- From **Integration Suite** → **Monitor** → **Integrations and APIs**, select **All** tile under **Manage Integration Content**

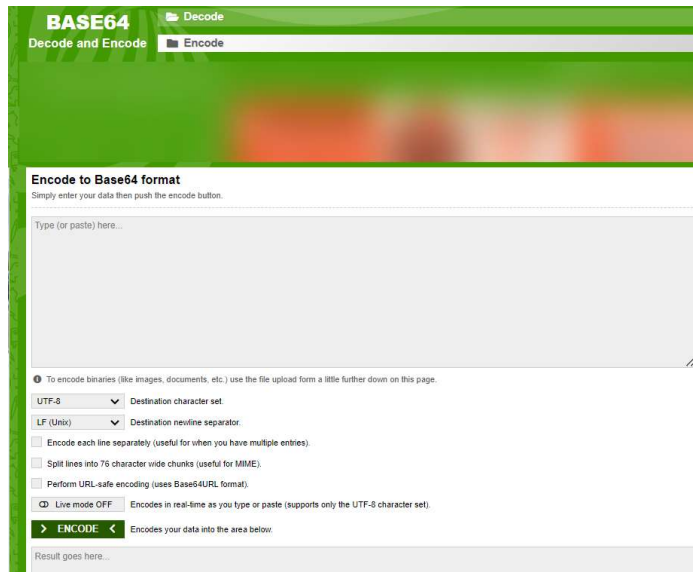


- On **Overview/Manage Integration Content** page, search **Enhanced SAP Business Network Material Traceability Receive Notifications**, then click on **Copy** icon on right side. This endpoint is the **baseUrl**.

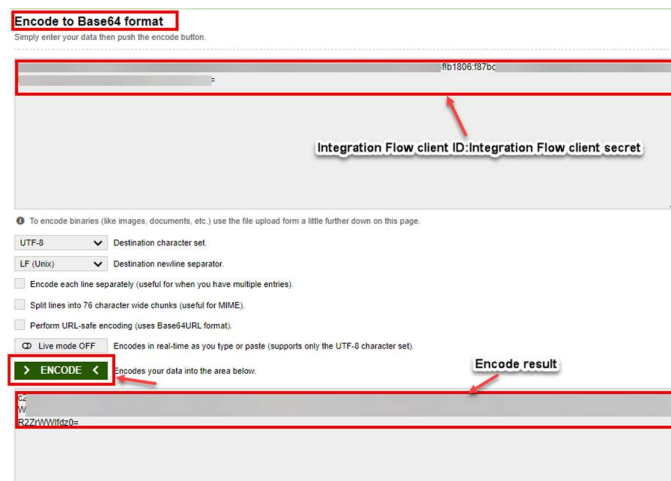


(3) **authCode:**

- Refer **step 7.11 in Prerequisite Step-by-step** → **Create Process Integration Runtime Service Key** section in document **Configuration Instructions - Notification v1.0.0** and write down **Integration Flow client ID** and **Integration Flow client secret**
- Open any base64 encode online tool (for example Base64 <https://www.base64encode.org/>)



- Enter “**Integration Flow client ID**” + “:” + “**Integration Flow client secret**” in box at top as following, keep everything else as default and then select **ENCODE** button, Encode result shows in box at bottom

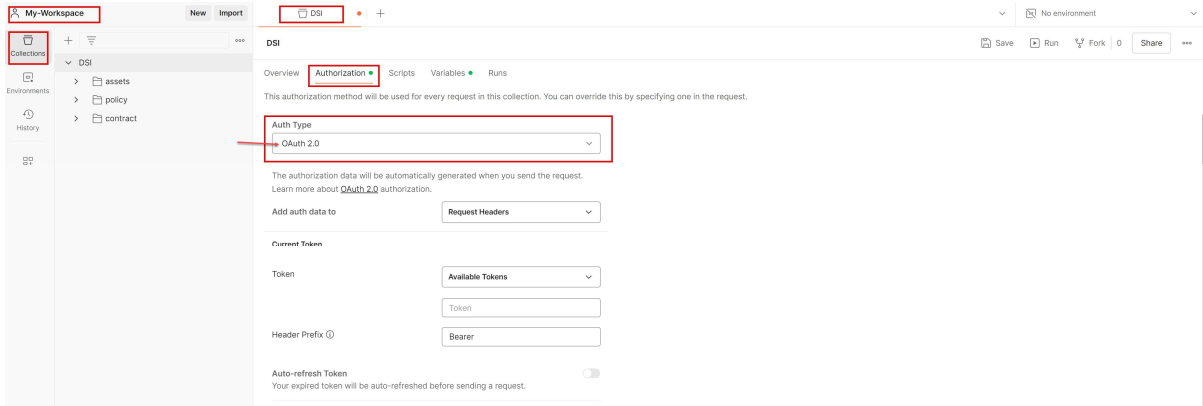


- **authCode**= “Basic”+ “ ”+ Encode result
see following example (*be careful there is a space between “Basic” and Encode result*):

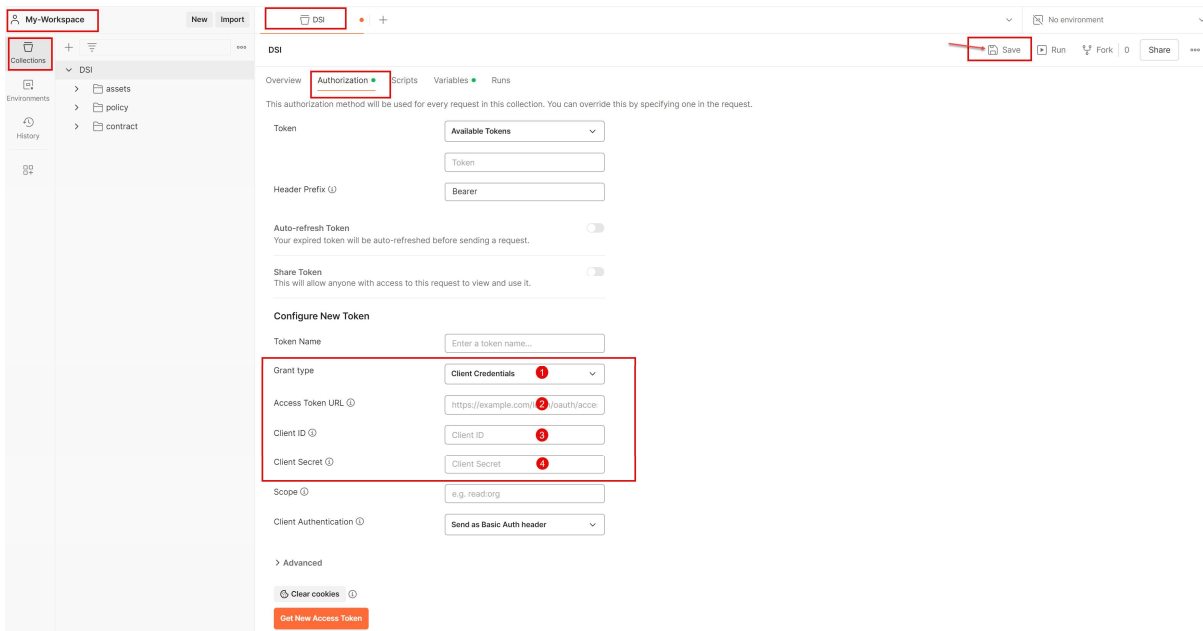


5. Set Authentication

5.1 From postman → your workspace (for example: My-Workspace) → **Collections** → **DSI**, select **Authorization** tab, then choose **OAuth 2.0** from **Auth Type** dropdown

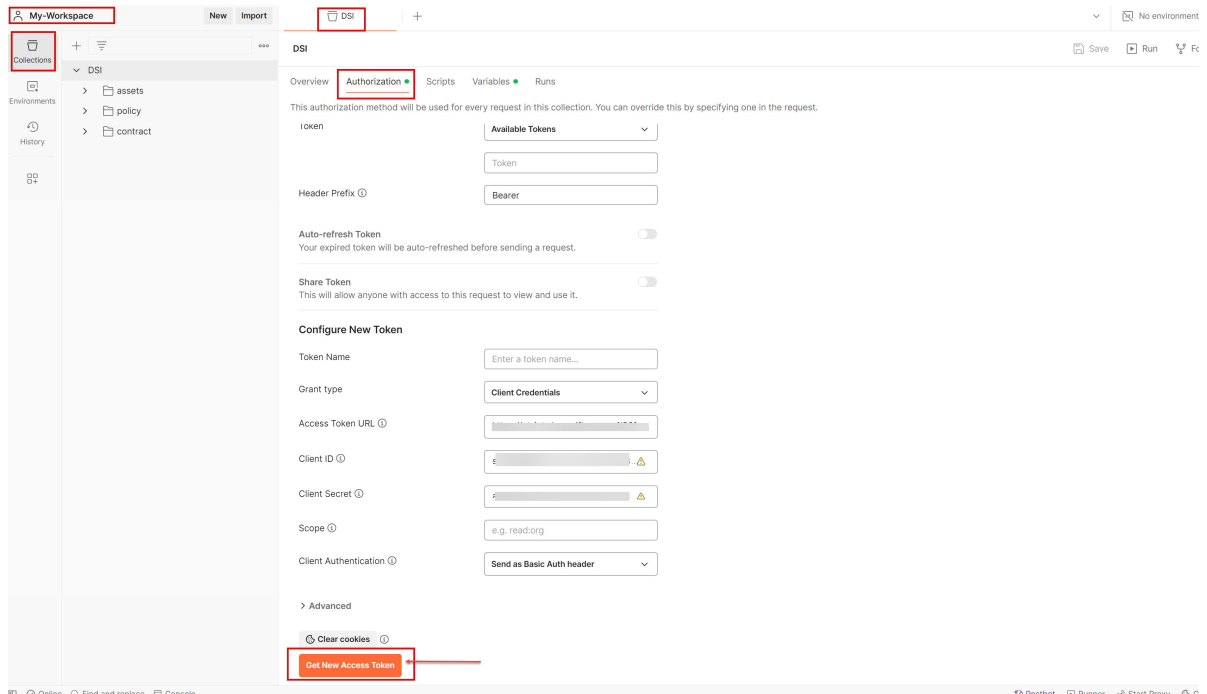


5.2 Scroll down and enter following information, leave all other fields as default, and then select **Save** button

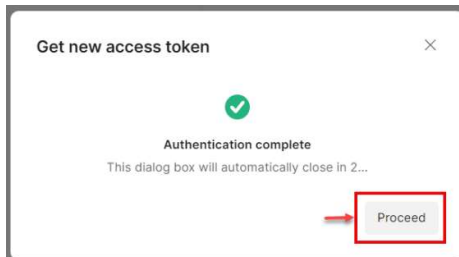


- (1) **Grant type:** choose **Client Credentials** from dropdown.
- (2) **Access Token URL:** This is the access token URL of your DSI/EDC Control Plane. Please contact your DSI/EDC administrator for this information
- (3) **Client ID:** This is the client id of the access credential of your DSI/EDC Control Plane. Please contact your DSI/EDC administrator for this information
- (4) **Client Secret:** This is client secret of the access credential of your DSI/EDC Control Plane. Please contact your DSI/EDC administrator for this information

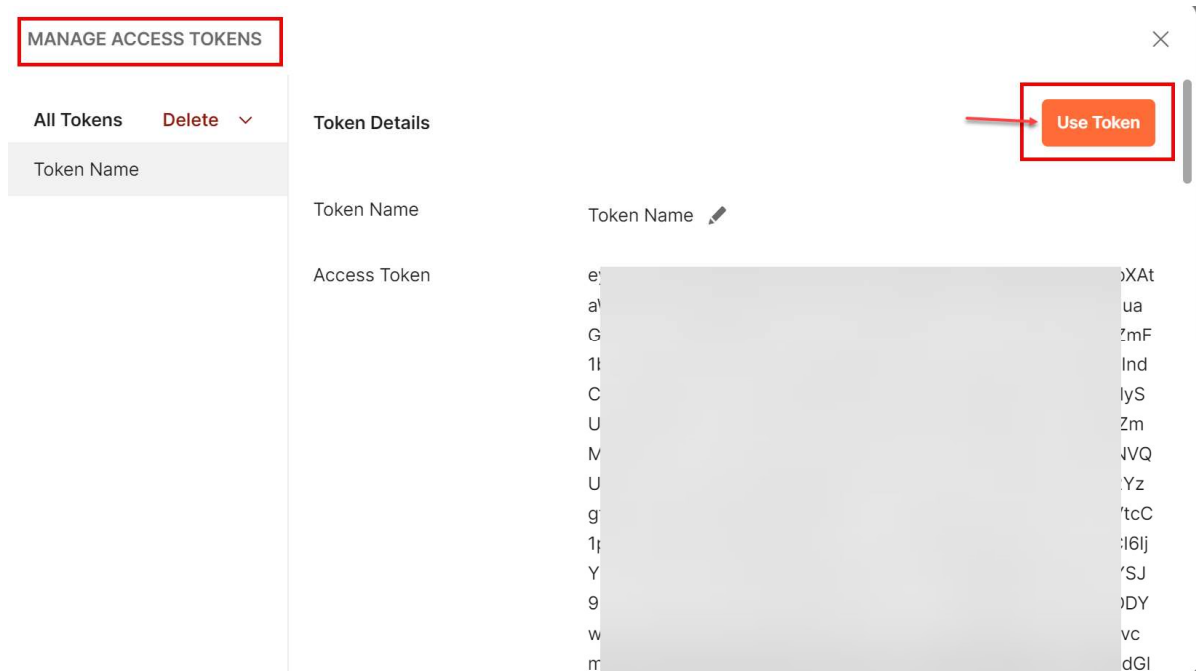
5.3 Select **Get New Access Token** button (If the Access-Token has expired, request a new one by pressing **Get New Access Token**)



5.4 Token generated successfully and then select **Proceed** button

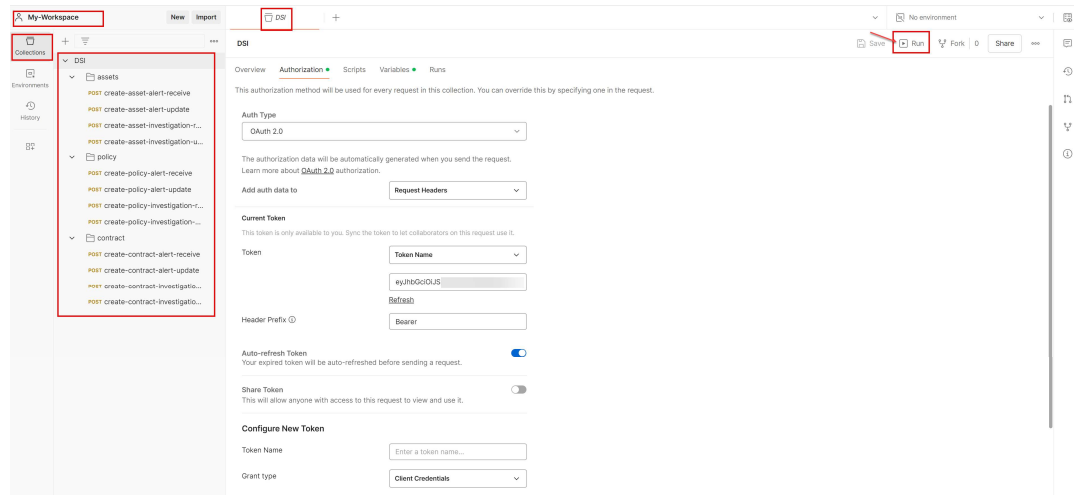


5.5 On **MANAGE ACCESS TOKENS** page, keep all default values, and select **Use Token** button



6. Create Assets, Policies and Contracts

6.1 From postman → your workspace (for example: My-Workspace) → **Collections** → **DSI**, select **Run** button

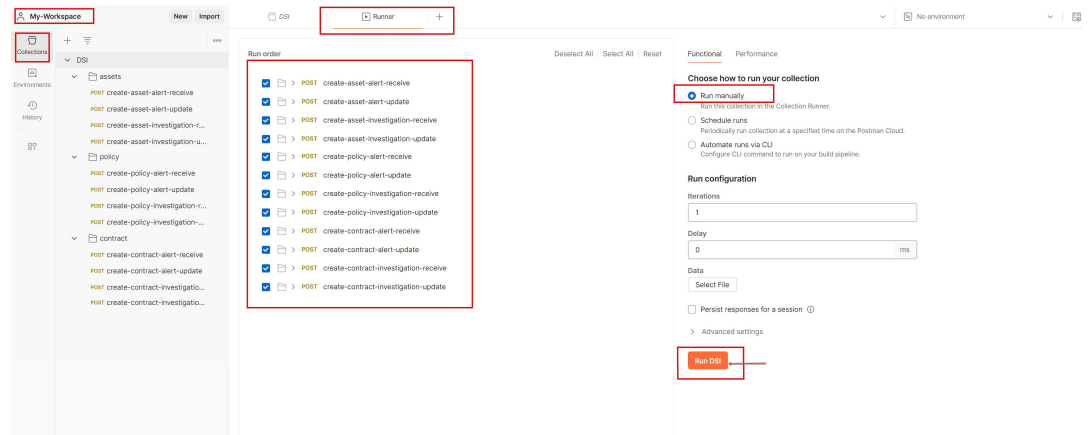


6.2 On the **Runner** tab, make sure all following selected then choose **Run DSI** button

create-asset-alert-receive
create-asset-alert-update
create-asset-investigation-receive
create-asset-investigation-update

create-policy-alert-receive
create-policy-alert-update
create-policy-investigation-receive
create-policy-investigation-update

create-contract-alert-receive
create-contract-alert-update
create-contract-investigation-receive
create-contract-investigation-update



6.3 Make sure all 12 post-requests finished successfully (200 OK)

My-Workspace | New | Import | DSI | No environment

DSI - Run results | Run today at 17:01:06 | View all tests | Run Again | Automate Run | New Run | Export Results

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	none	1	5s 363ms	0	303 ms

All Tests: Passed (0) | Failed (0) | Skipped (0) | View Summary

Iteration 1

POST create-asset-alert-receive	No tests found	200 OK 244 ms 516 B
POST create-asset-alert-update	No tests found	200 OK 307 ms 515 B
POST create-asset-investigation-receive	No tests found	200 OK 209 ms 524 B
POST create-asset-investigation-update	No tests found	200 OK 319 ms 523 B
POST create-policy-alert-receive	No tests found	200 OK 320 ms 519 B
POST create-policy-alert-update	No tests found	200 OK 289 ms 516 B
POST create-policy-investigation-receive	No tests found	200 OK 198 ms 526 B

My-Workspace | New | Import | DSI | No environment

DSI - Run results | Run today at 17:01:06 | View all tests | Run Again | Automate Run | New Run | Export Results

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	none	1	5s 363ms	0	303 ms

All Tests: Passed (0) | Failed (0) | Skipped (0) | View Summary

POST create-policy-alert-update	No tests found	200 OK 289 ms 518 B
POST create-policy-investigation-receive	No tests found	200 OK 198 ms 526 B
POST create-policy-investigation-update	No tests found	200 OK 197 ms 525 B
POST create-contract-alert-receive	No tests found	200 OK 232 ms 519 B
POST create-contract-alert-update	No tests found	200 OK 181 ms 517 B
POST create-contract-investigation-receive	No tests found	200 OK 275 ms 527 B
POST create-contract-investigation-update	No tests found	200 OK 274 ms 528 B