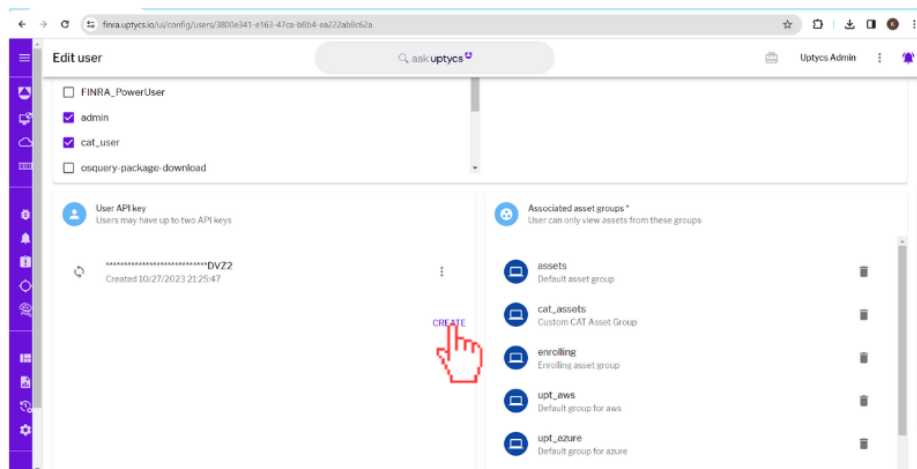


SBOM API

Step-1 : Download Necessary Files

=> Download [sbom_api.py](#) python script

=> Download Access Keys from any tenant (Configurations > Users > Create API Key) as shown below and store it in the same folder where sbom_api.py file is present.



=> Access Keys are downloaded in JSON format and in a filename called ***UserName_apikey.json***, here I logged as ***UptycsAdmin*** to download the access keys so the file has been downloaded as ***UptycsAdmin_apikey.json***

Name	Date modified	Type	Size
Today			
sbom_api.py	27-10-2023 21:20	Python Source File	3 KB
Yesterday			
UptycsAdmin_apikey.json	26-10-2023 19:54	JSON Source File	1 KB

Credentials File with Access Keys

Step-2:

=> Run the sbom_api.py file as follows:

Python sbom_api.py

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

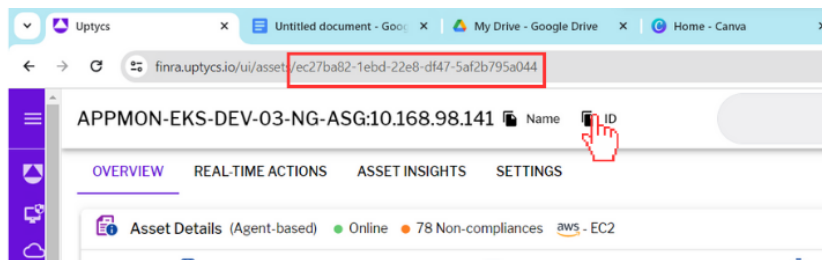
PS C:\Users\kadirikumar\Downloads\4016> python sbom_api.py
```

=> Enter the FileName where Access keys are stored (UptycsAdmin_apikey.json)

```
PS C:\Users\kadirikumar\Downloads\4016> python sbom_api.py

Enter the File name of access keys (User_apikey.json)
UptycsAdmin_apikey.json
```

=> Get Asset Id from the url or by clicking the copy-id icon as shown below (ec27ba82-1ebd-22e8-df47-5af2b795a044)



=> Enter the asset Id (ec27ba82-1ebd-22e8-df47-5af2b795a044)

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\kadirikumar\Downloads\4016> python sbom_api.py

Enter the File name of access keys (User_apikey.json)
UptycsAdmin_apikey.json

Enter the Correct Resource Id of the Asset
ec27ba82-1ebd-22e8-df47-5af2b795a044
```

=> Enter 1 for SPDX format or 2 for CycloneDX Format (This is for output Format)

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\kadirikumar\Downloads\4016> python sbom_api.py

Enter the File name of access keys (User_apikey.json)
UptycsAdmin_apikey.json

Enter the Correct Resource Id of the Asset
ec27ba82-1ebd-22e8-df47-5af2b795a044

Enter the format spdx (1) | CycloneDX (2)
2
```

=> You will see the output.json file created in the same folder after the script completes its execution.

```
PS C:\Users\kadirikumar\Downloads\4016> python sbom_api.py

Enter the File name of access keys (User_apikey.json)
UptycsAdmin_apikey.json

Enter the Correct Resource Id of the Asset
ec27ba82-1ebd-22e8-df47-5af2b795a044

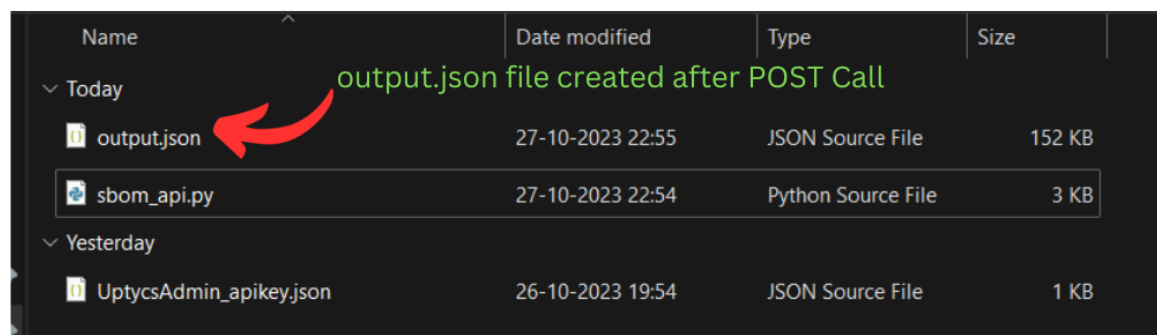
Enter the format spdx (1) | CycloneDX (2)
2

Credentials read for domain finra

Query is FINISHED

Created output.json in the current folder where response has imported.

PS C:\Users\kadirikumar\Downloads\4016> 
```



Name	Date modified	Type	Size
▼ Today			
output.json	27-10-2023 22:55	JSON Source File	152 KB
sbom_api.py	27-10-2023 22:54	Python Source File	3 KB
▼ Yesterday			
UptycsAdmin_apikey.json	26-10-2023 19:54	JSON Source File	1 KB

=> Sample output file can be found [here](#)

Extra Info :

Method : POST

URL : `https://{domain}.uptycs.io/public/api/v2/customers/{customerId}/sbom`

Request Body :

```
{
  "name": "HOST_SBOM",
  "resourceId": {assetId},
  "resourceName": "host-sbom",
  "format": {"SPDX" | "CycloneDX"}
}
```

Response : Below is the sample output, you may get too long response, refer full output here : [output.json](#)

```
{
  "items":{
    "rowData": {
      "bomFormat": "CycloneDX",
      "specVersion": "1.4",
      "version": 1,
      "metadata": {
        "timestamp": "Fri, 27 Oct 2023 17:25:25 GMT",
        "tools": [
          {
            "vendor": "Uptycs, Inc",
            "name": "Osquery"
          }
        ],
        "component": {
          "type": "operating-system",
          "name": "host-sbom",
          "bom-ref": "ec27ba82-1ebd-22e8-df47-5af2b795a044"
        }
      },
    },
  },
  "links": [
    {
      "rel": "self",
      "title": "Query job results information",
      "href": "/api/v2/customers/b3cd90f0-0ae7-48e7-85f1-417fd416ba61/sbom"
    },
    {
      "rel": "parent",
      "title": "Query job information",
      "href": "/api/v2/customers/b3cd90f0-0ae7-48e7-85f1-417fd416ba61"
    }
  ]
}
```

```
    }
  ],
  "status": "FINISHED",
  "id": "e394de66-1dc0-493e-914c-c6c1035a6a2c",
  "error": null,
  "endTime": "2023-10-26T15:48:32.491Z",
  "startTime": "2023-10-26T15:48:30.064Z",
  "rowCount": 1,
  "resultStore": "presto",
  "columns": [
    {
      "name": "system_id",
      "type": "TEXT",
      "originalName": "system_id",
      "link": ""
    },
  ],
  "offset": 0,
  "limit": 50000
}
}
```