# Lifecycle of API users accounts



Step 1

 $\longrightarrow$ 



Step 2

User requests access to API. The order form for API access needs to be sent to the Support team.

Support team processes for approval by Service Responsible.

### Note:

All fields in the order form must be populated. The intended use of the API and / or project / customer reference shall be described in the field "Purpose". The request form will be returned for additional information if not sufficiently described.







After the order form is processed by Cegal and Support team, the API account is created in EqHub or Virtual Inventory or Loop (depending on the request), and credentials are issued to the users



Step 5

User can start using the API.

# $\longrightarrow$



### Step 6

If an account is not used for more than 1 year, the user will receive an email notifying about it. If no answer is received, the user account will be suspended.



# EqHub API: Getting Started

### Step-by-step guide

### **Getting Access** 2+

New and existing users, submit order form for API access to support

# Step 1

To get the authorization token, please perform POST request with token\_url, client\_id and client\_secret related to the needed environment.

### **TEST environment:**

- token\_url: https://apis-test-vi.collabor8.no/eqhub-m2m/eqhub-api/ v1/token

- client\_id: {your client id value}
- client\_secret: {your client secret value}

### **PRODUCTION** environment:

- token\_url: https://apis-vi.collabor8.no/eqhub-m2m/eqhub-api/v1/ token

- client\_id: {your client id value}
- client\_secret: {your client secret value}

| OST v https://apis-test-vi.collabor8.no/eqhub-m2m/eqhub-api/v1/token  |               |
|---|---------------|
| rams Authorization Headers (9) Body Pre-request Script Tests Settings |               |
| none 🔵 form-data 🦲 x-www-form-urlencoded 🔵 raw 🔵 binary 🔵 GraphQL     |               |
| KEY   | VALUE         |
| grant_type  | client_creden |
| client_id   | {{TietoEvry-R |
| client_secret   | {{TietoEvry-R |
| Кеу   | Value         |
| 2 "token type": "Bearer",   |               |
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| Collowing and staring datad   |               |
| and stay updated  |               |
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|   |               |
|   |               |
|   |               |

### Documentation

Technical documentation for the API: production and test. Access to documentation requires sign-up / sign-in

| tials                                      |
|--|
| odion-EqHubUser-EqHub-M2M-test-client-id}} |
| odion-EqHubUser-EqHub-M2M-test-secret}}    |
|  |
|  |
|  |

# Step 2

With the provided token, you can interact with other endpoints. Endpoints with the mark "legacy" have the same response data structure as the former EqHub. E.g., request product data by ID (former TEK number) with the endpoint: https://apis-test-vi.collabor8.no/eqhub-m2m/eqhub-api/v1/legacy/ Teknos/ {id}:

| Eqhub A   | PI / [TEST] Get TEK number data   | by ID  |               |  |                                  |
|---|---|--|---------------|--|----------------------------------|
| GET   | ✓ https://apis-test-vi.coll   | abor8.no/eqhub-m2m/eqhub-  | api/v1/legacy | r/Teknos/180883                          |                                  |
| Params  | Authorization • Headers (8)   | Body Pre-request Scrip   | ot Tests      | Settings                                 |                                  |
| Туре  |   | Bearer Token   | ~             | (!) Heads up! These parameters hold sens | sitive data. To keep this data s |
| The autho<br>Learn mor  | rization header will be automatical<br>e about authorization ㅋ  | ly generated when you send th  | he request.   | Token                                    | eyJ0eXAiOiJKV1QiL                |
| Body Co<br>Pretty   | okies Headers (6) Test Results<br>Raw Preview Visualiz  | s<br>ze JSON V =>  |               |  |                                  |
| 1 2<br>3 4<br>5 6<br>7 8<br>9 10<br>11 12<br>13 14<br>15 16<br>17 18<br>19 20<br>21 22<br>23 24<br>25 | <pre>"id": "6b835dc1-3a62-44d "apiVersion": "1", "statusCode": 200, "username": null, "paging": {     "page": 1,     "totalPages": 1,     "totalCount": 1,     "size": 50 }, "data": [     {         "status": "Active         "catalogueUrl":         "teknoStatus": "         "reasonForDeletee         "attributes": [         {             {</pre> | <pre>//9-8b5e-4b420c45b9e4", //***********************************</pre> | id.no/vi/an   | n/#/eqhub/product-details/180883",       |                                  |

### Questions?

Please contact us at <a href="mailto:support@eqhub.no">support@eqhub.no</a>



## Headers

| Eqh           | ab API / [TEST] Get TEK number data by ID                                     |   |
|---------------|---|---|
| GET           | https://apis-test-vi.collabor8.no/eqhub-m2m/eqhub-api/v1/legacy/Teknos/180883 |   |
| Paran<br>Heac | Authorization • Headers (8) Body Pre-request Script Tests Settings            |   |
|               | KEY   | VALUE   |
|               | Authorization (i)   | Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6Ii1LSTNROW5OUjdi |
|               | Postman-Token (i)   | <calculated is="" request="" sent="" when=""></calculated>          |
|               | Host i  | <calculated is="" request="" sent="" when=""></calculated>          |
|               | User-Agent (i)  | PostmanRuntime/7.29.2   |
|               | Accept (i)  | */*   |
|               | Accept-Encoding (i)   | gzip, deflate, br   |
|               | Connection (1)  | keep-alive  |
|               | Authorization   | Bearer  |
|               | Кеу   | Value   |
|               |   |   |

# Additional resources

Authentication Microsoft libraries for further usage:





https://learn.microsoft.com/en-us/azure/azure-app-configuration/rest-apiauthentication-azure-ad#authentication-libraries or your own solution.



# Virtual Inventory API: Getting Started

### Step-by-step guide

### **Getting Access 2**+

New and existing users, submit order form for API access to support

# Step 1

To get the authorization token, please perform POST request with token\_url, scope, client\_id and client\_secret related to the needed environment.

### **TEST environment:**

- token\_url: https://login.microsoftonline.com/4d1df598ac19-4734-86f0-8a645992dfa1/oauth2/v2.0/token

- scope: api://0729ff68-e706-4979-a2ad-53ac46edcc0a/.default
- client\_id: {your client id value}
- client\_secret: {your client secret value}

### **PRODUCTION** environment:

- token\_url: https://login.microsoftonline.com/4d1df598ac19-4734-86f0-8a645992dfa1/oauth2/v2.0/token

- scope: api://2f731f1f-72e6-4998-8854-d026d5ccb151/.default
- client\_id: {your client id value}

- client\_secret: {your client secret value}

|                       | KEY  | VALUE   | DESCRIPTI   |
|-----------------------|--|---|-------------|
|                       | grant_type   | client_credentials                                  |             |
|                       | scope  | {{TietoEvry-Rodion-operator-VI-M2M-test-scope}}     |             |
|                       | client_id  | {{TietoEvry-Rodion-operator-VI-M2M-test-client-id}} |             |
|                       | client_secret  | {{TietoEvry-Rodion-operator-VI-M2M-test-secret}}    |             |
| Body                  | Cookies (3) Headers (16) Test Results  | Status: 2   | 200 OK Time |
| 1<br>2<br>3<br>4<br>5 | <pre> {     "token_type": "Bearer",     "expires_in": 3599,     "ext_expires_in": 3599,     "access_token": "eyJ0eXAi0iJKV1QiLCJhb     ovJbdW0i0iJwNzI5ZmX20C11NzA2LT05Nz </pre> | OGciOiJSUzI1NiIsImtpZCI6Inp4ZWcyV090cFRrd041R2      | 211WWN1VGR6 |
| F                     | ollow us and s   | stay updated  |             |
|                       |  |   |             |

# Step 2

With the provided token, you can interact with other endpoints.

| GET ~ https://apis-test-vi.collab  | oor8.no/api/v1/m2m/inventory-import/status  |   | Send V          |
|--|---|---|-----------------|
| Params Authorization Headers (8)   | Body Pre-request Script Tests Settings  |   | Cookies         |
| Type Bearer Token $\vee$   | Heads up! These parameters hold sensitive environment, we recommend using variables | data. To keep this data secure while working in a collabora<br>s. <u>variables</u> <sup>オ</sup> | tive X          |
| The authorization header will be automatically generated when you send the request. Learn more about authorization 7     | Token   | eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsIm  |                 |
| Body Cookies Headers (10) Test Results   |   | Ca Status: 200 OK Time: 202 ms Size: 498 B  | Save Response V |
| Pretty Raw Preview Visualize   | JSON V  |   | <b>Q</b>        |
| <pre>1 { 2 "isImportAllowed": true, 3 "isImportFromColleaguesAc" 4 "lastSuccessfullyCompleted 5 "timeLeft": 0 6 } </pre> | tive": <b>false</b> ,<br>dInventoryImportState": <b>null</b> ,                      |   | I               |

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### Questions?

Please contact us at <a href="mailto:support@virtualinventory.no">support@virtualinventory.no</a>

### Documentation

Technical documentation for the API: production and test. Access to documentation requires sign-up / sign-in

### Headers

| GET   | ~            | https://   | apis-test-vi.colla | abor8.no/a | pi/v1/m |
|-------|--------------|------------|--------------------|------------|---------|
| Paran | ns Authoriz  | zation •   | Headers (8)        | Body       | Pre-r   |
| Head  | lers 🥬 Hide  | e auto-gen | erated headers     |            |         |
|       | KEY          |            |                    |            |         |
|       | Authorizatio | n i        |                    |            |         |
|       | Postman-To   | ken 🛈      |                    |            |         |
|       | Host i       |            |                    |            |         |
|       | User-Agent   | í          |                    |            |         |
|       | Accept (i)   |            |                    |            |         |
|       | Accept-Enco  | oding 🛈    |                    |            |         |
|       | Connection   | i          |                    |            |         |
|       | Authorizatio | n          |                    |            |         |
|       | Key          |            |                    |            |         |

## Additional resources

Authentication Microsoft libraries for further usage:



| 2m/inventory-import/status                                 |             |     | s         | end ~   |
|--|-------------|-----|-----------|---|
| quest Script Tests Settings                                |             |     |           | Cookies   |
| VALUE  | DESCRIPTION | 000 | Bulk Edit | Presets $ \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $ |
| Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NilsImtp            |             |     |           |   |
| <calculated is="" request="" sent="" when=""></calculated> |             |     |           |   |
| <calculated is="" request="" sent="" when=""></calculated> |             |     |           |   |
| PostmanRuntime/7.29.2                                      |             |     |           |   |
| */*  |             |     |           |   |
| gzip, deflate, br  |             |     |           |   |
| keep-alive   |             |     |           |   |
| Bearer   |             |     |           |   |
| Value  | Description |     |           |   |
|  |             |     |           |   |

https://learn.microsoft.com/en-us/azure/azure-app-configuration/rest-apiauthentication-azure-ad#authentication-libraries or your own solution.



**OFFSHORE** NORGE

# Virtual Inventory API: How To Keep Your Inventory In Sync

### Step-by-step guide



# Step 1

Check the status of the inventory import for you company with the endpoint "Get inventory import state" ....v1/m2m/inventory-import/statu

Check the response that will show your system the import is possible. The main parameter of the response is *isImportAllowed*. It shows if the inventory import for your account is allowed at the moment. It can be forbidden if someone from your company is importing data from the web page or if you've started the import by API recently and it is still active.



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|              |  |
|              |  |
|              |  |



### Step 2

If import is allowed – use "Upload inventory import file" endpoint ...v1/m2m/inventory-import/ {importMode}.

### Two modes are available:

- "Step by step" (default) – the same mode used for UI. You can control the process of inventory update.

- "Apply file without feedback" – all changes will be applied after the file upload. You can use it if you are sure that your file is 100% correct.

### Questions?

Please contact us at <a href="mailto:support@virtualinventory.no">support@virtualinventory.no</a>

## Additional resources

Details of import process actions and additional relevant endpoint documentation can be found by the link (quick self-registration is needed): https://portal-apis-vi.collabor8.no/api-details#api=virtualinventory-api&operation=m2mUploadInventoryImportFile





# Loop API: Getting Started

### Step-by-step guide

### 2+ **Getting Access**

New and existing users, submit order form for API access to support

# Step 1

To get the authorization token, please perform POST request with token\_url, client\_id and client\_secret related to the needed environment.

### **TEST environment:**

- token\_url: https://apis-test-vi.collabor8.no/loop-m2m/loop-api/v1/ token

- client\_id: {your client id value}
- client\_secret: {your client secret value}

### **PRODUCTION environment:**

- token\_url: https://apis-vi.collabor8.no/loop-m2m/loop-api/v1/token
- client\_id: {your client id value}
- client\_secret: {your client secret value}

| POST v https://apis-test-vi.collabor8.no/loop-m2r   | m/loop-api/v1/token   |  |
|---|---|--|
| Params Authorization Headers (9) Body Pre-re-   | equest Script Tests Settings  |  |
| none form-data • x-www-form-urlencoded ra   | w 🔵 binary 🜑 GraphQL  |  |
| KEY   | VALUE   | DESCRIPT   |
| grant_type  | client_credentials  |  |
| Client_id   | {{TietoEvry-Rodion-operator-VI-M2M-test-client-id}}   |  |
| Client_secret   | {{TietoEvry-Rodion-operator-VI-M2M-test-secret}}  |  |
| Кеу   | Value   | Description  |
| PrettyRawPreviewVisualizeJSON >>1112"token_type": "Bearer",<br>3"expires_in": 3599,<br>44"ext_expires_in": 3599,<br>5"access_token": "eyJ0eXAi0iJKV1QiLCJhb0<br>eyJhdWQi0iIwNzI5ZmY20C11NzA2LTQ5Nzk<br>Y10TgtYWMx0S00NzM0LTg2ZjAt0GE2NDU50<br>aW8i0iJrMkJnWUEnTS9zd1VmdWJ4Nlo2YmF | GciOiJSUzI1NiIsImtpZCI6Inp4ZWcyV090cFRrd041R2<br><tytjhzc01m2fjndz1zgnjmgeilcjpc3mioijodhrwczo<br>OTJkZmExL3YyLjAiLCJpYXQiOjE3MzIyOTQ0NjcsIm5iZ<br/>RONmM3VlpvVC9TMiM3OV11bHBOVDVpSFkrK1B07ihBTiw</tytjhzc01m2fjndz1zgnjmgeilcjpc3mioijodhrwczo<br> | 11WWN1VGR0<br>vL2xvZ2luL<br>iI6MTczMjI<br>iYXnwTioiM |
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| E5NDQ2Ny | wiZXhwIjoxNz  | MyMjk4MzY3LCJh |   |
|          | MTE+MTRIVSOO  | ODEOLWEINGM+7T |   |

# Step 2

With the provided token, you can interact with other endpoints.

| GET  | $\sim$                  | {{viApiTE                              | STBaseUrl}}/loo  | p-m2m/loc                             | op-api/v          | v1/sales?page=                   | 1&limit=1&               | countQ              |
|--|-------------------------|--|--|---------------------------------------|-------------------|----------------------------------|--------------------------|---------------------|
| Params •   | Authori                 | zation •                               | Headers (8)  | Body                                  | Pre-r             | equest Script                    | Tests                    | Settin              |
| Туре   |                         | Bearer                                 | Tok 🗸  | (!) He<br>env                         | ads up<br>vironme | ! These parame<br>ent, we recomm | ters hold s<br>end using | sensitiv<br>variabl |
| The authori<br>automatical<br>the request          | zation he<br>lly genera | ader will b<br>ted when<br>thorization | e<br>you send  | Token                                 |                   |                                  |                          |                     |
| Body Coo   | kies He                 | aders (9)                              | Test Results   |                                       |                   |                                  |                          |                     |
| Pretty   | Raw                     | Previev                                | v Visualize  | JSON                                  | I ~               |                                  |                          |                     |
| 1 <b>E</b><br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | "data<br>{              | ": [<br>"stat<br>"obje<br>"<br>"<br>}, | us": "draft",<br>ctInformation<br>name": "Test<br>description":<br>productClass' | ,<br>name",<br>: "desc",<br>": "Archi | .tectu            | ral"                             |                          |                     |
| 10   |                         | "sale                                  | Information":  | : {                                   |                   |                                  |                          |                     |

## Questions?

Please contact us at <a href="mailto:support@virtualinventory.no">support@virtualinventory.no</a>

### Documentation

Technical documentation for the API: production and test. Access to documentation requires sign-up / sign-in

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|                          | æ                     | Status: 200 OK                   | Time: 735 ms    | Size: 2.75 KB       | Save Respo | nse ∨  |
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|                          |                       |                                  |                 |                     |            |        |
|                          |                       |                                  |                 |                     |            |        |
|                          |                       |                                  |                 |                     |            |        |

### Headers

| GET           | ~                              | {{viApiTE             | STBaseUrl}}/loop            | o-m2m/loc | p-ap |  |
|---------------|--------------------------------|-----------------------|-----------------------------|-----------|------|--|
| Paran<br>Heac | ns • Authoriz<br>ders Ø Hide a | zation •<br>uto-gener | Headers (8)<br>ated headers | Body      | Pre  |  |
|               | KEY                            |                       |                             |           |      |  |
|               | Authorization                  | í                     |                             |           |      |  |
|               | Postman-Token (i)              |                       |                             |           |      |  |
|               | Host (i)                       |                       |                             |           |      |  |
|               | User-Agent (i)                 |                       |                             |           |      |  |
|               | Accept (i)                     |                       |                             |           |      |  |
|               | Accept-Encoding (i)            |                       |                             |           |      |  |
|               | Connection (                   | D                     |                             |           |      |  |
|               | Authorization                  |                       |                             |           |      |  |
|               | Кеу                            |                       |                             |           |      |  |

## Additional resources

Authentication Microsoft libraries for further usage:



| /v1/sales?page=1&limit=1&countQueries=true Send ~          |             |     |           |                |  |  |
|--|-------------|-----|-----------|----------------|--|--|
| request Script Tests Settings                              |             |     |           | Cookies        |  |  |
| VALUE  | DESCRIPTION | 000 | Bulk Edit | Presets $\vee$ |  |  |
| Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtp            |             |     |           |                |  |  |
| <calculated is="" request="" sent="" when=""></calculated> |             |     |           |                |  |  |
| <calculated is="" request="" sent="" when=""></calculated> |             |     |           |                |  |  |
| PostmanRuntime/7.29.2                                      |             |     |           |                |  |  |
| */*  |             |     |           |                |  |  |
| gzip, deflate, br  |             |     |           |                |  |  |
| keep-alive   |             |     |           |                |  |  |
| Bearer   |             |     |           |                |  |  |
| Value  | Description |     |           |                |  |  |

https://learn.microsoft.com/en-us/azure/azure-app-configuration/rest-apiauthentication-azure-ad#authentication-libraries or your own solution.



**OFFSHORE** NORGE

# Loop API Fundamentals

What is it for?

Loop API works as a bridge between Loop and other third-party systems to communicate and share data securely. The primary goal of API is efficiency. Data from Loop can be imported using UI and API.



Who is it for?



Import items and sales data



### Questions?

Please contact us at <a href="mailto:support@virtualinventory.no">support@virtualinventory.no</a>

Export sales data, update sales statuses





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