

APPLICATION NOTE

Configuring Store4Me connectors for Excel, Power BI, Google Data Studio

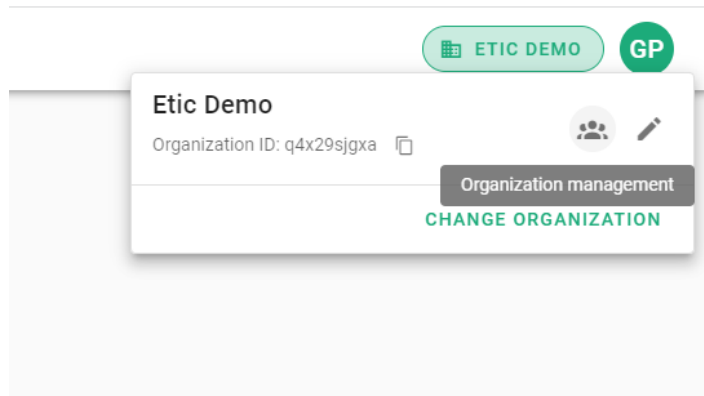
- API key creation
- Using the Excel/Power BI connector
- Using the Google Data Studio connector
- JSON API Documentation

Version C - **12/06/2025**

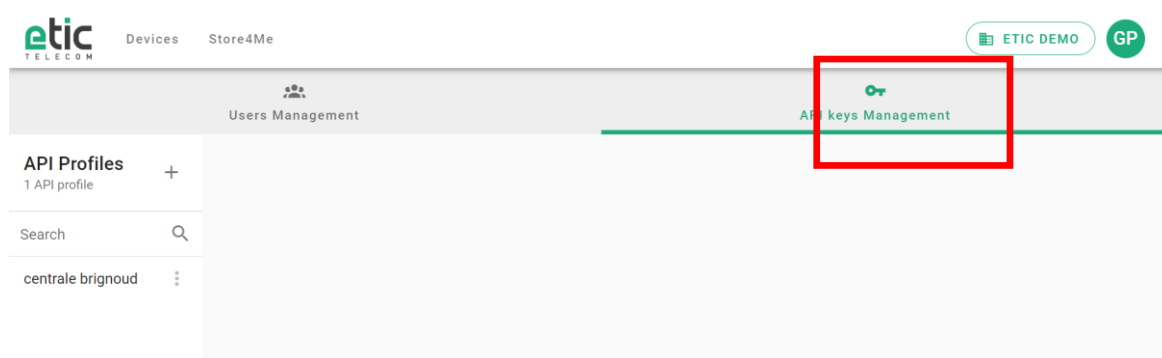
1) API KEY CREATION

Connect to your store4me account (<https://store4me.etictelcom.com>)

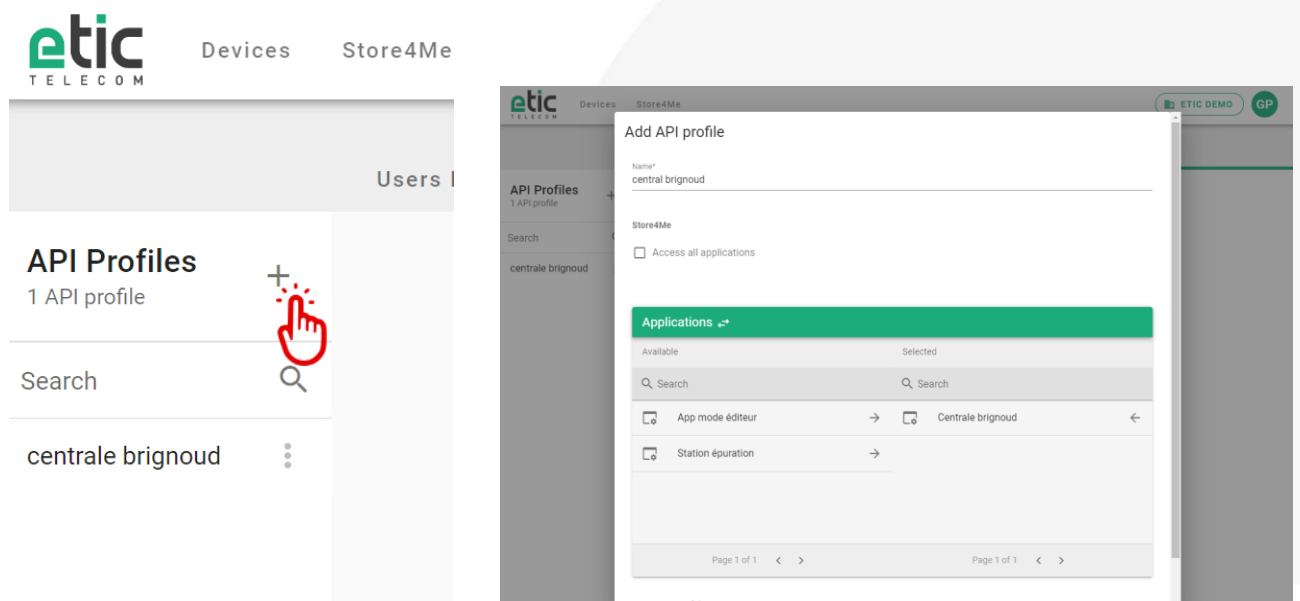
Go to the menu: **“Organization management”**



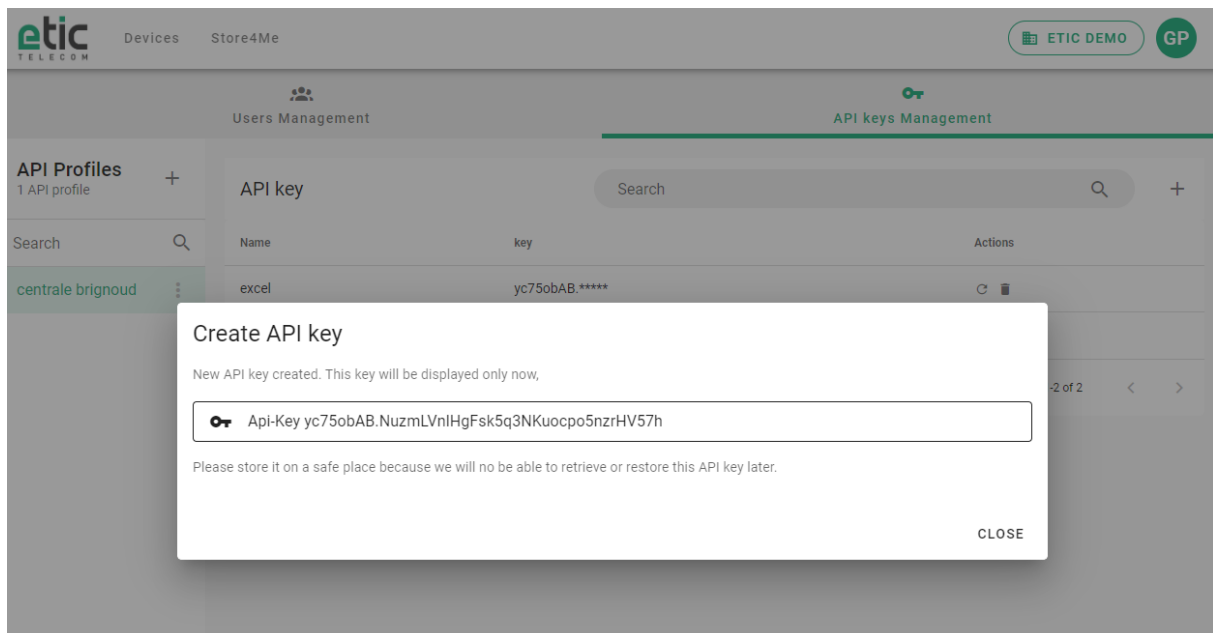
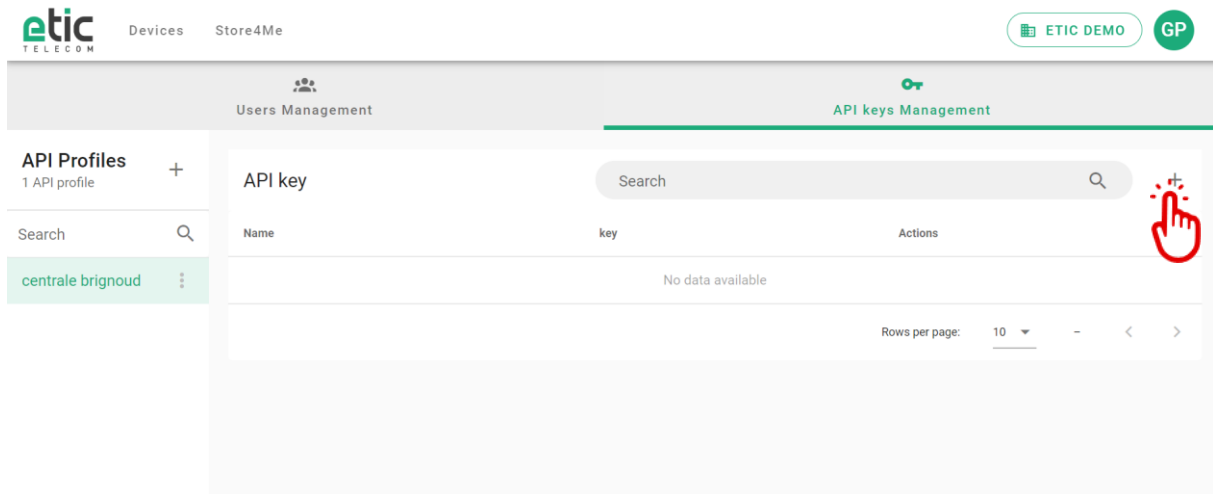
Access to **“API keys Management”** section



Create an API profile and set permissions



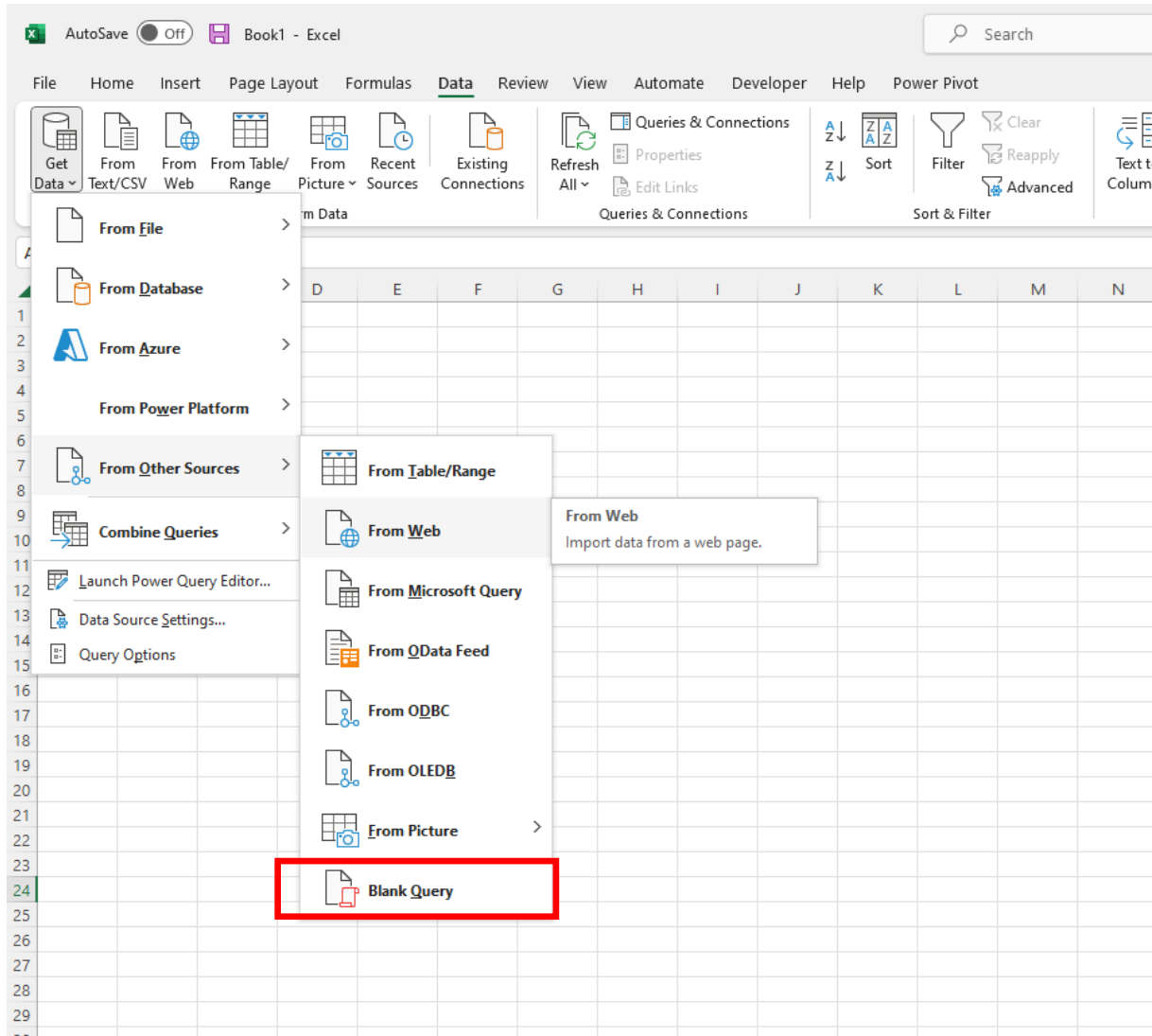
Create an API key



Store the key on your PC

2) USING THE EXCEL OR POWER BI CONNECTOR (POWER QUERY)

Both software uses power query editor
Add "blank query" datasource

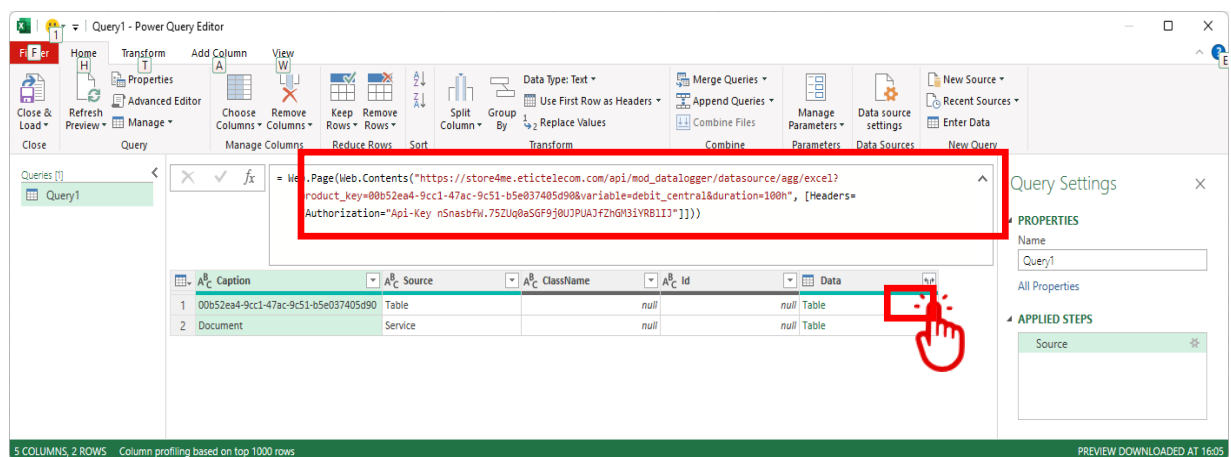


Add the following query:

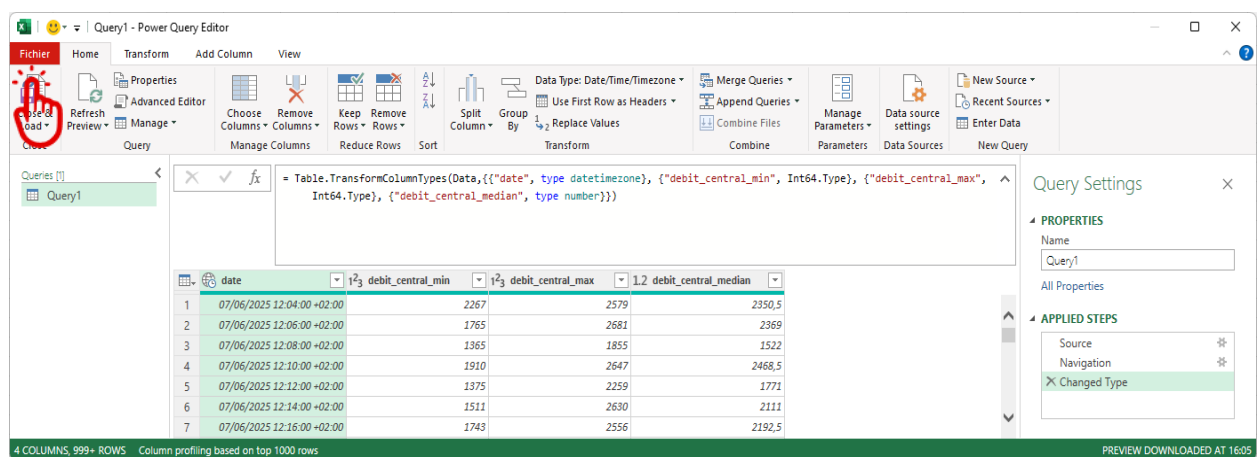
```
=Web.Page(Web.Contents("https://store4me.etictelcom.com/api/mod_datalogger/datasource/agg/excel?product_key=XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX&variable=variable_1&variable=variable_2&variable=variable_N&duration=100h",  
[Headers=[Authorization="Api-Key XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"]]))
```

The URL and the http header have to be filled with the following elements:

- product_key=<RAS or IPL product_key>
- variable=<Name of the variable to collect> (The parameter can be added multiple times to get multiple variables at the same time)
- duration=<Duration with as units s (seconds) ,m (minutes),h (hours) ,d (days)> (optional, by default : 1h)
- end=<Date in iso 8601 format> (optional, default: current date)
- start=<Date in iso 8601 format> (optional, set start date instead of duration)
- Authorization : Api-Key <API key>



Select the table of product



Load data

3) USING THE GOOGLE DATA STUDIO CONNECTOR

Use the following link to choose the connector developed by Etic Telecom:

<https://datastudio.google.com/datasources/create?connectorId=AKfycbtpa4sZDYiBaTYPYbLp7Qqx5TV4cmd3-fAk36hYW6aAnskpWxjogHh9yE9SwE9AXzFuLw>

You will have to authorize the use of this connector.

Fill in the form :

Api-key in format « Api-Key <api key> »

Product key

- ➔ Product key of your ras/ipl
- ➔ Variables: list of variables to retrieve separated by a ',' (p. ex. Pump_pressure,T_moteur_pompe_1)

The screenshot shows the Google Data Studio interface for setting up a new data source. At the top, it says "Source de données sans titre" with a user icon. Below this is a blue button labeled "ASSOCIER". A back arrow and the text "SÉLECTIONNER UN CONNECTEUR" are visible. The connector "Store4Me" by "etic TELECOM" is selected. It includes the text "Par ETIC Telecom" and "Get your data from Store4Me API". A disclaimer states: "Il est de votre responsabilité de lire et de respecter toutes les conditions d'utilisation tierces applicables." An "Attention" warning icon is present with the text: "Ce connecteur n'a pas été vérifié ni validé. Nous vous recommandons de n'utiliser que des connecteurs de communauté provenant de sources fiables." Below this are two links: "EN SAVOIR PLUS" and "SIGNALER UN PROBLÈME". The "Paramètres" section contains three input fields: "enter api key" with a placeholder "Api-Key <key>", "product key" with a placeholder "product key", and "variables" with a placeholder "var1,var2,var3,...". Each field has a help icon. To the right of the "product key" and "variables" fields are checkboxes for "Autoriser la modification du paramètre 'product key' dans les rapports." and "Autoriser la modification du paramètre 'variables' dans les rapports." respectively, each with a help icon. At the bottom, it says "Cliquez sur 'ASSOCIER' pour continuer." and a link "Cliquez ici" for more information on data sharing.

Source de données sans titre

ASSOCIER

← SÉLECTIONNER UN CONNECTEUR

etic Store4Me
TELECOM

Par ETIC Telecom

Get your data from Store4Me API

Il est de votre responsabilité de lire et de respecter toutes les conditions d'utilisation tierces applicables.

⚠ Attention :Ce connecteur n'a pas été vérifié ni validé. Nous vous recommandons de n'utiliser que des connecteurs de communauté provenant de sources fiables.

[EN SAVOIR PLUS](#) [SIGNALER UN PROBLÈME](#)

Paramètres

enter api key
Api-Key <key>

product key
product key

variables ?
var1,var2,var3,...

☐ Autoriser la modification du paramètre "product key" dans les rapports.

☐ Autoriser la modification du paramètre "variables" dans les rapports.

Cliquez sur "ASSOCIER" pour continuer.

[Cliquez ici](#) pour savoir comment vos données sont partagées lorsque vous autorisez les éditeurs de vos rapports à modifier les valeurs des paramètres.

This connector is directly indexed on the time range associated with the report.

4) JSON API DOCUMENTATION

Download aggregated data

Endpoint:: GET https://store4me.etictelcom.com/api/mod_datalogger/datasource/agg

http arguments:

- product_key=<RAS or IPL product_key>
- variable=<name of the variable to collect> (The parameter can be added multiple times)
- duration=<duration with as units s (seconds) ,m (minutes),h (hours) ,d (days)> (optional, by default : 1h)
- end=<date in iso 8601 format> (optional, default: current date)
- start=<date in iso 8601 format> (optional, set start date instead of duration)

http request header :

- Authorization : Api-Key <API key>

The sample size is defined according to the size of the requested range:

- 0-25h : 30s
- 25h-50h: 60s
- 50h-100h : 120s
- 100h-250h : 5m
- 250h-500h : 10m
- 500h-750h : 15m
- 750h-1500h : 30m
- 1500h-3000h : 1h
- 3000h-6000h : 2h
- 6000h-9000h : 3h
- 9000h-18000 : 6h
- 18000h-36000h : 12h
- > 36000h : 24h

Response:

```
[
  {
    "datetime": <String: datetime in iso8601>,
    <string: product key>: {
      <String : variable name>: {
        "median": <float: median of the sampling>,
        "min": <float: min of the sampling >,
        "max": "min": <float: max of the sampling >,
      }
    },
    ....
  },
  ...
]
```

Errors:

if not logged in:

- return **http 401 Unauthorized**

if the user does not have access rights or the data is non-existent:

- return **http 403 Forbidden**

Download raw data

Endpoint: GET: https://store4me.etictelcom.com/api/mod_datalogger/datasource/raw

http arguments:

- product_key=<RAS or IPL product_key>
- variable=<name of the variable to collect> (The parameter can be added multiple times)
- duration=<duration with as units s (seconds) ,m (minutes),h (hours) ,d (days)> (optional, by default : 1h)
- end=<date in iso 8601 format> (optional, default: current date)
- start=<date in iso 8601 format> (optional, set start date instead of duration)

http request header :

- Authorization : API-Key

Response:

```
{
  <string: product key>: {
    <String : variable name>: [
      {
        "datetime": < String: datetime in iso8601>,
        "value": <float: variable value>,
      },
      ...
    ],
    ...
  }
}
```

Errors:

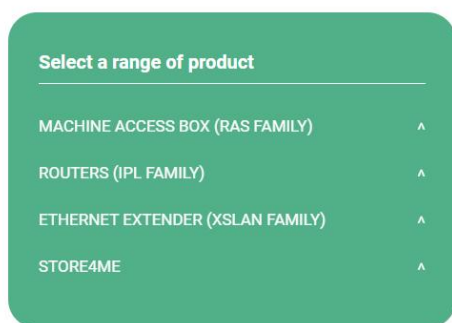
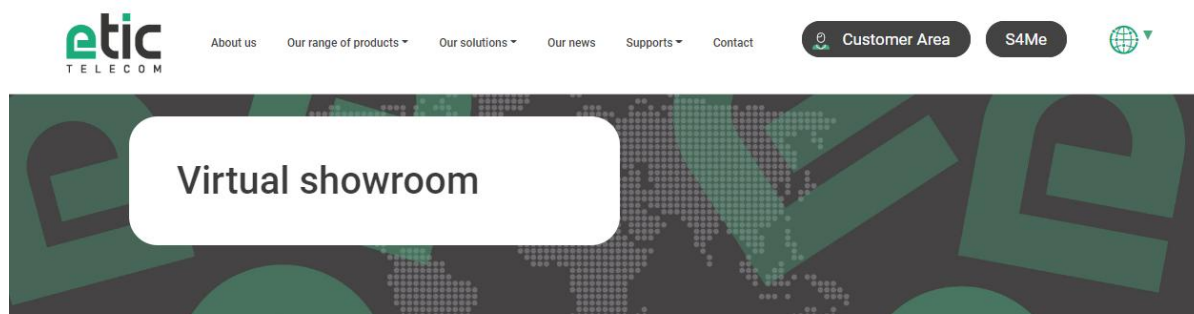
- If not logged in:
 - return **http 401 Unauthorized**
- If the user does not have access rights or the data is non-existent:
 - return **http 403 Forbidden**
- If the size of the requested range is greater than 25h
 - return **http 413 Payload Too Large**

5) SUPPORT DURING YOUR TESTS

You can contact our hotline on +33 4 76 04 20 05 or hotline@etictelcom.com.

6) VIRTUAL SHOWROOM (ACCESSIBLE FROM THE HOME PAGE OF THE WEBSITE)

You also have the possibility by simply connecting to our WEB site www.etictelcom.com ("Supports" section then "Virtual Showroom") to familiarize yourself with the configuration of our products



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