

# ELOVERBLIK

Tredjeparters adgang til kunders data via  
API-kald

# TREDJEPARTERS ADGANG TIL KUNDERS DATA VIA API-KALD

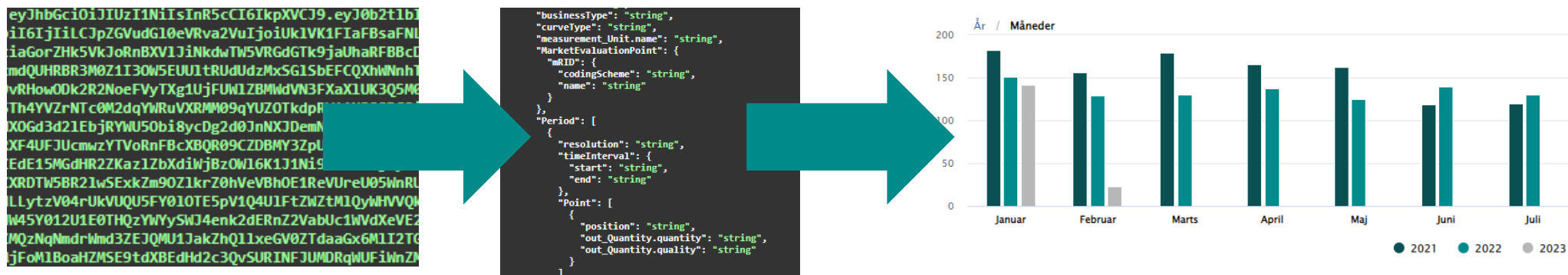
## Indholdsfortegnelse

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# ADGANG TIL DATA VIA API-KALD

Som tredjepart kan du logge på [EIOverblik](#) og eksportere dine kunders data til Excel.

Det er også muligt at foretage API-kald, så du kan automatisere hentning af data og omsætte rådata i JSON- eller XML-format til en ønsket visning i eget system.



**BEMÆRK** venligst at vi forventer at du har en grundlæggende viden om API-kald, hvis du ønsker at tilgå data via denne løsning.

# TEKNISK BESKRIVELSE OG DATABESKRIVELSE AF KUNDE- OG TREDJEPARTS-API

På vores [hjemmeside](#) finder du 2 dokumenter, som vi vil bede dig om at læse, hvis du ønsker at kalde på data via vores tredjeparts-API..

## Teknisk beskrivelse

## Databeskrivelse

 **CUSTOMER AND THIRD PARTY API FOR DATAHUB ELOVERBLIK TECHNICAL DESCRIPTION** >



 **CUSTOMER AND THIRD PARTY API FOR DATAHUB ELOVERBLIK DATA DESCRIPTION** >



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# SÅDAN OPRETTER DU ET REFRESHTOKEN

Du kan via EIOverblik danne et såkaldt refreshtoken.

Med et refreshtoken kan du danne et dataaccesstoken, som er en forudsætning for at kunne kalde på dine kunders data. Et refreshtoken er gyldig i et år og et dataaccesstoken er gyldig i 24 timer.

BEMÆRK venligst at tokenet giver adgang til data fra alle fuldmagter, som du har fået fra dine kunder.

Klik på profilikonet og vælg derefter "API ADGANG".

The screenshot shows the EIOverblik interface. The main heading is 'Fuldmagter'. Below it, there is a search bar with 'Søgekriterier' and 'Søgeværdi'. A table lists several entries with columns for FuldmagtsID, Oprettet, Fra dato, Til dato, Fremtidige målepunkter, Kundenøgle, CVR-nummer, and Kundenavn. A navigation menu is open on the right, showing options: PROFIL, RETTIGHEDSSTYRING, DINE FULDMAGTER, and API ADGANG. A 'LOG UD' button is at the bottom of the menu. Arrows point to the profile icon in the top right and the 'API ADGANG' option in the navigation menu.

FuldmagtsID	Oprettet	Fra dato	Til dato	Fremtidige målepunkter	Kundenøgle	CVR-nummer	Kundenavn
110237	08-02-2023	08-02-2019	08-02-2026	Ikke tilladt	Alfarvej		Mona Lisa



# SÅDAN SLETTER DU ET REFRESHTOKEN

Du kan slette dit refreshtoken ved at klikke på skraldespandsikonet til højre.  
Klik på "OK".

The screenshot shows the 'Adgang til data fra Eloverblik via API' page. The header includes the Eloverblik logo, navigation links (OM OS, FAQ, KONTAKT), and language options (DK, EN). The main heading is 'Adgang til data fra Eloverblik via API' with a subtitle 'Her kan du oprette og administrere tokens til API udtræk af data fra Eloverblik.' Below this is a search bar and a table of tokens. The table has columns for 'Navn', 'Udløbsdato', and 'Aktivitets status'. One token is listed with 'FirmaA' as the name, '28.02.2024' as the expiration date, and a toggle switch for 'Aktivitets status'. A yellow arrow points to a trash icon next to this token. A large teal arrow points from this icon to a confirmation dialog box. The dialog box is titled 'Bekræft sletning' and contains the text 'Er du sikker på, at du ønsker at slette den valgte token?'. It has an 'OK' button highlighted with a yellow arrow.

Bemærk at du ikke kan genskabe et slettet token.

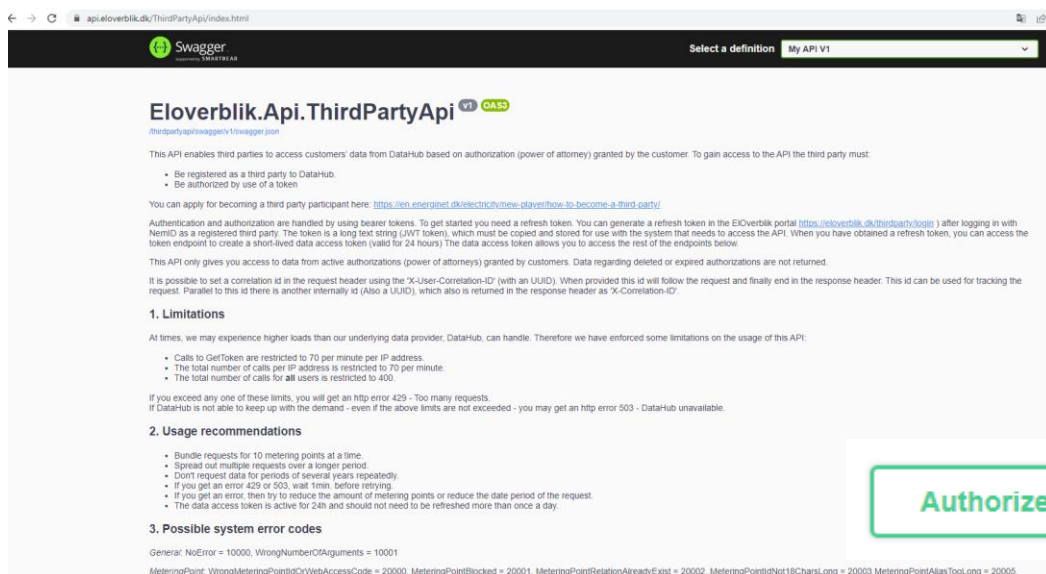
Du skal oprette et nyt token, hvis du igen ønsker at kalde på data via tredjeparts-API'et

# SWAGGER TIL TREDJEPARTS-API'ET

Vi har udstedt en swagger, hvor du ved hjælp af dit refreshtoken kan afprøve de forskellige API-kald, som er beskrevet i dokumentet "Technical description".

Du finder swaggeren via dette link: <https://api.eloverblik.dk/ThirdPartyApi/index.html>

Klik på "Authorize" og husk at skrive "Bearer " (altså Bearer efterfulgt af mellemrum) foran dit token



Swagger  
My API V1

## Eloverblik.Api.ThirdPartyApi

This API enables third parties to access customers' data from DataHub based on authorization (power of attorney) granted by the customer. To gain access to the API the third party must:

- Be registered as a third party to DataHub.
- Be authorized by use of a token.

You can apply for becoming a third party participant here: <https://en.energinet.dk/elektricitet/nyere-players/how-to-become-a-third-party/>

Authentication and authorization are handled by using bearer tokens. To get started you need a refresh token. You can generate a refresh token in the Eloverblik portal (<https://eloverblik.dk/thirdparty/login>) after logging in with NemID as a registered third party. The token is a long text string (JWT token), which must be copied and stored for use with the system that needs to access the API. When you have obtained a refresh token, you can access the token endpoint to create a short-lived data access token (valid for 24 hours). The data access token allows you to access the rest of the endpoints below.

This API only gives you access to data from active authorizations (power of attorneys) granted by customers. Data regarding deleted or expired authorizations are not returned.

It is possible to set a correlation id in the request header using the "X-User-Correlation-ID" (with an UUID). When provided this id will follow the request and finally end in the response header. This id can be used for tracking the request. Parallel to this id there is another internally id (Also a UUID), which also is returned in the response header as "X-Correlation-ID".

### 1. Limitations

At times, we may experience higher loads than our underlying data provider, DataHub, can handle. Therefore we have enforced some limitations on the usage of this API:

- Calls to GetToken are restricted to 70 per minute per IP address.
- The total number of calls per IP address is restricted to 70 per minute.
- The total number of calls for all users is restricted to 400.

If you exceed any one of these limits, you will get an http error 429 - Too many requests. If DataHub is not able to keep up with the demand - even if the above limits are not exceeded - you may get an http error 503 - DataHub unavailable.

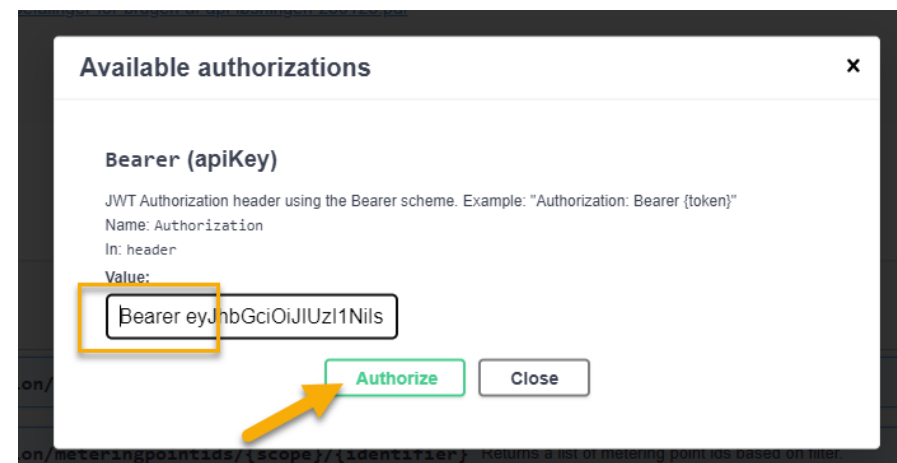
### 2. Usage recommendations

- Bundle requests for 10 metering points at a time.
- Spread out multiple requests over a longer period.
- Don't request data for periods of several years repeatedly.
- If you get an error 429 or 503, wait 5 mins, before retrying.
- If you get an error, then try to reduce the amount of metering points or reduce the date period of the request.
- The data access token is active for 24h and should not need to be refreshed more than once a day.

### 3. Possible system error codes

General: NoError = 10000, WrongNumberOfArguments = 10001

MeteringPoint: WrongMeteringPointOrWebAccessCode = 20000, MeteringPointBlocked = 20001, MeteringPointRelationAlreadyExists = 20002, MeteringPointsNotInChartList.org = 20003, MeteringPointAliasTool.org = 20005.



### Available authorizations

**Bearer (apiKey)**

JWT Authorization header using the Bearer scheme. Example: "Authorization: Bearer {token}"

Name: Authorization  
In: header  
Value:

Bearer eyJhbGciOiJIUzI1NiIs

Authorize Close



