

## Factsheet für sigo (ID : 443)

Zuletzt aktualisiert: 31.05.2026 05:00

Der Datenlieferant sigo hat folgende Zonen:

- sigo Neuss (Neuss) (ID : 458)
- sigo Moers (Moers) (ID : 457)
- sigo Meerbusch (Meerbusch) (ID : 456)
- sigo Köln (Köln) (ID : 455)
- sigo Krefeld (Krefeld) (ID : 454)
- sigo Gelsenkirchen (Gelsenkirchen) (ID : 453)
- sigo Düsseldorf (Düsseldorf) (ID : 452)
- sigo Bochum (Bochum) (ID : 451)
- sigo Bocholt (Bocholt) (ID : 450)

**Gebündelte Daten aller sigo-Zonen (ID: 443)**

### GBFS

Für den Datenlieferanten sigo können über die folgenden GBFS-Endpunkte Daten abgefragt werden:

- <https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/{Gbfs Endpunkt}.json>

| GBFS Endpunkt        | GBFS Version |
|----------------------|--------------|
| GBFS                 | 2.3, 3.0     |
| SYSTEM_INFORMATION   | 2.3, 3.0     |
| VEHICLE_TYPES        | 2.3, 3.0     |
| STATION_INFORMATION  | 2.3, 3.0     |
| STATION_STATUS       | 2.3, 3.0     |
| FREE_BIKE_STATUS     | 2.3          |
| SYSTEM_PRICING_PLANS | 2.3, 3.0     |
| MANIFEST             | 2.3, 3.0     |
| VEHICLE_STATUS       | 3.0          |

### GraphQL

GraphQL-Queries erlauben das Abfragen gebündelter Feeds mehrerer Provider. Welche Feeds gebündelt werden kann über den Provider Filter gesteuert werden. Mehr Informationen zu gebündelten Feeds und Filtern können Sie der MDD NRW Schnittstellenbeschreibung entnehmen.

### Legende

- *Kursiver Datentyp*: Aufzählung. Im GraphQL Schema sind alle möglichen Werte aufgelistet.
- **Fetter Datentyp**: Komplexer Datentyp, genaue Definition findet sich im Factsheet und im GraphQL Schema
- [Datentyp] mit eckigen Klammern: Liste mit Einträgen des jeweiligen Datentyps.
- Map(Datentyp1, Datentyp2): Eine Zuordnungstabelle für assoziative Daten.

## Provider

Endpunkte: *listProviders*, *providerById*

Beschreibung: Complex datatype for information about providers. A provider is a source of data from which the MDD NRW receives information.

| Attribut           | Datentyp            | Beschreibung   | Beispiel |
|--------------------|---------------------|--|----------|
| id                 | Long                | The id is a unique identifier within the same class.   | 5179     |
| name               | String              | Name of this provider  | VRS      |
| childProviders     | [Provider]          | Provider has a list of child providers which often represent different zones   |          |
| parentProvider     | <b>Provider</b>     | Provider belongs to this parent provider   |          |
| active             | boolean             | If a provider is active, the data for this provider is updated regularly. A value of "true" equals the state active. |          |
| vehicles           | [Vehicle]           | Vehicles of this provider  |          |
| pricingPlans       | [PricingPlan]       | Pricing plans of this provider   |          |
| sharingStations    | [SharingStation]    | Sharing stations of this provider  |          |
| systemInformations | [SystemInformation] | System information of this provider  |          |
| vehicleTypes       | [VehicleType]       | Vehicle types of this provider   |          |

## Vehicle

Endpunkte: *listVehicles*, *vehicleById*

Beschreibung: Complex datatype for information about vehicles, for example scooters, bikes and cars.

| Attribut          | Datentyp              | Beschreibung  | Beispiel             |
|-------------------|-----------------------|---|----------------------|
| id                | Long                  | The id is a unique identifier within the same class.                                  | 5179                 |
| provider          | <b>Provider</b>       | The provider this entity belongs to   |                      |
| lastUpdated       | Date                  | This entity was last loaded into the MDD NRW at this point. The date is given in UTC. | 2024-07-30T09:30:00Z |
| externalId        | String                | Id given by provider  |                      |
| lat               | Double                | Current WGS84 latitude of the vehicle in decimal degrees                              | 51.890169            |
| lon               | Double                | Current WGS84 longitude of the vehicle in decimal degrees                             | 6.100169             |
| station           | <b>SharingStation</b> | The station in which the vehicle is currently located                                 |                      |
| vehicleType       | <b>VehicleType</b>    | Vehicle type of the vehicle   |                      |
| status            | <i>Status</i>         | Current status of the vehicle   | AVAILABLE            |
| remainingRangeInM | Integer               | Remaining range of vehicle in meters with current charge                              |                      |
| pricingPlan       | <b>PricingPlan</b>    | Pricing information for the corresponding vehicle                                     |                      |
| isReserved        | Boolean               | "true" if the vehicle is currently reserved   |                      |
| isDisabled        | Boolean               | "true" if the vehicle is currently disabled   |                      |
| rentalUris        | <b>RentalUris</b>     | Rental URIs for Android, iOS and Web  |                      |
| lastReported      | Date                  | The last time this station reported its status to the operator's backend.             | 2024-07-30T09:30:00Z |
| homeStation       | <b>SharingStation</b> |   |                      |

## SharingStation

Endpunkte: *listSharingStations*, *sharingStationById*

Beschreibung: Complex datatype for information about sharing stations.

| Attribut | Datentyp | Beschreibung | Beispiel |
|----------|----------|--------------|----------|
|----------|----------|--------------|----------|

|                   |                       |   |                      |
|-------------------|-----------------------|---|----------------------|
| id                | Long                  | The id is a unique identifier within the same class.                                  | 5179                 |
| provider          | <b>Provider</b>       | The provider this entity belongs to   |                      |
| lastUpdated       | Date                  | This entity was last loaded into the MDD NRW at this point. The date is given in UTC. | 2024-07-30T09:30:00Z |
| externalId        | String                | Id given by the provider  |                      |
| name              | String                | Name of the sharing station   |                      |
| lat               | Double                | WGS84 latitude of the sharing station in decimal degrees                              | 51.890169            |
| lon               | Double                | WGS84 longitude of the sharing station in decimal degrees                             | 6.100169             |
| address           | String                | Address of the sharing station  | Hauptstraße 35       |
| rentalMethods     | <i>[RentalMethod]</i> | Payment methods accepted at this station  |                      |
| isVirtualStation  | Boolean               | Is this station a location with smart dock technology?                                |                      |
| isChargingStation | Boolean               | Does the station support charging of electric vehicles?                               |                      |
| numBikesAvailable | Integer               | Number of available vehicles of any type at the station                               |                      |
| numDocksAvailable | Integer               | Number of functional docks physically at the station                                  |                      |

|                            |  |  |                      |
|----------------------------|--|--|----------------------|
| vehicleTypesAvailable      | Map(VehicleType, VehicleTypesAvailability) | Number of available vehicles of a vehicleType at a sharingStation        |                      |
| isInstalled                | Boolean                                    | “true” if the station is currently on the street                         |                      |
| isRenting                  | Boolean                                    | “true” if the station is currently renting vehicles                      |                      |
| isReturning                | Boolean                                    | “true” if the station is currently accepting vehicle returns             |                      |
| lastReported               | Date                                       | The last time this station reported its status to the operator's backend | 2024-07-30T09:30:00Z |
| currentlyStationedVehicles | [Vehicle]                                  | List of vehicles currently parked at this station                        |                      |
| homeStationVehicles        | [Vehicle]                                  | Vehicles that must be returned to this station                           |                      |

### VehicleTypesAvailability

Beschreibung: Complex datatype for the count of vehicles of a given type.

| Attribut       | Datentyp              | Beschreibung   | Beispiel |
|----------------|-----------------------|--|----------|
| sharingStation | <b>SharingStation</b> | VehicleTypesAvailability applies for this sharing station.     |          |
| vehicleType    | <b>VehicleType</b>    | VehicleTypesAvailability applies for this sharing station.     |          |
| count          | Integer               | Number of vehicles of vehicleType available at sharing station |          |

## VehicleType

Endpunkte: *listVehicleTypes*, *vehicleTypeById*

Beschreibung: Complex datatype for information about vehicle types. Vehicles of the same type share the available attributes.

| Attribut              | Datentyp                       | Beschreibung  | Beispiel             |
|-----------------------|--------------------------------|---|----------------------|
| id                    | Long                           | The id is a unique identifier within the same class.                                  | 5179                 |
| provider              | <b>Provider</b>                | The provider this entity belongs to   |                      |
| lastUpdated           | Date                           | This entity was last loaded into the MDD NRW at this point. The date is given in UTC. | 2024-07-30T09:30:00Z |
| type                  | String                         | External id given by provider   |                      |
| formFactor            | <i>VehicleFormFactor</i>       | The vehicle's general form factor   | SCOOTER              |
| propulsionType        | <i>VehiclePropulsionType</i>   | The primary propulsion type of the vehicle  | ELECTRIC             |
| maxRangeMeters        | Integer                        | Maximum range in meters this vehicle can travel when fully charged without refueling  | 4000                 |
| returnConstraint      | <i>VehicleReturnConstraint</i> | The conditions for returning the vehicle at the end of the rental                     | FREE_FLOATING        |
| defaultPricingPlan    | <b>PricingPlan</b>             | Default pricing plan for this vehicle type  |                      |
| vehicles              | [Vehicle]                      | Vehicles that have this vehicle type  |                      |
| vehicleTypesAvailable | [VehicleTypesAvailability]     | Number of available vehicles of a vehicleType at this sharing station                 |                      |

## PricingPlan

Endpunkte: *listPricingPlans*, *pricingPlanById*

Beschreibung: Complex datatype for information about pricing plans.

| Attribut                           | Datentyp             | Beschreibung   | Beispiel             |
|------------------------------------|----------------------|--|----------------------|
| id                                 | Long                 | The id is a unique identifier within the same class.   | 5179                 |
| provider                           | <b>Provider</b>      | The provider this entity belongs to  |                      |
| lastUpdated                        | Date                 | This entity was last loaded into the MDD NRW at this point. The date is given in UTC.  | 2024-07-30T09:30:00Z |
| externalId                         | String               | External id given by provider  |                      |
| name                               | String               | Name of the pricing plan   |                      |
| currency                           | <i>PriceCurrency</i> | Currency used to pay the price   | EUR                  |
| price                              | Double               | Price in unit specified by currency  | 1.29                 |
| isTaxable                          | Boolean              | Indicates whether additional tax will be added to the price  |                      |
| description                        | String               | Description  |                      |
| perMinPricing                      | [PricingModel]       | Additional price per time interval. The time interval length and the price per interval differ depending on the ride length. |                      |
| vehicleTypesWithDefaultPricingPlan | [VehicleType]        | List of vehicle types that have this pricing plan as a default   |                      |
| vehicles                           | [Vehicle]            | Vehicles using this pricing plan   |                      |
| isMinimalPrice                     | Boolean              | Indicates whether the pricing information describes the minimal and not the complete price for using this vehicle.           |                      |

## PricingModel

Beschreibung: Complex datatype for information about the pricing model for a ride. Pricing Models are either based on duration or distance.

| Attribut | Datentyp | Beschreibung                                     | Beispiel |
|----------|----------|--|----------|
| start    | Integer  | The pricing model applies when start is reached. | 0        |
| rate     | Double   | Price per interval                               | 0.22     |
| interval | Integer  | Interval length                                  | 1        |

## RentalUris

Beschreibung: Complex datatype for information about rental URIs for Android, iOS and Web

| Attribut | Datentyp | Beschreibung           | Beispiel |
|----------|----------|------------------------|----------|
| android  | String   | Rental URI for Android |          |
| ios      | String   | Rental URI for iOS     |          |

## SystemInformation

Endpunkte: *listSystemInformation*, *systemInformationById*

Beschreibung: Complex datatype for information about the system of a provider. A provider can have multiple systems with differing information. Contains for example contact details and language information.

| Attribut           | Datentyp          | Beschreibung  | Beispiel             |
|--------------------|-------------------|---|----------------------|
| id                 | Long              | The id is a unique identifier within the same class.                                  | 5179                 |
| provider           | <b>Provider</b>   | The provider this entity belongs to   |                      |
| lastUpdated        | Date              | This entity was last loaded into the MDD NRW at this point. The date is given in UTC. | 2024-07-30T09:30:00Z |
| systemId           | String            | External id given by provider   |                      |
| language           | String            | Language of information by this provider  |                      |
| name               | String            | Name of the system  |                      |
| url                | String            | Url of the system   |                      |
| email              | String            | Email address of this system's customer service department                            |                      |
| timezone           | String            | The timezone where the system is located  |                      |
| termsUrl           | String            | URL pointing to the terms of service  |                      |
| termsLastUpdated   | LocalDate         | The date that the terms of service provided at termsUrl were last updated.            |                      |
| privacyUrl         | String            | URL pointing to the privacy policy for the service                                    |                      |
| privacyLastUpdated | LocalDate         | The date that the privacy policy provided at privacyUrl was last updated              |                      |
| rentalApps         | <b>RentalApps</b> | Rental app information  |                      |

## RentalApps

Beschreibung: Complex datatype for rental app information.

| Attribut | Datentyp      | Beschreibung                       | Beispiel |
|----------|---------------|------------------------------------|----------|
| android  | <b>AppUri</b> | Rental app information for android |          |
| ios      | <b>AppUri</b> | Rental app information for ios     |          |

## AppUri

Beschreibung: Complex datatype for app URI information.

| Attribut     | Datentyp | Beschreibung   | Beispiel |
|--------------|----------|--|----------|
| discoveryUri | String   | URI that can be used to discover if the rental app is installed on the device. |          |
| storeUri     | String   | URI where the rental app can be downloaded from.                               |          |