

Factsheet für Bundesnetzagentur (ID : 41)

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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 |
| active | boolean | If a provider is active, the data for this provider is updated regularly. A value of "true" equals the state active. | |
| parkingFacilities | [ParkingFacility] | Parking facilities of this provider | |
| chargingStations | [ChargingStation] | Charging stations of this provider | |

ParkingFacility

Endpunkte: *listParkingFacilities*, *parkingFacilityById*

Beschreibung: Complex datatype for information about parking facilities. Contains for example the address, coordinates and pricing information about the corresponding facility.

| Attribut | Datentyp | Beschreibung | Beispiel |
|-------------|--------------------|--|--------------------------|
| id | Long | The id is a unique identifier within the same class. | 5179 |
| provider | Provider | 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 | |
| name | String | Name of the parking facility | |
| 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 parking facility | Hauptstraße 35 |
| postCode | String | Postcode of the parking facility | 40210 |
| parkingType | <i>ParkingType</i> | Type of the parking facility | BIKEBOX |

ChargingStation

Endpunkte: *listChargingStations, chargingStationById*

Beschreibung: Complex datatype for information about charging stations. Contains for example the name of the operator and a description of the charging point.

| Attribut | Datentyp | Beschreibung | Beispiel |
|-----------------|------------------------|--|----------------------|
| id | Long | The id is a unique identifier within the same class. | 5179 |
| provider | Provider | 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 | |
| description | String | Description | |
| operatorName | String | Name of the operator | |
| parkingFacility | ParkingFacility | Belongs to this parking facility | |
| chargingPoints | [ChargingPoint] | Charging points at this charging station | |

ChargingPoint

Beschreibung: Complex datatype for information about a charging point. Contains for example information about the power and plug.

| Attribut | Datentyp | Beschreibung | Beispiel |
|------------------|-------------------------|--|-----------|
| id | Long | The id is a unique identifier within the same class. | 5179 |
| power | String | Power at the charging point | |
| otherPlugs | String | Other types of plugs | |
| chargingPlugType | <i>ChargingPlugType</i> | Type of charging plug | AC_SCHUKO |
| chargingStation | ChargingStation | Belongs to this charging station | |
| publicKey | String | Public Key | |