

# 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	<b>[ParkingFacility]</b>	Parking facilities of this provider	
chargingStations	<b>[ChargingStation]</b>	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	<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	
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	<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	
description	String	Description	
operatorName	String	Name of the operator	
parkingFacility	<b>ParkingFacility</b>	Belongs to this parking facility	
chargingPoints	<b>[ChargingPoint]</b>	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	<b>ChargingStation</b>	Belongs to this charging station	
publicKey	String	Public Key	