

Factsheet für DBConnect (ID : 39)

Zuletzt aktualisiert: 04.10.2024 04:00

Der Datenlieferant DBConnect hat folgende Zonen:

- Call a Bike (ID : 361)
- Drive CarSharing (ID : 363)
- eShare.one (ID : 367)
- Drive-CarSharing (ID : 366)
- Stadtwerke Meerbusch (ID : 365)
- Flinkster - Mein Carsharing (ID : 364)
- Ford Carsharing (ID : 362)

GBFS

GBFS-Versionen: 2.3

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

- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/vehicle_types.json
- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/free_bike_status.json
- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/station_information.json
- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/station_status.json
- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/geofencing_zones.json

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.	
parentProvider	Provider	Provider belongs to this parent provider	
childProviders	[Provider]	Provider has a list of child providers which often represent different zones	
geofencingZones	[GeofencingZone]	Geofencing zones of this provider	
vehicles	[Vehicle]	Vehicles of this provider	
vehicleTypes	[VehicleType]	Vehicle types of this provider	
sharingStations	[SharingStation]	Sharing stations of this provider	

GeofencingZone

Endpunkte: *listGeofencingZones*, *geofencingZoneById*

Beschreibung: Complex datatype for information about geofencing zones. Geofencing zones contain information about, for example, No-parking-Areas for vehicles of the corresponding provider.

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
name	String	Name of this geofencing zone	
coordinates	String	Coordinates representing a polygon covering the zone. The format can differ between providers.	<code>{"type":"MultiPolygon","coordinates":[[[[[6,50],...]]]]}</code> or <code>{"centroid":{"type":"Point","coordinates":[6,50]}}</code> , <code>"position":{"type":"Polygon","coordinates":[[[6,50],...]]}}</code> or <code>[[[[[6,50],...]]]]</code>
externalId	String	Id given by provider; the format differs between providers.	ABC-123456789-DEF
type	<i>GeofencingZoneType</i>	Zone type,	NO_PARKING

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	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	
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	SharingStation	The station in which the vehicle is currently located	
vehicleType	VehicleType	Vehicle type of the vehicle	
status	<i>Status</i>	Current status of the vehicle	AVAILABLE
information	String	Additional information	
plateNumber	String	Plate number of the vehicle	
batteryPercentage	Integer	Current charge of battery in percent	

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	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
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
model	String	The name of the vehicle model	

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	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 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
postCode	String	Postcode where the station is located	
currentlyStationedVehicles	[Vehicle]	List of vehicles currently parked at this station	