

Factsheet für DB Call a Bike (ID : 376)

Zuletzt aktualisiert: 30.01.2026 03:00

Geoserver

Für den Datenlieferanten DB Call a Bike können über die folgenden Geoserver Layer Daten abgefragt werden:

- Standorte Bikesharing (376)
- Fahrzeuge Bikesharing (376)
- Bikesharing-Stationen
- Bikesharing-Fahrzeuge
- Gebündelte Bikesharingdaten

GBFS

Für den Datenlieferanten DB Call a Bike 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
GEOFENCING_ZONES	2.3, 3.0
MANIFEST	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
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	
systemInformations	[SystemInformation]	System information of this provider	
sharingStations	[SharingStation]	Sharing stations of this provider	
vehicles	[Vehicle]	Vehicles of this provider	
vehicleTypes	[VehicleType]	Vehicle types of this provider	
geofencingZones	[GeofencingZone]	Geofencing zones of this provider	
childProviders	[Provider]	Provider has a list of child providers which often represent different zones	

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	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
systemId	String	External id given by provider	
language	String	Language of information by this provider	
name	String	Name of the system	
shortName	String	Short name of the system	
operator	String	Name of the system operator	
url	String	Url of the system	
feedContactEmail	String	Contact email to report technical issues with feeds	
timezone	String	The timezone where the system is located	
rentalApps	RentalApps	Rental app information	

RentalApps

Beschreibung: Complex datatype for rental app information.

Attribut	Datentyp	Beschreibung	Beispiel
android	AppUri	Rental app information for android	
ios	AppUri	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.	

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
numBikesAvailable	Integer	Number of available vehicles of any type at the station	
capacity	Integer	Maximum capacity of the station	
currentlyStationedVehicles	[Vehicle]	List of vehicles currently parked at this station	
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
vehicleTypesAvailable	Map(VehicleType, VehicleTypesAvailability)	Number of available vehicles of a vehicleType at a sharingStation	

VehicleTypesAvailability

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

Attribut	Datentyp	Beschreibung	Beispiel
sharingStation	SharingStation	VehicleTypesAvailability applies for this sharing station.	
vehicleType	VehicleType	VehicleTypesAvailability applies for this sharing station.	
count	Integer	Number of vehicles of vehicleType available at sharing station	

Vehicle

Endpunkte: *IsitVehicles*, *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	
rentalUris	RentalUris	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
isReserved	Boolean	"true" if the vehicle is currently reserved	
isDisabled	Boolean	"true" if the vehicle is currently disabled	

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	

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	
propulsionType	<i>VehiclePropulsionType</i>	The primary propulsion type of the vehicle	ELECTRIC
publicName	String	Public name of this vehicle type	
vehicleTypesAvailable	[VehicleTypesAvailability]	Number of available vehicles of a vehicleType at a sharingStation	

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	
geometry	Multipolygon	Geometry information for a geofencing zone	
rules	[GeofencingZoneRule]	List of rules that apply to this geofencing zone.	

Multipolygon

Beschreibung: Complex class representing a MultiPolygon

Attribut	Datentyp	Beschreibung	Beispiel
type	<i>GeoJsonType</i>	Type	MULTI_POLYGON
coordinates	[[[[Double]]]]	Multi-dimensional list of coordinates	[[[[6,50], ...]]]

GeofencingZoneRule

Beschreibung: Complex datatype for information about rules in geofencing zones.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
geofencingZone	GeofencingZone	The rules hold for this geofencing zone.	
rideAllowed	Boolean	“true” if a ride can start and stop in this zone.	
rideThroughAllowed	Boolean	“true” if a vehicle is allowed to pass the zone but cannot end the ride here.	