

Factsheet für MünsterlandRad (ID : 372)

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GBFS

GBFS-Versionen: 2.3

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

- https://mdd.vrs.de/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/system_information.json
- 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

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.	
vehicles	[Vehicle]	Vehicles of this provider	
vehicleTypes	[VehicleType]	Vehicle types of this provider	
sharingStations	[SharingStation]	Sharing stations of this provider	
systemInformations	[SystemInformation]	System information 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	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
isReserved	Boolean	“true” if the vehicle is currently reserved	
isDisabled	Boolean	“true” if the vehicle is currently disabled	
lastReported	Date	The last time this station reported its status to the operator's backend.	2024-07-30T09:30:00Z
homeStation	SharingStation		

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	

VehicleType

Endpunkte: *listVehicleTypes*, *vehicleType*

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
riderCapacity	Integer	The number of riders (driver included) the vehicle can legally accommodate.	
publicName	String	Public name of this vehicle type	
vehicleImageUrl	String	URL to an image that would assist the user in identifying the vehicle	
make	String	The name of the vehicle manufacturer	
model	String	The name of the vehicle model	
returnConstraint	<i>VehicleReturnConstraint</i>	The conditions for returning the vehicle at the end of the rental	FREE_FLOATING
vehicleCategoryId	String	Vehicle type category id	
vehicleTypesAvailable	[VehicleTypesAvailability]	Number of available vehicles of a vehicleType at a sharingStation	

AppUri

Beschreibung: Complex datatype for app URI information.

Attribut	Datentyp	Beschreibung	Beispiel
storeUri	String	URI where the rental app can be downloaded from.	

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	

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	
numBikesAvailable	int	Number of available vehicles of any type at the 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	2024-07-30T09:30:00
currentlyStationedVehicles	[Vehicle]	List of vehicles currently parked at this station	
homeStationVehicles	[Vehicle]	Station this vehicle must be returned to	

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	
url	String	Url of the system	
timezone	String	The timezone where the system is located	
termsUrl	String	URL pointing to the terms of service	
privacyUrl	String	URL pointing to the privacy policy for the service	
rentalApps	RentalApps	Rental app information	