

Factsheet für DB Flinkster (ID : 421)

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GBFS

GBFS-Versionen: 2.3, 3.0

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

- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/vehicle_types.json
- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/free_bike_status.json
- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/system_pricing_plans.json
- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/station_information.json
- https://mdd.gorheinland.com/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
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	
pricingPlans	[PricingPlan]	Pricing plans of this provider	

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	
capacity	Integer	Maximum capacity of the station	
numDocksAvailable	Integer	Number of functional docks physically at the station	
information	String	additional information about station	
city	String	City where the station is located	
currentlyStationedVehicles	[Vehicle]	List of vehicles currently parked at this station	
homeStationVehicles	[Vehicle]	Vehicles that must be returned to this station	

VehicleType

Endpunkte: *listeVehicleTypes*, *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
vehicleAccessories	[VehicleAccessory]	Additional information about the vehicle	KEYLESS, AUTOMATIC, DOORS_5
vehicles	[Vehicle]	Vehicles that have this vehicle type	
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
vehicleImageUrl	String	URL to an image that would assist the user in identifying the vehicle	

VehicleInavailability

Beschreibung: Complex datatype for information about vehicle inavailabilities.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
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
provider	Provider	The provider this entity belongs to	
vehicle	Vehicle	Inavailabilities apply to this vehicle	
beginTime	Date	Begin of inavailability	2024-07-30T09:30:00Z
endTime	Date	End of inavailability	2024-07-30T09:30:00Z

PricingPlan

Endpunkte: *listPricingPlans*, *pricingPlanById*

Beschreibung: Complex datatype for information about pricing plans.

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	External id given by provider	
isMinimalPrice	Boolean	Indicates whether the pricing information describes the minimal and not the complete price for using this vehicle.	
currency	<i>PriceCurrency</i>	Currency used to pay the price	EUR
price	Double	Price in unit specified by currency	1.29
isTaxable	Boolean	Indicates whether additional tax will be added to the price	