VRS ...verbindet!
Verkehrsverbund
Rhein-Sieg

Factsheet für VRR Mobilitäts- und Infrastrukturplattform (ID : 45)

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.	
locations	**[Location]**	Locations of this provider	
parkingFacilities	**[ParkingFacility]**	Parking facilities of this provider	

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Location

Endpunkte: *listLocations, locationById*

Beschreibung: Complex datatype for information about POIs. Contains for example name, type, address and coordinates of the corresponding POI.

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	Identifies a stop, station, or station entrance	
name	String	Name of the location	
description	String	Description of the location	
lat	Double	WGS84 latitude of the location in decimal degrees	51.890169
lon	Double	Current WGS84 longitude of the vehicle in decimal degrees	6.100169
locationType	*LocationType*	Type of the location	CINEMA
parentLocation	**Location**	Parent location	
childLocations	**[Location]**	Child locations	
city	String	City of the location	
state	*LocationState*	State of the location	MALFUNCTION
stringAttributes	**Map(StringAttributeKey, LocationStringAttribute)**	String attributes for this location	

ParkingFacility

Endpunkte: *listSharingStations, sharingStationById*

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	**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
nextPublicTransportLocation	**Location**	The next public transport location near the parking facility	
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
parkingType	*ParkingType*	Type of the parking facility	BIKEBOX
tariffs	**[Tariff]**	Tariffs for this parking facility	
capacities	**[Capacity]**	Capacity data	

LocationStringAttribute

Beschreibung: Complex datatype for the attributes of a location identified by a string.

Attribut	Datentyp	Beschreibung	Beispiel
location	**Location**	Attribute applies to this location	
stringAttributeKey	*StringAttributeKey*	Type of string attribute	OPENING_HOURS
value	String	Value of string attribute	

Url

Beschreibung: Complex datatype for URLs of a parking facility.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	**ParkingFacility**	The url applies to this parking facility.	
urlKey	*UrlKey*	The urlKey describes the purpose of the url.	DETAIL_PAGE_URL
urlValue	String	The url	

Tariff

Beschreibung: Tariff information

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	**ParkingFacility**	Tariff information applies to this parking facility	
type	*FeeType*	Fee type	FREE
currency	*PriceCurrency*	Currency	EUR
price	Float	Price	1.20
timeUnit	*TimeUnit*	Time unit	MINUTE or PER_MINUTE
count	Integer	Number of time units	30

Capacity

Beschreibung: Complex datatype for the capacity of a parking facility.

Attribut	Datentyp	Beschreibung	Beispiel
id	Long	The id is a unique identifier within the same class.	5179
parkingFacility	**ParkingFacility**	Capacity information applies to this parking facility	
capacityKey	*CapacityKey*	Type of capacity information	TOTAL_SLOTS
capacityValue	Integer	Capacity of type capacityKey	15