

Factsheet für go.Rheinland Infrastrukturatlas (ID : 40)

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Datex II

Datex II-Version: 3.1

Schema-Dateien: <https://download.vrs.de/mdd/datex2-schema.zip>

Für den Datenlieferanten go.Rheinland Infrastrukturatlas können über die folgenden Datex II-Endpunkte Daten abgefragt werden:

- <https://mdd.gorheinland.com/datex2-output/{Datex II Version}/{Datenlieferanten ID}>

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 | |

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. If the externalId is a DHID ('deutschlandweit einheitliche Haltestellen-ID'), information by other providers about this location can be found by filtering the locations by tis externalId. | |
| code | String | Short text or a number that identifies the location for riders | |
| 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 | WGS84 longitude of the location in decimal degrees | 6.100169 |
| locationType | <i>LocationType</i> | Type of the location | CINEMA |
| parentLocation | Location | Parent location | |
| city | String | City of the location | |
| county | String | County of the location | |
| district | String | District of the location | |
| stringAttributes | Map(StringAttributeKey,LocationStringAttribute) | String attributes for this location | |

| | | |
|-------------------|--|--------------------------------------|
| integerAttributes | Map(IntegerAttributeKey,LocationIntegerAttribute) | Integer attributes for this location |
| features | [LocationFeature] | Features for this location |

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 | <i>StringAttributeKey</i> | Type of string attribute | OPENING_HOURS |
| value | String | Value of string attribute | |

LocationIntegerAttribute

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

| Attribut | Datentyp | Beschreibung | Beispiel |
|---------------------|----------------------------|------------------------------------|------------|
| location | Location | Attribute applies to this location | |
| integerAttributeKey | <i>IntegerAttributeKey</i> | Type of integer attribute | ESCALATORS |
| value | Integer | Value of integer attribute | |

LocationFeature

Beschreibung: Complex datatype for additional location features.

| Attribut | Datentyp | Beschreibung | Beispiel |
|----------|--------------------|----------------------------------|----------|
| location | Location | Feature applies to this location | |
| feature | <i>FeatureType</i> | Feature | ROOF |

ParkingFacility

Endpunkte: *listParkingFacilities*, *parkingFacilityById*

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 |
| 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 | <i>ParkingType</i> | Type of the parking facility | BIKEBOX |
| features | [ParkingFacilityFeature] | Parking facility features contain additional information about the parking facility. | |
| capacities | [Capacity] | Capacity data | |

ParkingFacilityFeature

| Attribut | Datentyp | Beschreibung | Beispiel |
|-----------------|------------------------|--|----------|
| parkingFacility | ParkingFacility | The parking facility feature applies to this parking facility. | |
| feature | <i>FeatureType</i> | Feature type | ROOF |

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 | <i>CapacityKey</i> | Type of capacity information | TOTAL_SLOTS |
| capacityValue | Integer | Capacity of type capacityKey | 15 |