

Factsheet für VRS GTFS (ID : 328)

Zuletzt aktualisiert: 04.10.2024 04:00

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. | |
| agencies | [Agency] | Agencies of this provider | |
| serviceCalendars | [ServiceCalendar] | ServiceCalendars of this provider | |
| serviceCalendarDeviations | [ServiceCalendarDeviation] | ServiceCalendarDeviations of this provider | |
| feedInfos | [FeedInfo] | FeedInfo of this provider | |
| routes | [Route] | Routes of this provider | |
| shapes | [Shape] | Shapes of this provider | |
| stopTimes | [StopTime] | StopTimes of this provider | |
| locations | [Location] | Locations of this provider | |
| transferDetails | [TransferDetail] | TransferDetails of this provider | |
| trips | [Trip] | Trips of this provider | |

Agency

Endpunkte: *listAgencies*, *agencyById*

Beschreibung: Complex datatype for information about the agency of a provider. Providers can have multiple agencies.

| 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 |
| agencyId | String | Id given by provider | |
| name | String | Name of the agency | |
| url | String | Url of the agency | |
| timeZone | String | Timezone where the agency is located | |
| languageCode | String | Primary language used by this agency | |
| phoneNumber | String | Phone number of this agency | |
| routes | [Route] | Routes of this agency | |

ServiceCalendar

Endpunkte: *listServiceCalendars*, *serviceCalendarById*

Beschreibung: Complex datatype for the service calendar.

| 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 | |
| monday | Boolean | "true" if this service operates on all Mondays in the given date range. | |
| tuesday | Boolean | "true" if this service operates on all Tuesdays in the given date range. | |
| wednesday | Boolean | "true" if this service operates on all Wednesdays in the given date range. | |
| thursday | Boolean | "true" if this service operates on all Thursdays in the given date range. | |
| friday | Boolean | "true" if this service operates on all Fridays in the given date range. | |
| saturday | Boolean | "true" if this service operates on all Saturdays in the given date range. | |
| sunday | Boolean | "true" if this service operates on all Sundays in the given date range. | |
| startDate | Date | Start date of this service calendar | 2023-10-10 00:00:00.000 |
| endDate | Date | End date of this service calendar | 2023-10-10 00:00:00.000 |
| deviations | [ServiceCalendarDeviation] | Deviations from this service calendar | |
| trips | [Trip] | Trips for which this service calendar applies | |

ServiceCalendarDeviation

Endpunkte: *listServiceCalendarDeviations*, *serviceCalendarDeviationById*

Beschreibung: Complex datatype for the service calendar deviation.

| 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 |
| serviceCalendar | ServiceCalendar | Deviation applies to this service calendar | |
| serviceId | String | Service id | |
| date | Date | Date for which the deviation applies | 2024-06-06 00:00:00 |
| exceptionType | <i>ServiceExceptionType</i> | The type of deviation | OFFERED or CANCELED |

FeedInfo

Endpunkte: *listFeedInfos*, *feedInfoById*

| 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 |
| publisherName | String | Full name of the organization that publishes the dataset | |
| publisherUrl | String | URL of the dataset publishing organization's website | |
| language | String | Default language used for the text in this dataset | |
| startDate | Date | The dataset provides schedule information for service in the period from the beginning of the day in startDate to the end of the day in endDate | |
| endDate | Date | The dataset provides schedule information for service in the period from the beginning of the day in startDate to the end of the day in endDate | |
| feedVersion | String | String that indicates the current version of the dataset | |

Route

Endpunkte: *listRoutes*, *routeById*

Beschreibung: Complex datatype for the route.

| 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 | |
| agency | Agency | Agency of the route | |
| shortName | String | Short name of the route | |
| name | String | Name of the route | |
| type | <i>RouteType</i> | Indicates the type of transportation used on a route | STREET_RAIL |
| colorRgb | String | Route color designation that matches public facing material | |
| colorRgbText | String | Legible color to use for text drawn against a background of colorRgb | |
| trips | [Trip] | Trips of this route | |

Shape

Endpunkte: *listShapes*, *shapeById*

Beschreibung: Complex datatype for the shape.

| 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 | |
| coordinatesSequential | String | Coordinates for this shape in sequential order | [[7.1,51.1],[7.2,51.1], [7.2,51.2],[7.1,51.2], [7.1,51.1]] |
| trips | [Trip] | Trips for which the vehicle travels along the shape described here | |

StopTime

Endpunkte: *listStopTimes*, *stopTimeById*

Beschreibung: Complex datatype for the stop time.

| 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 |
| trip | Trip | The stop time applies to this trip at the specified location. | |
| arrivalTime | String | Arrival time at the location for the specified trip in Format HH::MM:SS. For times occurring after midnight on the service day, the times are greater than 24:00:00. | 27:15:00 |
| departureTime | String | Departure time at the location for the specified trip in Format HH::MM:SS. For times occurring after midnight on the service day, the times are greater than 24:00:00. | 27:15:00 |
| location | Location | The stop time applies to this location and the specified trip. | |
| locationSequence | Integer | Order of stops, location groups, or GeoJSON locations for a particular trip. | |
| headSign | String | Text that appears on signage identifying the trip's destination to riders. | |
| pickUpType | <i>BoardingType</i> | Indicates pickup method | UNAVAILABLE |
| dropOffType | <i>BoardingType</i> | Indicates drop off method | UNAVAILABLE |

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 | |
| 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 | Current WGS84 longitude of the vehicle in decimal degrees | 6.100169 |
| locationType | <i>LocationType</i> | Type of the location | CINEMA |
| parentLocation | Location | Parent location | |
| city | String | City of the location | |
| district | String | District of the location | |
| stopTimes | [StopTime] | Stop times at this location | |
| locationFromTransfers | [TransferDetail] | Transfer details for transfer from this location to another one | |
| locationToTransfers | [TransferDetail] | Transfer details for transfer to this location from another one | |

TransferDetail

Endpunkte: *listTransferDetails*, *transferDetailById*

Beschreibung: Complex datatype for the transfer details.

| 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 |
| fromLocation | Location | Identifies a stop where a connection between routes begins | |
| toLocation | Location | Identifies a stop where a connection between routes ends | |
| type | <i>TransferType</i> | Indicates the type of connection | DEPARTURE_WILL_WAIT |
| minTransferTime | Integer | Amount of time, in seconds, that must be available to permit a transfer between routes at the specified stops | |

Trip

Endpunkte: *listTrips*, *tripById*

Beschreibung: Complex datatype for the trip.

| 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 | |
| route | Route | Trip belongs to this route | |
| serviceCalendar | ServiceCalendar | Identifies a set of dates when service is available | |
| headSign | String | Text that appears on signage identifying the trip's destination to riders | |
| direction | <i>Direction</i> | Indicates the direction of travel for a trip | INVERSE |
| shape | Shape | Identifies a geospatial shape describing the vehicle travel path for a trip | |
| isWheelchairBoarding | <i>TakeAway</i> | Indicates wheelchair accessibility | AT_LEAST_ONE |
| bikesAllowed | <i>TakeAway</i> | Indicates whether bikes are allowed | NOT_AVAILABLE |
| stopTimes | [StopTime] | Stop times of this trip | |