

Factsheet für Dott (ID : 381)

Zuletzt aktualisiert: 18.05.2025 04:00

Der Datenlieferant Dott hat folgende Zonen:

- Dott Mülheim an der Ruhr (Dott mulheim-an-der-ruhr) (ID : 382)
- Dott Herten (Dott herten) (ID : 414)
- Dott Brühl (Dott bruhl) (ID : 413)
- Dott Bochum (Dott bochum) (ID : 412)
- Dott Bielefeld (Dott bielefeld) (ID : 411)
- Dott Bonn (Dott bonn) (ID : 410)
- Dott Rheine (Dott rheine) (ID : 409)
- Dott Münster (Dott munster) (ID : 408)
- Dott Minden (Dott minden) (ID : 407)
- Dott Köln (Dott cologne) (ID : 406)
- Dott Herne (Dott herne) (ID : 405)
- Dott Hennef (Dott hennef) (ID : 404)
- Dott Hamm (Dott hamm) (ID : 403)
- Dott Hilden (Dott hilden) (ID : 402)
- Dott Herford (Dott herford) (ID : 401)
- Dott Monheim am Rhein (Dott monheim-am-rhein) (ID : 400)
- Dott Recklinghausen (Dott recklinghausen) (ID : 399)
- Dott Langenfeld (Dott langefeld) (ID : 398)
- Dott Düsseldorf (Dott dusseldorf) (ID : 396)
- Dott Mönchengladbach (Dott monchengladbach) (ID : 395)
- Dott Duisburg (Dott duisburg) (ID : 394)
- Dott Troisdorf (Dott troisdorf) (ID : 393)
- Dott Paderborn (Dott paderborn) (ID : 392)
- Dott Meerbusch (Dott meerbusch) (ID : 391)
- Dott Rheda Wiedenbruck (Dott rheda-wiedenbruck) (ID : 390)
- Dott Essen (Dott essen) (ID : 389)
- Dott Dortmund (Dott dortmund) (ID : 388)
- Dott Solingen (Dott solingen) (ID : 387)
- Dott St. Augustin (Dott sankt-augustin) (ID : 386)
- Dott Aachen (Dott aachen) (ID : 385)
- Dott Neuss (Dott neuss) (ID : 384)
- Dott Detmold (Dott detmold) (ID : 383)

GBFS

GBFS-Versionen: 2.3, 3.0

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

- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/system_information.json
- 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
- https://mdd.gorheinland.com/gbfs-output/{Datenlieferanten ID}/{GBFS Version}/geofencing_zones.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. | |
| parentProvider | Provider | Provider belongs to this parent provider | |
| geofencingZones | [GeofencingZone] | Geofencing zones of this provider | |
| 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 | |
| systemInformations | [SystemInformation] | System information of this provider | |

GeofencingZone

Endpunkte: *listGeofencingZones*, *geofencingZoneById*

Beschreibung: Complex datatype for information about geofencing zones. Geofencing zones contain information about, for example, No-parking-Areas for vehicles of the corresponding provider.

| 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 |
| name | String | Name of this geofencing zone | |
| coordinates | String | Coordinates representing a polygon covering the zone. The format can differ between providers. | {"type":"MultiPolygon","coordinates":[[[[[6,50], ...]]]} or {"centroid":{"type":"Point","coordinates":[6,50]"},"position":{"type":"Polygon","coordinates":[[[[[6,50],...]]]} or [[[[[6,50],...]]]} |

GeofencingZoneRule

Beschreibung: Complex datatype for information about rules in geofencing zones.

| Attribut | Datentyp | Beschreibung | Beispiel |
|--------------------|-----------------------|--|----------|
| geofencingZone | GeofencingZone | The rules hold for this geofencing zone. | |
| rideAllowed | Boolean | “true” if a ride can start and stop in this zone. | |
| rideThroughAllowed | Boolean | “true” if a vehicle is allowed to pass the zone but cannot end the ride here. | |
| vehicleTypes | [VehicleType] | The geofencing zone is relevant for vehicles of these vehicle types. If no vehicle types are given the restrictions are relevant for all vehicle types of this provider. | |
| stationParking | Boolean | Can vehicles only be parked at stations within this zone? | |

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 |
| vehicleType | VehicleType | Vehicle type of the vehicle | |
| status | <i>Status</i> | Current status of the vehicle | AVAILABLE |
| remainingRangeInM | Integer | Remaining range of vehicle in meters with current charge | |
| pricingPlan | PricingPlan | Pricing information for the corresponding vehicle | |
| isReserved | Boolean | “true” if the vehicle is currently reserved | |
| isDisabled | Boolean | “true” if the vehicle is currently disabled | |
| rentalUris | RentalUris | Rental URIs for Android, iOS and Web | |
| batteryPercentage | Integer | Current charge of battery or fuel level in percent | |
| lastReported | Date | The last time this station reported its status to the operator's backend. | 2024-07-30T09:30:00Z |

RentalUris

Beschreibung: Complex datatype for information about rental URIs for Android, iOS and Web

| Attribut | Datentyp | Beschreibung | Beispiel |
|----------|----------|------------------------|----------|
| android | String | Rental URI for Android | |
| ios | String | Rental URI for iOS | |

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 |
| maxRangeMeters | Integer | Maximum range in meters this vehicle can travel when fully charged without refueling | 4000 |
| publicName | String | Public name of this vehicle type | |
| vehicleTypesAvailable | [VehicleTypesAvailability] | Number of available vehicles of a vehicleType at a sharingStation | |
| geofencingZoneRules | [GeofencingZoneRule] | Zone rules that apply to this vehicle type | |

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 |
| isVirtualStation | Boolean | Is this station a location with smart dock technology? | |
| numBikesAvailable | Integer | 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 | 2024-07-30T09:30:00Z |
| vehicleTypesAvailable | Map(VehicleType, VehicleTypesAvailability) | Number of available vehicles of a vehicleType at a sharingStation | |

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 | |
| name | String | Name of the pricing plan | |
| 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 | |
| description | String | Description | |
| perMinPricing | [PricingModel] | Additional price per time interval. The time interval length and the price per interval differ depending on the ride length. | |

PricingModel

Beschreibung: Complex datatype for information about the pricing model for a ride. Pricing Models are either based on duration or distance.

| Attribut | Datentyp | Beschreibung | Beispiel |
|----------|----------|---|----------|
| start | Integer | The pricing model applies when start is reached. | 0 |
| rate | Double | Price per interval | 0.22 |
| interval | Integer | Interval length | 1 |
| end | Integer | The pricing model applies until end is reached. If no end is given the pricing model is applies indefinitely. | |

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 | |
| timezone | String | The timezone where the system is located | |
| rentalApps | RentalApps | Rental app information | |

RentalApps

Beschreibung: Complex datatype for rental app information.

| Attribut | Datentyp | Beschreibung | Beispiel |
|----------|----------------|------------------------------------|----------|
| android | AppUris | Rental app information for android | |
| ios | AppUris | Rental app information for ios | |

AppUris

Beschreibung: Complex datatype for app URI information.

| Attribut | Datentyp | Beschreibung | Beispiel |
|--------------|----------|--|----------|
| discoveryUri | String | URI that can be used to discover if the rental app is installed on the device. | |
| 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 | |