

Documentation: [https://sasagitlab.opensasa.info/development/realtimebus-v2/wikis/real-time-vehicle-positions-\(geojson\)](https://sasagitlab.opensasa.info/development/realtimebus-v2/wikis/real-time-vehicle-positions-(geojson))

Filters can be used to optimize the amount of returned data (e.g. inequality operators)

geometry	
coordinates	The current position of the vehicle. The default coordinate format is EPSG:25832 (a different format by applying the appropriate filter can be chosen) In order to get the coordinates in the WGS84 standard (EPSG:4326), the URI to use is /geojson/realtime?coordinates=4326
0	Longitude (e.g. 11.35971....)
1	Latitude (e.g. 46.297499....)
type	“Point”
properties	
bemerkung	Indicates if there any particular changes in the trips. It is set to NULL if no changes with the planned timetable are foreseen. Otherwise, it express the change (e.g. “ultima fermata Bolzano stazione - letzte Haltestelle Bahnhof Bozen” → means that just for this journey the bus stops at this bus stops instead of the planned destination bus stop)
delay_min	Delay expressed in minutes (e.g. 1). Is 0 if not departed from the first bus stop. Can be < 0 (anticipation)
delay_sec	Delay expressed in seconds (e.g. 34). Is 0 if not departed from the first bus stop. Can be < 0 (anticipation)
fgr_nr	Identifier of the journey pattern, which may depend on the interval of the day with particular traffic conditions. According to VDV-452, should be a number between 1-65535
fgr_text	A string description of associated journey pattern (e.g. “FERIALE GIORNALIERA”)
frt_fid	Journey identifier (e.g. 8665). Must be > 0. It’s unique but only within the same operational day (could be longer than natural day).
frt_start	Journey departure time in seconds after midnight. Must be a value between 0 (inclusive) and 86400 (exclusive). Departure times are always set to the full minute (i.e. HH:MM:00), which can be used to check the validity of the available data.
frt_zeit	Number that indicates how much a vehicle is under / over schedule with respect to the first bus stop (in seconds). If > 0, indicates the delay (e.g. 180 = should have departed three minutes ago). If < 0, indicates how much time is left until the bus departs.
fzg_depot	Indicates in which depot this vehicle stays at night (possible values: “BZ” = via Buozzi 8 / “ME” = via Foro Boario 8)
fzg_nr	ID of the vehicle (e.g. 514)

gps_enabled_at	Indicates the timestamp (expressed in UTC timezone) in which the OBU was started by the bus driver (e.g. 2020-09-04T11:29:05.000Z)
gps_updated_at	Indicates the timestamp (expressed in UTC timezone) which corresponds to the last reported position (e.g. 2020-09-04T11:37:56.000Z). In case vehicles are not able to send their positions for some time they might disappear from the end-point
hexcolor	Represents the Google color of the trip's line (e.g. 2196F3)
hexcolor2	Represents the color of the trip's line. This value is defined by the province of Bolzano (e.g. 03A3D7)
hue	Hue representation of hexcolor and ranges from 0 inclusive and 360 exclusive (e.g. 200)
leistungsart_nr	Number that describes the type of the trip (e.g. 1).
leistungsart_text	Text that describes the type of the trip. Possible values: LINEA represents a normal trip, BIS represents an additional trip, SCUOL indicates an additional trip intended for students, even if everyone is allowed to enter the bus.
li_lfd_nr	Shows the amount of bus stops the vehicle has already covered. It ranges from 1 (the bus is waiting at the first stop or has just departed) to the amount of stops in the trip's path.
li_nr	ID of the line (e.g. 110)
li_ri_nr	Represents the direction in which a vehicle is driving. It is 1 if the bus drives from A to B and 2 for the reverse path (from B to A).
li_zone	Indicates in which zone the trip is performed (possible values: "BZ" or "ME")
lid_verlauf	It is an array of all bus stop IDs at which the vehicle stops.
lidname	Textual representation of the line (e.g. 110)
ort_name	Bus stop name at which the bus stop currently is / it currently approaches (e.g. Stazione Bolzano - Bhf Bozen)
ort_nr	Bus scheduled stop point ID at which the bus stop currently is / it currently approaches (e.g. 5106)
ort_ref_ort	Bus stop area ID at which the bus stop currently is / it currently approaches (e.g. 10034)
ort_ref_ort_kuerzel	Bus stop area textual ID at which the bus stop currently is / it currently approaches (e.g. STAZBZ)
ort_ref_ort_name	Bus stop name (with municipality as prefix) at which the bus stop currently is / it currently approaches (e.g. (Bolzano) Stazione Bolzano - (Bozen) Bhf)
str_li_var	ID indicating the route variant of the line (e.g. 1)
teq	Internal code of ITCS SASA (e.g. 6211000067)
type	Always set as "FEATURE"