VOLVO

Data Access Services

Connect API

Reliable vehicle data is crucial for maintaining efficiency and uptime. Volvo provides extensive possibilities to share data with your existing systems – as well as the systems you are developing. A true benefit for operators, PTAs and third-party system suppliers.

Connect API
You can start today! With Connect API there is no need for additional onboard hardware. Data is reachable via Volvo Cloud and provides access to several important operational data parameters. Connect API is a subscription service and the fee covers API updates.

Easy integration via the cloud
Volvo collects, processes and converts connected vehicle data into a standardized format, providing better possibilities to integrate into fleet management systems in a multi-brand fleet scenario and achieve interoperability.

14 days of data history
Never miss a thing. Volvo provides two full weeks of data history, ready for use in proprietary or third-party applications. A useful feature for follow up and back-tracking.

Connect API at a glance
- Data available in the cloud via HTTP-based REST API
- Volvo Telematics Gateway (TGW). No customer hardware needed
- 14 days' data history available via pull request
- ACEA rFMS + extended data set
- Activated over the air
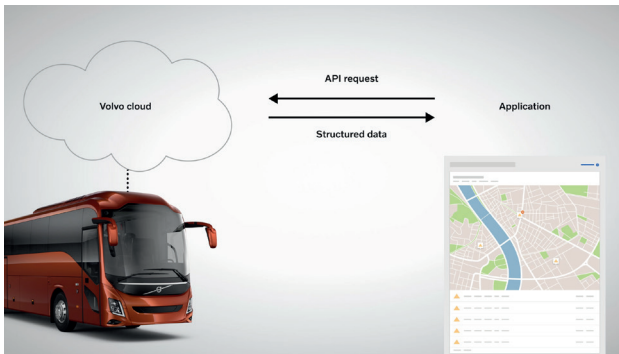- Monthly subscription cost/vehicle

How it works

APIs are used by developers to enable computer programs to communicate with each other over the internet. A computer system can use a line of code to send a request to the API, for instance, to get the GPS position of a specific bus. The API will then respond with a set of data to be used by the receiving system.

Developer portal

Volvo Buses encourages and supports customers and thirdparty suppliers to develop services using Volvo vehicle data. The way to do this is described in our developer portal, where you can also access various tools and explore more of the possibilities with fleet management connectivity from Volvo. In the Developer portal, you find all guides, instructions and technical documentation for the Connect APIs.
https://developer.volvobuses.com/

The APIs

Connect API comes in three different versions. Diesel, Electric and a dedicated version for energy storage data.

Diesel
Access to information about the diesel buses in a fleet, their positions and operational data.

Vehicle details
VIN, production date, country of operation, etc.

Fuel data
Fuel consumption, remaining distance, etc.

Driving data
Ambient temp, time driving, vehicle speed, odometer, etc.

Electric
Access to information about the electric buses in a fleet, their positions and operational data.

Vehicle details
VIN, production date, country of operation, etc.

Charging data
Charging status, charging power, time to fully charged, etc.

Energy data
SOC, energy consumption, remaining range, etc.

Driving data
Ambient temp, time driving, vehicle speed, odometer, etc.

ESS power
Sampled instant power data from the Energy Storage System (ESS) installed within the vehicle.

Power data
Incoming and outgoing power values (throughput) in the ESS battery pack. 20 to 120 power values per report and minute.

Please contact your Volvo representative for more information.

volvobuses.com