



Car Data API's: Autoconnect LOOKUP REST API v1.4

Version: 06/2017

What is this REST service?

The Autoconnect LOOKUP REST service is a REST service to look up any Belgian vehicle data based on a VIN (vehicle inscription number) and get its full technical and commercial profile.

Which data is available?

The available data is grouped in data blocks. Each data block is identified by a letter. Several data blocks can be requested in one API call, by writing them together in the request_list.

S	Vehicle exists block
B	Basic block
T	Technical block
X	Extended block
E	Emission block
A	Fiscal (tax) block
P	CarpasOK label block
R	Registration block
C	Commercial block
V	Current residual value
F	Future residual value

Examples of the content of each block can be found further in this document.

Please note that dependencies exist between blocks: some more advanced blocks cannot be accessed without other blocks in the same request. Block C

How should the REST service be called?

One vehicle per call can be requested. The URL to look up a vehicle is built as follows:

<https://api.inmotiv.be/rest/lookup/1.4/<API key>/<vin>/<request list>/<kmeters>/<versionID>>

Please note that the <> signs should not be written in the real request.

The current version of the API is version 1.4.

Previous versions that still can be accessed through the same URL, by modifying the version number, are 1.0, 1.1, 1.2, 1.3. Previous versions contain less fields and blocks.

The response will be returned as an XML document which will contain the requested data blocks in <request_list>. If the request was not well formed or if the requested vehicle was not found, the service will return an error message. Apart from the S block, the request will not be payable in that case.



Optional parameters

The parameter “/<kometers>” (current kilometers of a vehicule) only needs to be provided when data blocks P, V or F are requested in <request_list>.

The parameter “/<versionID>” is the versionID of a commercial version that can be found in the C block. This parameter is mandatory for the blocks A, V and F. This means that 2 consecutive requests are necessary for blocks A, V and F.

Data block C (commercial) returns a list of 0, 1 or more commercial profiles (versions) of vehicles found in our commercial vehicle database (VGS-EP). We use a best-guess method to match technical data for the requested VIN with the commercial profile. We provide a probability score for each commercial version. The higher the score, the higher the probability that the vehicle was one of that version. Every commercial version has a versionID, which can be used to fetch the commercial vehicle profile from the Autoconnect CARWIZARD API.

Block P (Car-Pass OK label) returns a URL. This URL will display a Car-Pass OK logo if the combination of VIN and kilometers is acceptable according to Car-Pass. If not, it will display a transparent rectangle. The image type is PNG and the size is 190 x 48 pixels.

The URL for the image is valid for 1 hour. Requests after 1 hour to an expired URL will always display a transparent image.

Authentication

For using the LOOKUP REST API service, just like any other Autoconnect API service, you need an API key, which is connected to an existing user in Autoconnect. This API key allows us to measure the service usage and charge per transaction.

The XML response of a request will be displayed in the language of the user. The descriptions are available in Dutch, French and German.

If your application is using multiple languages, you will need multiple API keys, one for each user with a different language.

Besides this REST service, the same data is also available through our web-application, and by exchanging batch (csv/txt) files.

Example:

We will demonstrate and explain the response using an example of a request:

<https://api.inmotiv.be/rest/lookup/1.4/<APIkey>/WAUZZZ4G5HN009507/BXERSTPCAVF/7705/15060259>

In this example, the following components are:

WAUZZZ4G5HN009507: the VIN number

BXERSTPCAVF: the list of blocks

7705: the current number of kilometers of this vehicle

15060259: the versionID of the commercial version, coming from a former request of block C



This example request is done using a French speaking user's API key and returns this XML:

```
<?xml version="1.0"?>
<VINdata>
  <Request>
    <VIN>WAUZZZ4G5HN009507</VIN>
    <RequestedBlocks>SBXERTPCAVF</RequestedBlocks>
    <RequestId>93548</RequestId>
    <Language>FR</Language>
    <MemberId>6</MemberId>
    <MemberName>Impact Software Admin</MemberName>
  </Request>
  <Block xsi:type="BlockS" name="Precheck" id="BlockS">
    <DataAvailable>Y</DataAvailable>
  </Block>
  <Block xsi:type="BlockB" name="Basic vehicle data" id="BlockB">
    <MakeTypeDescr>AUDI</MakeTypeDescr>
    <CommercialName>A6 AVANT</CommercialName>
    <WVTA>e1*2007/46*0436*25</WVTA>
    <Version>FD7FD7CK001P4G02S57MMEM2K0</Version>
    <Variant>ADDDAF1</Variant>
    <ColourCode>D</ColourCode>
    <Colour>Gris</Colour>
    <FuelCode>02</FuelCode>
    <FuelType>Diesel</FuelType>
  </Block>
  <Block xsi:type="BlockX" name="Extended vehicle data" id="BlockX">
    <Revision>0</Revision>
    <Type>4G</Type>
    <PvaBelgium/>
    <BuildDate/>
    <CategoryCode>M1</CategoryCode>
    <Category>VEH. POUR LE TRANSPORT DE PASSAGERS, OUTRE LE SIEGE DU CONDUCTEUR, 8 PLACES
ASSISES AU MAXIMUM</Category>
    <BodyworkType>AC</BodyworkType>
    <BodyworkTypeLabel>AC - BREAK</BodyworkTypeLabel>
    <KindCode>AC</KindCode>
    <Kind>BREAK</Kind>
    <MakeDiv>0770</MakeDiv>
    <TypeDiv>00024</TypeDiv>
    <Buildup/>
    <EuroNorm>6</EuroNorm>
    <Status>Normal</Status>
    <StatusCode>NOR</StatusCode>
    <LegalStatus>Normal</LegalStatus>
    <LegalStatusCode>NOR</LegalStatusCode>
    <AdministrativeStatus>Normal</AdministrativeStatus>
    <AdministrativeStatusCode>NOR</AdministrativeStatusCode>
    <OffRoad/>
    <Configuration/>
    <TankContent>0</TankContent>
    <TotalAxles>2</TotalAxles>
    <PoweredAxles>0</PoweredAxles>
    <NumberOfSeats>5</NumberOfSeats>
    <NumberOfStandingPlaces>0</NumberOfStandingPlaces>
    <NumberOfFrontPlaces>0</NumberOfFrontPlaces>
    <NumberOfRearPlaces>0</NumberOfRearPlaces>
    <NumberOfTotalPlaces>0</NumberOfTotalPlaces>
    <Length>4943</Length>
    <Width>1874</Width>
    <Height>1421</Height>
    <Tare>0</Tare>
    <MassOnCoupling>0</MassOnCoupling>
  </Block>
</VINdata>
```



```
<MassInRunningOrder>1800</MassInRunningOrder>
<MaxMassOnAxles>0</MaxMassOnAxles>
<MaxMassTrailerCombination>0</MaxMassTrailerCombination>
<TechnicPermissibleMass>2355</TechnicPermissibleMass>
<MmaNational>0</MmaNational>
<Suspension>Suspension non pneumatique</Suspension>
<ConnectMode/>
<TotalCylinderCapacity>1968</TotalCylinderCapacity>
<MaximumNetPowerRPM>0</MaximumNetPowerRPM>
<WeightPowerRatio>0</WeightPowerRatio>
<MaxNetPower>140</MaxNetPower>
<MaxSpeed>226</MaxSpeed>
<HandicCarFlag>false</HandicCarFlag>
<TachoFlag>false</TachoFlag>
<CustomsStickerCode>3</CustomsStickerCode>
<CounterType/>
</Block>
<Block xsi:type="BlockE" name="Vehicle Emission data" id="BlockE">
  <CoEngineTest>0.0000</CoEngineTest>
  <NoxEngineTest>0.0000</NoxEngineTest>
  <NmhcEngineTest>0.0000</NmhcEngineTest>
  <ThcEngineTest>0.0000</ThcEngineTest>
  <Ch4EngineTest>0.0</Ch4EngineTest>
  <ParticulatesNumberEngineTest>0.0</ParticulatesNumberEngineTest>
  <ParticulatesMassEngineTest>0.0</ParticulatesMassEngineTest>
  <CoBenchTest>0.9300</CoBenchTest>
  <NoxBenchTest>0.0550</NoxBenchTest>
  <NmhcBenchTest>0.0000</NmhcBenchTest>
  <HcBenchTest>0.0000</HcBenchTest>
  <HcNoxBenchTest>0.0680</HcNoxBenchTest>
  <SmokeCorrectCoeficientBenchTest>0.5</SmokeCorrectCoeficientBenchTest>
  <ParticulatesNumberBenchTest>10.0</ParticulatesNumberBenchTest>
  <ParticulatesMassBenchTest>0.0</ParticulatesMassBenchTest>
  <Co2Combined>114</Co2Combined>
  <Co2Urban>0</Co2Urban>
  <Co2ExtraUrban>0</Co2ExtraUrban>
  <FuelConsumptionCombined>4.4</FuelConsumptionCombined>
  <FuelConsumptionUrban>4.9</FuelConsumptionUrban>
  <FuelConsumptionExtraUrban>4.1</FuelConsumptionExtraUrban>
  <SoundLevelStationary>68.0</SoundLevelStationary>
  <SoundLevelDriveBy>70.0</SoundLevelDriveBy>
  <MeasurementUnitEmission> </MeasurementUnitEmission>
</Block>
<Block xsi:type="BlockR" name="Registration data" id="BlockR">
  <PreRegistrationDate>22/06/2016</PreRegistrationDate>
  <FirstRegistrationDate>11/08/2016</FirstRegistrationDate>
  <LastRegistrationDate>14/12/2016</LastRegistrationDate>
  <DeletionDate/>
  <Demolished/>
  <Completion>Le véhicule est complet.</Completion>
  <FiscalStatus>Fiscal OK</FiscalStatus>
</Block>
<Block xsi:type="BlockT" name="Technical control data" id="BlockT">
  <TechnicalControlValidDate>11/08/2020</TechnicalControlValidDate>
  <DistanceType>1</DistanceType>
  <PreviousDistance>0</PreviousDistance>
  <CurrentDistance>7705</CurrentDistance>
</Block>
<Block xsi:type="BlockP" name="Car Pass OK label" id="BlockP">
  <CarPassOKLogo width="190"
height="48">https://api.inmotiv.be/rest/lookup/carpassOK/e3620ec6-4a7b-4a5a-af5c-
9f22fb62c7e2</CarPassOKLogo>
</Block>
```



```
<Block xsi:type="BlockC" name="Commercial data" id="BlockC">
  <Version version_id="15060259" score="114">
    <modelName>A6 AVANT</modelName>
    <VersionName>TDI Ultra S-Tronic</VersionName>
    <VersionBodyworkType>Break</VersionBodyworkType>
    <VersionCatalogPrice unit="EUR" VAT="excl">39338.84</VersionCatalogPrice>
  </Version>
  <Version version_id="15088440" score="114">
    <modelName>A6 AVANT</modelName>
    <VersionName>TDI Ultra Business Edition S-Tronic</VersionName>
    <VersionBodyworkType>Break</VersionBodyworkType>
    <VersionCatalogPrice unit="EUR" VAT="excl">42396.69</VersionCatalogPrice>
  </Version>
  <Version version_id="15088443" score="114">
    <modelName>A6 AVANT</modelName>
    <VersionName>TDI Ultra Sport Edition S-Tronic</VersionName>
    <VersionBodyworkType>Break</VersionBodyworkType>
    <VersionCatalogPrice unit="EUR" VAT="excl">42851.24</VersionCatalogPrice>
  </Version>
  <Version version_id="15060258" score="106">
    <modelName>A6 AVANT</modelName>
    <VersionName>TDI Ultra</VersionName>
    <VersionBodyworkType>Break</VersionBodyworkType>
    <VersionCatalogPrice unit="EUR" VAT="excl">37429.75</VersionCatalogPrice>
  </Version>
  <Version version_id="15060233" score="101">
    <modelName>A6</modelName>
    <VersionName>TDI Ultra</VersionName>
    <VersionBodyworkType>Sedan</VersionBodyworkType>
    <VersionCatalogPrice unit="EUR" VAT="excl">35685.95</VersionCatalogPrice>
  </Version>
</Block>
<Block xsi:type="BlockA" name="Fiscal Data Block" id="BlockA">
  <Disclaimer>
    <NL>De resultaten van de simulatie zijn louter informatief en hebben geen
juridische bewijskracht. Onjuist gebruik van de toepassing of de invoer van verkeerde
gegevens kunnen zorgen voor een resultaat dat verschilt van het bedrag op het
aanslagbiljet.</NL>
    <FR>Les résultats de cette simulation sont seulement à titre d'information et
n'ont pas de valeur juridique. Une utilisation figuré de l'application ou
l'introduction de données fautives peuvent mener à un résultat différent de celui
calculé sur votre avertissement d'impot.</FR>
    <EN>The results of the simulation are purely informative and have no evidentiary
value. Improper use of the application or the input of wrong data may provide a result
that is different from the amount on the tax bill.</EN>
  </Disclaimer>
  <BenefitInKind>
    <Amount>3345.60</Amount>
    <Remarks/>
    <Url>http://financien.belgium.be/nl/particulieren/vervoer/bedrijfswagens</Url>
  </BenefitInKind>
  <RoadTaxFlanders>
    <Amount>466.11</Amount>
    <Remarks/>
    <Url>https://belastingen.fenb.be/vfp-portal-pub2-
web/simulatieVerkeersbelasting.html</Url>
  </RoadTaxFlanders>
  <RoadTaxBrussels>
    <Amount>413.95</Amount>
    <Remarks/>
  <Url>http://www.belgium.be/nl/mobiliteit/Voertuigen/verkeersbelasting\_en\_verzekering/ve
rkeersbelasting</Url>
  </RoadTaxBrussels>
```



```
<RoadTaxWalloon>
  <Amount>413.95</Amount>
  <Remarks/>
  <Url> http://www.wallonie.be/fr/taxe-de-circulation</Url>
</RoadTaxWalloon>
<RegistrationTaxFlanders>
  <Amount>595.46</Amount>
  <Remarks/>
  <Url>http://www.vlaanderen.be/nl/mobiliteit-en-openbare-werken/voertuigen/belasting-op-de-inverkeerstelling-biv</Url>
</RegistrationTaxFlanders>
<RegistrationTaxBrussels>
  <Amount>2478.00</Amount>
  <Remarks/>
<Url>http://financien.belgium.be/nl/particulieren/vervoer/inschrijving\_en\_belastingen/belasting\_op\_de\_inverkeerstelling</Url>
</RegistrationTaxBrussels>
<RegistrationTaxWalloon>
  <Amount>2478.00</Amount>
  <Remarks/>
  <Url>http://www.wallonie.be/fr/taxe-de-mise-en-circulation</Url>
</RegistrationTaxWalloon>
<FiscalHorsePower>
  <Amount>11.00</Amount>
  <Remarks/>
  <Url/>
</FiscalHorsePower>
<EcoScore>
  <Amount>62.18</Amount>
  <Remarks/>
  <Url/>
</EcoScore>
</Block>
<Block xsi:type="BlockV" name="Residual Value" id="BlockV">
  <CurrentMileage>7705</CurrentMileage>
  <CatalogPrice unit="euro">39338.84</CatalogPrice>
  <B2Bvalue unit="euro">33993</B2Bvalue>
  <B2Cvalue unit="euro">38356</B2Cvalue>
  <C2Cvalue unit="euro">38356</C2Cvalue>
  <OpinionIndication>B2B, B2C en C2C resultaten zijn inclusief, dan wel exclusief
  BTW, afhankelijk van de opgave van de Consumentenprijs, Opties &
  Accessoires.</OpinionIndication>
</Block>
<Block xsi:type="BlockF" name="Future Residual Value" id="BlockF">
  <CurrentMileage>7705</CurrentMileage>
  <Catalogprice unit="euro">39338.84</Catalogprice>
  <ContractDuration>48</ContractDuration>
  <CurvePeriodicity>1</CurvePeriodicity>
  <AnnualMileage>25000</AnnualMileage>
  <B2Bvalue unit="euro">33993</B2Bvalue>
  <B2Cvalue unit="euro">38356</B2Cvalue>
  <C2Cvalue unit="euro">38356</C2Cvalue>
  <EndB2Bvalue unit="euro">14360</EndB2Bvalue>
  <EndB2Cvalue unit="euro">18270</EndB2Cvalue>
  <EndC2Cvalue unit="euro">17436</EndC2Cvalue>
  <EndMileage>107705</EndMileage>
  <Periods>
    <Period>
      <EndDate>22-06-2017</EndDate>
      <EndMileage>7705</EndMileage>
      <EndB2Cvalue unit="euro">38356</EndB2Cvalue>
      <EndB2Bvalue unit="euro">33993</EndB2Bvalue>
      <EndC2Cvalue unit="euro">38356</EndC2Cvalue>
    </Period>
  </Periods>
</Block>
```



```
</Period>
<Period>
  <EndDate>22-06-2018</EndDate>
  <EndMileage>32705</EndMileage>
  <EndB2Cvalue unit="euro">31964</EndB2Cvalue>
  <EndB2Bvalue unit="euro">27491</EndB2Bvalue>
  <EndC2Cvalue unit="euro">31964</EndC2Cvalue>
</Period>
<Period>
  <EndDate>22-06-2019</EndDate>
  <EndMileage>57705</EndMileage>
  <EndB2Cvalue unit="euro">26529</EndB2Cvalue>
  <EndB2Bvalue unit="euro">22142</EndB2Bvalue>
  <EndC2Cvalue unit="euro">26379</EndC2Cvalue>
</Period>
<Period>
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  <EndMileage>82705</EndMileage>
  <EndB2Cvalue unit="euro">22012</EndB2Cvalue>
  <EndB2Bvalue unit="euro">17828</EndB2Bvalue>
  <EndC2Cvalue unit="euro">21443</EndC2Cvalue>
</Period>
<Period>
  <EndDate>22-06-2021</EndDate>
  <EndMileage>107705</EndMileage>
  <EndB2Cvalue unit="euro">18270</EndB2Cvalue>
  <EndB2Bvalue unit="euro">14360</EndB2Bvalue>
  <EndC2Cvalue unit="euro">17436</EndC2Cvalue>
</Period>
</Periods>
<OpinionIndication>Personenauto: adviesprijs inclusief btw en inclusief
bpm</OpinionIndication>
</Block>
</VINdata>
```

The future residual values are based on default settings:

- Contract duration is 48 months
- Curve periodicity is 1 time per year
- The annual mileage is 25000 km/year

Autoconnect also provides a separate API for calculating current and future residual values, in which these parameters can be changed.



Explanation of data fields

Please find below a list of available data fields for each data set (block). We use the following abbreviations:

A: Alphanumeric

N: Numeric

V: Variable Length (if not specified, the default value is fixed)

Name	Length	Type	Description
Data Set B: Basic Vehicle Data			
MakeTypeDescr	60	A,V	Make name
CommercialName	20	A,V	Model name
WVTA	40	A,V	European Whole Vehicle Type Approval number and amendment
Version	35	A,V	Version code, given by manufacturer
Variant	25	A,V	Variant code, given by manufacturer
ColourCode	1	A	Colour Code (see appendix for table)
Colour	30	A,V	Colour Description. Only approximately 10 main colours can
FuelCode	2	N	Fuel code (see appendix for table)
FuelType	30	A,V	Fuel description as given by

Data Set X: Extended Vehicle Data			
Revision	2	N	Revision, given by manufacturer
Type	25	A,V	Type, given by manufacturer
PvaBelgium	6	A,V	Belgian homologation file number (PVA/PVG)
BuildDate	8	A	Vehicle build date
CategoryCode	5	A,V	European category code
Category	100	A,V	European category description
Bodyworktype	2	A	European bodywork type code, see appendix
BodyworkTypeLabel	100	A,V	Bodywork type description
KindCode	2		Vehicle kind code
Kind	30	A,V	Vehicle kind description

MakeDiv	4	A,V	Make code as known by Belgian authorities
TypeDiv	5	A,V	Model code as known by Belgian authorities
Buildup	2	A	Code for build-up equipment, if applicable
Euronorm	3	A	Euronorm (without the word "EURO")
Status	30	A,V	Description of the vehicle life cycle status
StatusCode	3	A,V	Abbreviation for the vehicle life cycle
LegalStatus	30	A,V	Description of the vehicle legal status
LegalStatusCode	3	A,V	Abbreviation for the legal status code
AdministrativeStatus	30	A,V	Description of the administrative status
AdministrativeStatusCode	3	A,V	Abbreviation of the administrative status
OffRoad	1	A	'G' value if the vehicle is an 'off-road'; no values in other cases
Configuration	2	A	Configuration (Pick-up,...)
TankContent	6	N	Tank content in liter
TotalAxles	2	N	Total number of axles
NumberOfSeats	3	N	Number of seats
NumberOfStandingPlaces	3	N	Number of standing places
NumberOfFrontPlaces	2	N	Number of front places
NumberOfRearPlaces	2	N	Number of rear places
NumberOfTotalPlaces	3	N	Total number of places
Length	6	N	Vehicle length (in mm)
Width	6	N	Vehicle width (in mm)
Height	6	N	Vehicle height (in mm)
Tare	6	N	Vehicle tare (in kg)
MassOnCoupling	6	N	Maximum mass on coupling point (in kg)
MassInRunningOrder	6	N	Mass in running order (in kg)
MaxMassOnAxles	6	N	Maximum mass on axles (in kg)
MaxMassTrailerCombination	6	N	Maximum mass of the trailer combination (in kg)
TechnicPermissibleMass	6	N	Technical permissible maximum mass (in kg)
MmaNational	6	N	National maximum mass (in kg)



LoadWheelbaseRatio	2	A	Ratio Load to Wheelbase
Suspension	100	A,V	Suspension Type
ConnectMode	50	A,V	Type of connection for trailer
TotalCylinderCapacity	5	N	Cylinder Capacity (cc)
MaximumNetPowerRPM	6	N	Maximum power reached at rotations per minute
WeightPowerRatio	6	N	Ratio Weight to Power
MaxNetPower	4	N	Maximum vehicle power (kW).
Max Speed	6	N	Maximum speed (km/h or miles/h)
HandicCarFlag	1	A	Indication if the vehicle is adapted to disabled people
TachoFlag	1	A	Indication if the vehicle has a tachograph
EngineID	15	A	Manufacturer's engine code
CustomStickerCode	1	A,V	One digit, indicates the way the preregistration was handled at import
CounterType	1	A	Number of digits on the odometer (5 or 6)

Data Set E: Vehicle Emission Data			
CoEngineTest	5	N	CO emission for engine test (mg/kWh)
NoxEngineTest	4	N	NOX emission for engine test (mg/kWh)
NmhcEngineTest	4	N	NMHC emission for engine test (mg/kWh)
ThcEngineTest	4	N	THC emission for engine test (mg/kWh)
Ch4EngineTest	4	N	CH4 emission for engine test (mg/kWh)
ParticulatesNumberEngineTest	4	N	Number of particulates emission for engine test (10 ⁸ particulates/km)
ParticulatesMassEngineTest	7	N	Mass of particulates emission for engine test
CoBenchTest	5	N	CO emission at bench test (engine and vehicle) (mg/km)
NoxBenchTest	4	N	NOX emission at bench test (engine and vehicle) (mg/km)
NhmcBenchTest	4	N	NMHC emission at bench test (engine and vehicle) (mg/km)
HcBenchTest	4	N	HC emission at bench test (engine and vehicle) (mg/km)
HcNoxBenchTest	4	N	HC+NOX emission at bench test (engine and vehicle) (mg/km)
SmokeCorrectCoeficientBenchTest	4	N	Smoke correction coefficient at bench test (m-1)
ParticulatesNumberBenchTest	4	N	Number of particulates emission at bench test (engine and vehicle)(10 ⁸ particulates/km)

ParticulatesMassBenchTest	7	N	Mass of particulates at bench test (engine and vehicle)
Co2Combined	4	N	CO2 exhaust combined (gr/km)
Co2Urban	4	N	CO2 exhaust urban (gr/km)
Co2ExtraUrban	4	N	CO2 exhaust extra-urban (gr/km)
FuelConsumptionCombined	4	N	Combined fuel consumption (cl/100km)
FuelConsumptionUrban	4	N	Urban fuel consumption (cl/100km)
FuelConsumptionExtraUrban	4	N	Extra urban fuel consumption (cl/100km)
SoundLevelStationary	4	N	Sound level stationary (dB)
SoundLevelDriveBy	4	N	Sound level drive by (dB)
MeasurementUnitEmission	1	N	Unit of measuring the emission

Data Set R: Registration Data			
FirstRegistrationDate	8	A	First registration date of the vehicle in Belgium
LastRegistrationDate	8	A	Last registration date of the vehicle in Belgium
DeletionDate	8	A	Date when the vehicle was removed
Demolished Code	1	A	Vehicle demolished code:
			0: demolished by a non-approved center
			1: demolished by an approved center
Completion	100	A, V	Is the vehicle complete or incomplete

Data Set A: Fiscal data				
BenefitInKind	Amount	8,2	N	Benefit in kind (VAA, ATN)
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RoadTaxFlanders	Amount	8,2	N	Yearly road tax in Flanders
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RoadTaxBrussels	Amount	8,2	N	Yearly road tax in Brussels
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RoadTaxWalloon	Amount	8,2	N	Yearly road tax in Wallonia
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RegistrationTaxFlanders	Amount	8,2	N	Registration tax in Flanders

	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RegistrationTaxBrussels	Amount	8,2	N	Registration tax in Brussels
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
RegistrationTaxWalloon	Amount	8,2	N	Registration tax in Wallonia
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
FiscalHorsePower	Amount	8,2	N	Fiscal horsepower
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.
EcoScore	Amount	8,2	N	Ecoscore (formula by VITO)
	Remarks	300	AN	
	Url	150	AN	The URL points to the according government website for more information.

Data Set P: Car-Pass OK Label

CarpasOK	100	A, V	Here you will find the URL of the CarpassOK label This label will show an icon if the VIN + kilometre combination is a valid combination and so the vehicle has a CarpassOK label. In all other situations this will be a transparent image.
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Data Set T: Technical Control Data

TechnicalControlValidDate	8	A	Validity for technical inspection (if the vehicle has passed technical inspection at least once)
DistanceType	1	A	Odometer reading in km (K) or miles (M)
CurrentDistance	7	N	Odometer reading at the last technical inspection.
PreviousDistance	7	N	Odometer reading at the last but one technical inspection.

Data Set C: Commercial Profiles

Version_id		N	Version id of a corresponding commercial vehicle profile in Autoconnect Carwizard
Score		N	Probability that the commercial version is the right version for the technical vehicle profile. The higher the score, the more likely the version is the correct commercial profile. Commercial versions are ranked from high score to low score.
VersionName		A	Commercial name of the profile



VersionBodyworkType		A	Autoconnect Carwizard bodywork type description. This does not always match with the technical BodyWorkType in Data Set X.
VersionCatalogPrice		N	The historical catalogue price of the version (when the vehicle was a new vehicle on the market)

Data Set V: Current Residual Value Data			
CurrentMileage	10	N	Current mileage
CatalogPrice	10	N	Historical catalogue price of the version (when the vehicle was a new vehicle on the market)
B2Bvalue	10	N	Current business to business residual value
B2Cvalue	10	N	Current business to consumer value
C2Cvalue	10	N	Current consumer to consumer value
OpinionIndication	300	AN	Disclaimer

Data Set F: Future Residual Value Data			
CurrentMileage	10	N	Current mileage
CatalogPrice	10	N	Historical catalogue price of the version (when the vehicle was a new vehicle on the market)
ContractDuration	10	N	Contract / life time duration
CurvePeriodity	10	N	How many interval points per year
AnnualMileage	10	N	Annual mileage
B2Bvalue	10	N	Current business to business value
B2Cvalue	10	N	Current business to consumer value
C2Cvalue	10	N	Current consumer to consumer value
EndB2Bvalue	10	N	Future business to business end value
EndB2Cvalue	10	N	Future business to consumer end value
EndC2Cvalue	10	N	Future consumer to consumer end value
EndMileage	10	N	Mileage at the end of the period

Error handling

When an error occurs there will be only error nodes available under the element <VINdata>. The first one is <ErrorType> which is the codename for the error, and the second one is <ErrorDescription> which is a more detailed explanation of the error.

In the table below you will find the possible error codes:

ErrorType	ErrorDescription
NOAUTH	Sorry, you do not have access to this service!
NOTFOUND	Sorry, this vehicle does not exist in our system.



INVALIDDATA	Sorry, this VIN is invalid. A VIN should never contain more than 17 characters and never contain the letter O.
COMERROR	Sorry, one or more data sources are unavailable at this moment. Please try again later or contact servicedesk@inmotiv.be

Lookup tables

The following lookup tables display possible values for selected data elements.

Colour codes	Description (output will be determined by language of API, and is limited to only Dutch or French)
A	Black
B	Green
C	White
D	Grey
E	Yellow
F	Beige
G	Red
H	Brown
I	Blue
J	Orange
K	Bordeaux
X	Unknown

Fueltype codes	Description (output will be determined by language of API, and is limited to only Dutch or French)
01	Petrol
02	Diesel
03	LPG (Liquefied Petroleum Gas)
04	Electricity
05	Other
06	CNG (Compressed Natural Gas)
07	Petrol + Elektriciteit
08	Diesel + Elektriciteit

BodyWork Type	Description French	Description Dutch	Description German
AA	BERLINE	SEDAN	STUFENHECKLIMOUSINE
AB	VOITURE A HAYON ARRIERE	HATCHBACK	SCHRAGHECKLIMOUSINE
AC	BREAK	STATIONWAGEN	KOMBILIMOUSINE
AD	COUPE	COUPE	COUPE
AE	CABRIOLET	CABRIOLET	KABRIOLIMOUSINE
AF	VEHICULE A USAGES MULTIPLES	VOERTUIG MEERDERE DOELEINDEN	MEHRZWECKFAHRZEUG
AR	REMORQUE NORMALE	AANHANGWAGEN	LASTANHANGER
AZ	AMBULANCE	ZIEKENWAGEN	KRANKENWAGEN
BC	AUTOBUS OU AUTOCAR	BUS OF CAR	LINIEN O. REISEBUS
BF	VEHICULE SERVICE INCENDIE	BRANDWEERWAGEN	FEUERWEHRFAHRZEUG
BP	VEHICULE LEGER BLINDE	LICHTE PANTSER	LEICHTER PANZERWAGEN
BR	REMORQUE POUR BATEAUX	BOOTAANHANGWAGEN	BOOTSANHANGER
CL	CORBILLARD	LIJKAUTO	LEICHENWAGEN

CO	SEMI-REMORQUE CARAVANE	KAMPEEROPLEGGER	SATTELWOHNANHANGER
CR	CARAVANE	KAMPEERAANHANGWAGEN	WOHNANHANGER
CT	CAMIONNETTE	LICHTE VRACHTWAGEN	LEICHTER LASTKRAFTWAGEN
CV	CAMION	VRACHTWAGEN	LASTKRAFTWAGEN
DT	DEPANNEUSE	TAKELWAGEN	ABSCHLEPPWAGEN
FA	VEHICULE A USAGES MULTIPLES	VOERTUIG MEERDERE DOELEINDEN	MEHRZWECKFAHRZEUG
KG	VEHICULE GRUE	KRAANAUTO	KRANWAGEN
LA	MATERIEL AGRICOLE	LANDBOUWMATERIEEL	LANDMASCHINEN
LC	CAMION LENT	TRAGE VRACHTWAGEN	LANGSAMER LASTKRAFTWAGEN
LS	VEHICULE LENT MIXTE	TRAGE DUBBEL GEBRUIK	LANGSAMER KOMBIWAGEN
LT	CAMIONNETTE LENTE	TRAGE LICHTE VRACHTWAGEN	LANGSAMER KLEINLASTKRAFTWAGEN
LV	VEHICULE LENT	TRAGE PERSONENAUTO	LANGSAMER PERSONENKRAFTWAGEN
L1	BROMFIETS	BROMFIETS	BROMFIETS
L2	BROMFIETS	BROMFIETS	BROMFIETS
L3	MOTOCYCLETTE	MOTORFIETS	KRAFTRAD
L4	MOTOCYCLETTE AVEC SIDECAR	MOTORFIETS MET SIDECAR	KRAFTRAD MIT BEIWAGEN
L5	TRICYCLE A MOTEUR	DRIEWIELER MET MOTOR	DREIRADRIGES KRAFTFAHRZEUG
L6	QUADRICYCLE A MOTEUR	VIERWIELER MET MOTOR	VIERRADRIGES KRAFTFAHRZEUG
L7	QUADRICYCLE A MOTEUR	VIERWIELER MET MOTOR	VIERRADRIGES KRAFTFAHRZEUG
ML	MOTOCULTEUR	LANDBOUWMOTOR	EINACHSSCHLEPPER
MM	MOISSONNEUSE	MAAIMACHINE	MAHMASCHINE
MT	MATERIEL INDUSTRIEL	BEDRIJFSMATERIEEL	ARBEITSMASCHINEN
M2	MOTOCYCLETTE	MOTORFIETS	KRAFTRAD
OA	SEMI-REMORQUE LENTE	TRAGE OPLEGGER	LANGSAMER SATTELANHANGER
OM	MINIBUS	MINIBUS	KLEINBUS
OR	REMORQUE OUTIL	WERKTUIGAANHANGWAGEN	GERATETRANSPORT-ANHANGER
OS	SEMI-REMORQUE NORMALE	OPLEGGER	LASTSATTELANHANGER
PR	REMORQUE POUR PLANEURS	ZWEEFVLIEGTUIGAANHANGWAGEN	SEGELFLUGZEUGANHANGER
RL	REMORQUE LENTE	TRAGE AANHANGWAGEN	LANGSAMER ANHANGER
SA	AUTOCARAVANE	KAMPEERWAGEN	WOHNMOBIL
SB	VEHICULE BLINDE	GEPANTSERD VOERTUIG	BESCHUSSGESCHUTZTES FAHRZEUG
SC	AMBULANCE	ZIEKENWAGEN	KRANKENWAGEN
SD	CORBILLARD	LIJKWAGEN	LEICHENWAGEN
SF	VEHICULE SPECIALE	SPECIAAL VOERTUIG	VEHICULE SPECIALE
SW	VOITURE MIXTE	AUTO DUBBEL GEBRUIK	KOMBIWAGEN
TB	TROLLEYBUS	TROLLEYBUS	OBERLEITUNGSOMNIBUS
TL	TRACTEUR AGRICOLE/SYLVICOLE	LANDBOUWTRACTOR	LAND/FORSTWIRTSCHAFTL.ZUGMASCH
TP	ALL TYPES	ALL TYPES	ALL TYPES
TR	TRACTEUR	TREKKER	STRASSENZUGMASCHINE

TT	VEHICULE LENT (APRES TRANSF.)	TRAAG VOERTUIG (NA OMVORMING)	LANGSAMES FAHRZEUG
VC	AUTOCARAVANE	KAMPEERAUTO	WOHNMOBIL
VP	VOITURE	PERSONENAUTO	PERSONENKRAFTWAGEN

CategoryCodes	Description
Category M	used for the carriage of passengers
Category M1	no more than eight seats in addition to the driver seat (mainly, cars)
Category M2	more than eight seats in addition to the driver seat (buses)
Category M3	having a maximum mass not exceeding 5 tonnes (11,000 lb)
Category N	having a maximum mass exceeding 5 tonnes
Category N1	used for the carriage of goods (trucks):
Category N2	having a maximum mass not exceeding 3.5 tonnes (7,700 lb)
Category N3	having a maximum mass exceeding 3.5 tonnes but not exceeding 12 tonnes (26,000 lb)
Category O	having a maximum mass exceeding 12 tonnes
Category O1	trailers (including semi-trailers)
Category O2	maximum mass not exceeding 0.75 tonnes (1,700 lb)
Category O3	exceeding 0.75 tonnes but not exceeding 3.5 tonnes (7,700 lb)
Category O4	exceeding 3.5 tonnes but not exceeding 10 tonnes (22,000 lb)
Category L	Motor vehicles with less than four wheels [but does include light four-wheelers]
Category L1	A two-wheeled vehicle with an engine cylinder capacity in the case of a thermic engine not exceeding 50 cm ³ and whatever the means of propulsion a maximum design speed not exceeding 50 km/h.
Category L2	A three-wheeled vehicle of any wheel arrangement with an engine cylinder capacity in the case of a thermic engine not exceeding 50 cm ³ and whatever the means of propulsion a maximum design speed not exceeding 50 km/h.
Category L3	A two-wheeled vehicle with an engine cylinder capacity in the case of a thermic engine exceeding 50 cm ³ or whatever the means of propulsion a maximum design speed exceeding 50 km/h.
Category L4	A vehicle with three wheels asymmetrically arranged in relation to the longitudinal median plane with an engine cylinder capacity in the case of a thermic engine exceeding 50 cm ³ or whatever the means of propulsion a maximum design speed exceeding 50 km/h (motor cycles with sidecars).
Category L5	A vehicle with three wheels symmetrically arranged in relation to the longitudinal median plane with an engine cylinder capacity in the case of a thermic engine exceeding 50 cm ³ or whatever the means of propulsion a maximum design speed exceeding 50 km/h.
Category L6	A vehicle with four wheels whose unladen mass is not more than 350 kg, not including the mass of the batteries in case of electric vehicles, whose maximum design speed is not more than 45 km/h, and whose engine cylinder capacity does not exceed 50 cm ³ for spark (positive) ignition engines, or whose maximum net power output does not exceed 4 kW in the case of other internal combustion engines, or whose maximum continuous rated power does not exceed 4 kW in the case of electric engines.
Category L7	A vehicle with four wheels, other than that classified for the category L6, whose unladen mass is not more than 450 kg[3] (650 kg[4] for vehicles intended for carrying goods), not including the mass of batteries in the case of electric vehicles and whose maximum continuous rated power does not exceed 15 kW.



StatusCodes	Description
DES	Destroyed
REH	Repaired
NOR	Normal
ACC	Accident
WHO	Without Homologation
INC	Incomplete
VAL	In validation procedure

LegalStatusCodes	Description
NOR	Normal
STL	Stolen

AdministrativeStatusCodes	Description
EXP	Exported
IMP	Imported
NOR	Normal
NIO	Not in Order
FEX	Pending to be exported