



Car Data API's: Autoconnect CARWIZARD Residual Value REST API v1.3

Version: 06/2017

The Autoconnect CARWIZARD Residual Values REST service is a REST service to look up current and future residual values for passenger cars and light commercial vehicles.

In order to use this service, you will need an API-key. Based on this key, we will keep track of every transaction.

1. Current Residual Value

The current residual value can be retrieved using the following endpoint URL:

<https://api.inmotiv.be/Rest/carwizard/1.3/GetCurrentResValue>

The input variables mentioned below should be sent by GET or POST, preferably by POST.

Input

There are two mandatory fields:

- ApiKey: the API key that was assigned to you by InMotiv
- Mileage: the vehicle's current mileage

The other fields may be filled in depending on which information you have on the vehicle.

Situation 1: You know the VIN number

In this case you fill in the following fields:

- VIN: the vehicle identification number
- Version ID: the ID of the commercial version in Autoconnect CARWIZARD. This ID can be looked up by using Autoconnect LOOKUPAPI.

Situation 2: You do **not know the VIN number**

In this case you fill in the following fields:

- Brand: the name of the vehicle make (brand).
- Model: the name of the vehicle model.
- VersionName: the name of the vehicle version, as detailed as possible (or better: as it is found in Autoconnect CARWIZARD).
- FuelType: the fuel/energy type of the combustion engine (incl 'electric').
- FirstRegistrationDate: the first date the vehicle has been taken into use.

- VersionCatalogPrice: the catalog price of the new vehicle, excluding options and packs.
- TotalCatalogPrice: the total price of the new vehicle, including options and packs.
- TotalCylinderCapacity: the vehicle's total cylinder capacity.
- HorsePower: the vehicle's combined power in HP (all engines).
- CO2Combined: The vehicle's combined CO² exhaust emission in g/km.
- Automatic: a nominal value (0 or 1) to indicate whether the vehicle has an automatic gear box.

Output

The output will be presented as followed:

```
<BlockV xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" name="Residual Value" id="BlockV">
  <Parameters>
    <PartnerId>inMotiv</PartnerId>
    <CustomerId>6</CustomerId>
    <CustomerId2>6</CustomerId2>
    <ServiceId>ACTUEEL</ServiceId>
    <Country>BE</Country>
    <VersionId>15060259</VersionId>
    <LicensePlate/>
    <Vin/>
    <Brand>AUDI</Brand>
    <Model>A6 Avant</Model>
    <VersionName>TDI Ultra S-Tronic</VersionName>
    <FuelType>DIESEL</FuelType>
    <PaBw>pa</PaBw>
    <FirstRegistrationDate>11-08-2016</FirstRegistrationDate>
    <Mileage>7705</Mileage>
    <VersionCatalogPrice>39338.84</VersionCatalogPrice>
    <TotalCatalogPrice>39338.84</TotalCatalogPrice>
    <TotalCylinderCapacity>1968</TotalCylinderCapacity>
    <HorsePower>190</HorsePower>
    <Co2>114</Co2>
    <Automatic>1</Automatic>
    <EnergyLabel>A</EnergyLabel>
  </Parameters>
  <CurrentMileage>7705</CurrentMileage>
  <CatalogPrice unit="euro">39338.84</CatalogPrice>
  <B2Bvalue unit="euro">30360</B2Bvalue>
  <B2Cvalue unit="euro">36135</B2Cvalue>
  <C2Cvalue unit="euro">36135</C2Cvalue>
  <OpinionIndication>
    B2B, B2C en C2C resultaten zijn inclusief, dan wel exclusief BTW, afhankelijk
    van de opgave van de Consumentenprijs, Opties & Accessoires.
  </OpinionIndication>
</BlockV>
```

In the API's answer, we repeat the input fields, and give the following calculated values:

- B2Bvalue: the value for business to business trading
- B2Cvalue: the value for business to consumer trading
- C2Cvalue: the value for consumer to consumer trading

2. Future Residual Value

The future residual value can be retrieved using the following URL:
<https://api.inmotiv.be/Rest/carwizard/1.3/GetFutureResValue?ApiKey=<ApiKey>>

Input

In this case there are six mandatory fields:

- ApiKey: the API key that was assigned to you by InMotiv
- Mileage: the vehicle's current mileage
- ContractDuration: the duration in months for which we have to calculate the future residual value.
- ContractMileage: the increase in mileage (km) between start date and end date.
- ContractKilometersYear: the number of kilometers per year that the vehicle will drive in the considered period.
- ContractPeriodicity: the number of points per year for which you desire a calculation of the future residual value (in between start and end date).

The other fields may be filled in accordance to the information you currently hold on the vehicle, similar as how you enter the fields for the current residual value.

Output

```
<BlockF xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" name="Future Residual Value"
id="BlockF">
  <Parameters>
    <PartnerId>inMotiv</PartnerId>
    <CustomerId>6</CustomerId>
    <CustomerId2>6</CustomerId2>
    <ServiceId>TOEKOMST</ServiceId>
    <VersionId>15060259</VersionId>
    <LicensePlate/>
    <Brand>AUDI</Brand>
    <Model>A6 Avant</Model>
    <VersionName>TDI Ultra S-Tronic</VersionName>
    <FuelType>DIESEL</FuelType>
    <PaBw>pa</PaBw>
    <FirstRegistrationDate>11-08-2016</FirstRegistrationDate>
    <Mileage>7705</Mileage>
    <VersionCatalogPrice>39338.84</VersionCatalogPrice>
    <TotalCatalogPrice>39338.84</TotalCatalogPrice>
    <TotalCylinderCapacity>1968</TotalCylinderCapacity>
    <HorsePower>190</HorsePower>
    <Co2>114</Co2>
    <Automatic>1</Automatic>
    <EnergyLabel>A</EnergyLabel>
```

```

    <ContractDuration>36</ContractDuration>
    <ContractMileage>7705</ContractMileage>
    <ContractKilometersYear>25000</ContractKilometersYear>
    <CurvePeriodicity>1</CurvePeriodicity>
</Parameters>
<CurrentMileage>7705</CurrentMileage>
<Catalogprice unit="euro">39338.84</Catalogprice>
<ContractDuration>36</ContractDuration>
<CurvePeriodicity>1</CurvePeriodicity>
<AnnualMileage>25000</AnnualMileage>
<B2Bvalue unit="euro">30360</B2Bvalue>
<B2Cvalue unit="euro">36135</B2Cvalue>
<C2Cvalue unit="euro">36135</C2Cvalue>
<EndB2Bvalue unit="euro">15791</EndB2Bvalue>
<EndB2Cvalue unit="euro">20566</EndB2Cvalue>
<EndC2Cvalue unit="euro">19885</EndC2Cvalue>
<EndMileage>82705</EndMileage>
<Periods>
  <Period>
    <EndDate>20-01-2018</EndDate>
    <EndMileage>7705</EndMileage>
    <EndB2Cvalue unit="euro">36135</EndB2Cvalue>
    <EndB2Bvalue unit="euro">30360</EndB2Bvalue>
    <EndC2Cvalue unit="euro">36135</EndC2Cvalue>
  </Period>
  <Period>
    <EndDate>20-01-2019</EndDate>
    <EndMileage>32705</EndMileage>
    <EndB2Cvalue unit="euro">29949</EndB2Cvalue>
    <EndB2Bvalue unit="euro">24419</EndB2Bvalue>
    <EndC2Cvalue unit="euro">29949</EndC2Cvalue>
  </Period>
  <Period>
    <EndDate>20-01-2020</EndDate>
    <EndMileage>57705</EndMileage>
    <EndB2Cvalue unit="euro">24821</EndB2Cvalue>
    <EndB2Bvalue unit="euro">19640</EndB2Bvalue>
    <EndC2Cvalue unit="euro">24501</EndC2Cvalue>
  </Period>
  <Period>
    <EndDate>20-01-2021</EndDate>
    <EndMileage>82705</EndMileage>
    <EndB2Cvalue unit="euro">20566</EndB2Cvalue>
    <EndB2Bvalue unit="euro">15791</EndB2Bvalue>
    <EndC2Cvalue unit="euro">19885</EndC2Cvalue>
  </Period>
</Periods>
  <OpinionIndication>
    B2B, B2C en C2C resultaten zijn inclusief, dan wel exclusief BTW, afhankelijk
    van de opgave van de Consumentenprijs, Opties & Accessoires.
  </OpinionIndication>
</BlockF>

```

In the API's answer, we repeat the input fields, and give the following calculated values:

At the beginning of the requested period, the current residual value:

- B2Bvalue: the value for business to business trading
- B2Cvalue: the value for business to consumer trading
- C2Cvalue: the value for consumer to consumer trading

At the end of the requested period:

- EndDate: the date at the end of the requested period
- EndMileage: the calculated mileage at the end of the requested period
- EndB2Bvalue: the value for business to business trading
- EndB2Cvalue: the value for business to consumer trading
- EndC2Cvalue: the value for consumer to consumer trading

At each interval point in the requested period:

- EndDate: the date at the interval point
- EndMileage: the calculated mileage at the interval point
- EndB2Bvalue: the value for business to business trading
- EndB2Cvalue: the value for business to consumer trading
- EndC2Cvalue: the value for consumer to consumer trading

Questions?

Do not hesitate to contact us should you need any further information:

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We also provide API-keys reserved for performing a limited amount of test calls, free of charge.