B&C Consulting Tuning Database API

Introduction

Thank you for purchasing our Tuning Database API subscription !

With this API you can integrate the B&C Consulting tuning data such as stages, power & torque (original & modified), prices, etc, on your website or application.

We provide a restful API, which basically means you send the proper HTTP verb to the URIs in our documentation below and you'll receive a JSON response containing the data you need.

Notice: We do not provide technical assistance on how to implement the API in your website or application. The API documentation should be straightforward and easy to use for any experienced programmer who has worked with restful API's before.

Setup

To start using our API, two things are required:

- Your server's public IP must be set, meaning the server from where you'll make the API calls from.
  In case you have ordered the API subscription from the B&C Consulting website, you can set 3 IPs per API token in your profile.

- Per API call, you'll need to provide your API token.
  In case you have ordered the API subscription from the B&C Consulting website, you can find the API token in your profile.

API Calls

Below you'll find cURL commands for each API call we provide. You can convert these commands to use with your own cURL library you'd wish to use.

In the examples, we use the Api-Token 'abcd'. Replace this with your own Api-Token.

Query vehicle types

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles"

Query brands for a vehicle type

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands"

Query models for a brand

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models"

Query build years for a model

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models/**model id**/years"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models/**model name**/years"

Query motors for a build year

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models/**model id**/years/**year id**/motors"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models/**model name**/years/**year name**/motors"

Query stages for a motor

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models/**model id**/years/**year id**/motors/**motor id**/power/**motor power**/stages"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models/**model name**/years/**year name**/motors/**motor id**/power/**motor power**/stages"

Query dsg info for a motor

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models/**model id**/years/**year id**/motors/**motor id**/power/**motor power**/dsg"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models/**model name**/years/**year name**/motors/**motor id**/power/**motor power**/dsg"

Query options for a motor

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/models/**model id**/years/**year id**/motors/**motor id**/power/**motor power**/options"

OR

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type name**/brands/**brand name**/models/**model name**/years/**year name**/motors/**motor id**/power/**motor power**/options"

Query specific category info

For example: query car model name by it's id
curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/category/**model id**"

This can be used to query vehicle type names, brand names, model names, build year names and motor names, by their id.

Query brand logo (premium subscriptions only)

curl -Ss -H "Api-Token: abcd" "http://tuning-api.br-performance.com/vehicles/**vehicle type id**/brands/**brand id**/logo"

Altering tuning data, by using formulas

In case you have ordered the API subscription from the B&C Consulting website, you can define formulas which recalculate the outcome of the power, torque and price values. By visiting your profile page on the B&C Consulting website, you'll find 3 formula fields per purchased token.

In your formulas, you can use these variables:
$price
$power
$torque

For example:
$price + 100 will result in €800 if the original price is €700

Per formula field you'll find an example output (right side). Each example uses '100' for each variable.

Another example:
Convert EURO prices to DOLLAR: $price * 1.116056

Operators

+ - * / ^

Functions

- sin
- cos
- tn
- asin
- acos
- atn
- min
- max
- avg

Example: $power + sin(10)

Notice: It could take maximum 1 hour for new or altered formulas to be applied on your data.

Notice: When you don't use formulas to alter the tuning data, you can just leave the formula fields empty, instead of just placing the variables.

Tips & extra information

Our API is build with speed in mind. Nonetheless we advise you to cache our data on your website or application server.
For PHP users we recommend the Zebra_cURL library by Stefan Gabos.
http://stefangabos.ro/php-libraries/zebra-curl/