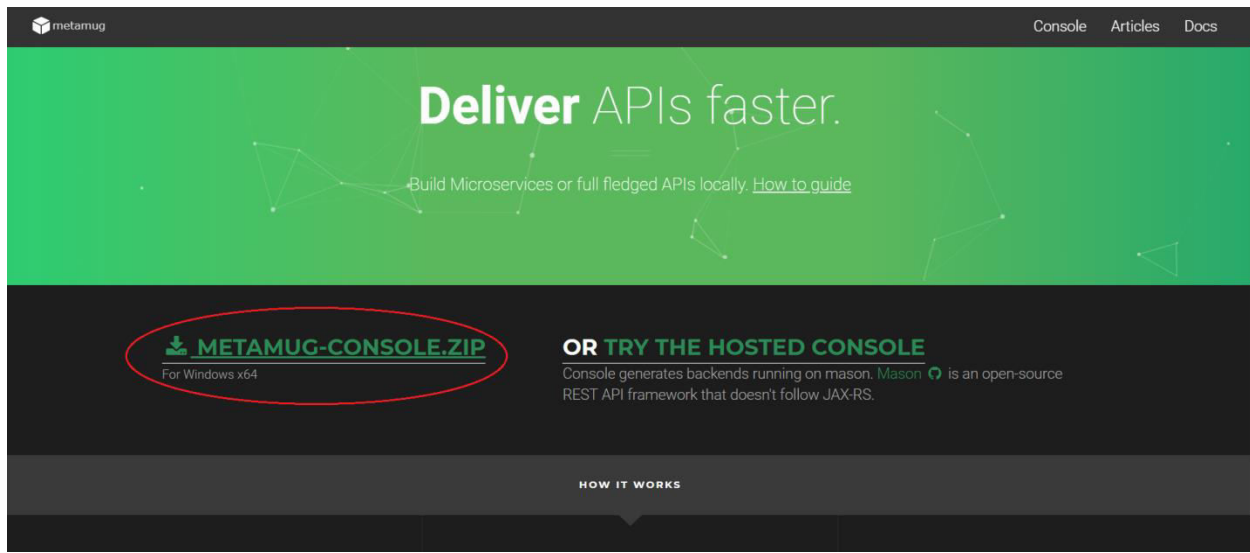


HOW TO USE METAMUG CONSOLE:

Step 1: Open your browser and type in <https://metamug.com/download>

Step 2: Once on the download page you can click on this button which will initiate download of Metamug console.



Step 3: Unzip the folder and navigate to METAMUG_CONSOLE/bin

Do not have an account yet? Click [here](#) to register

Email

Password

[Forgot password?](#)

Login





Step 7: Once you have successfully logged in, you will be able to see a screen like this.

Account

Email	hi@metamug.com
Created	Jul 11 '17 at 17:28
Organisation	Metamug
Password	Change Password

Verify your email account

You may not be able to reset your password if you do not have a verified email account.

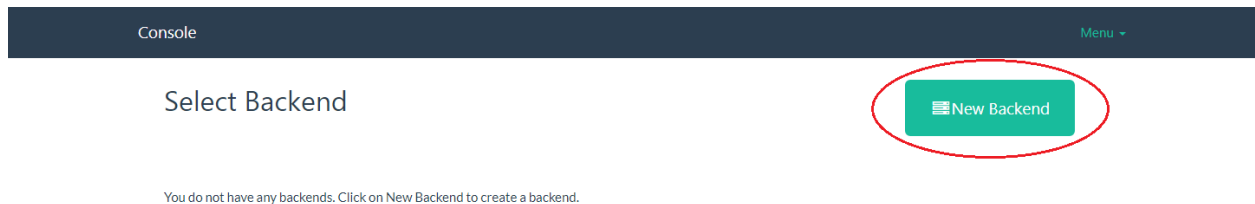
- A  Backends
- B  Account
- C  Help
- D  Log out

If you click on the menu you will be able to see a few options.

- A- See backends.
- B- Account information.
- C- Help, queries, feedback, etc. can be sent through this page.
- D- Log out and end session.

Step 8: Moving on with creating our backend, a backend is needed for our resource file. A resource file holds all the queries that a user can design as per their need.

A new user that has no backends created earlier will have a page like this.



By clicking on New Backend button you can create a new backend.

Select Backend

New Backend

You do not have any backends. Click on New

New Backend ✕

Name
cars ✓

Description
This backend has our resource file

Create

Then you can select the backend that you just created.

Select Backend

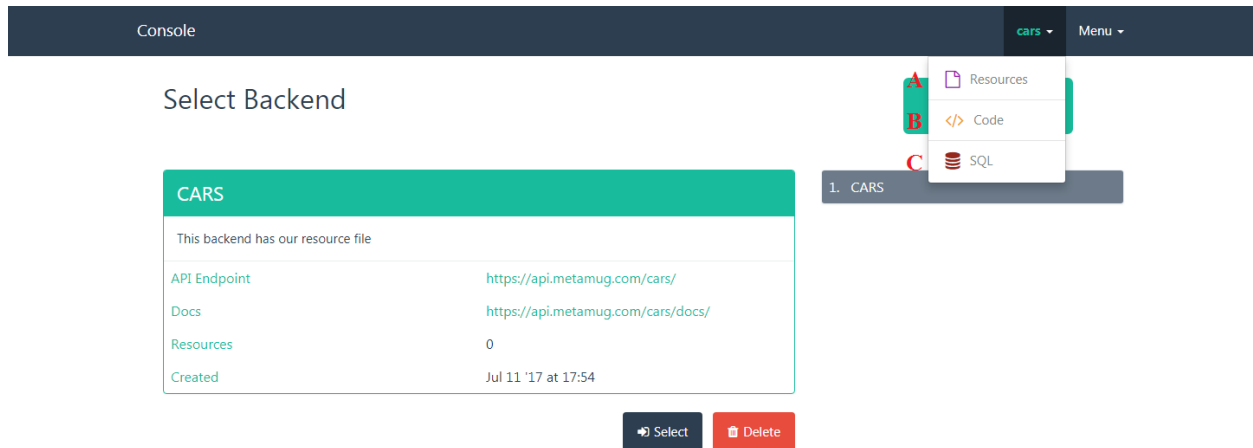
New Backend

CARS	
This backend has our resource file	
API Endpoint	https://api.metamug.com/cars/
Docs	https://api.metamug.com/cars/docs/
Resources	0
Created	Jul 11 '17 at 17:54

1. CARS

Select Delete

Step 9: Now that we have a backend in place we can create our resource.xml file.



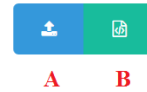
You can click on your backend and see the options

- A- Resource file(s).
- B- Code.
- C- SQL Editor.

Click on Resources.

Resources

You do not have any uploaded resources. Click on New Resource to upload a resource file.
Click [here](#) view docs for resource files.



If you have not created any resource file yet, you'll see a screen like this. There are two options available here.

A- Upload an XML file.

B- Create an XML file.

Before we go any further with creating and using a resource file we need to create a table in the Database to use it with our resource. For that you need to click on “cars(your backend)->SQL”

The screenshot shows the SQL Editor interface. The query entered is:

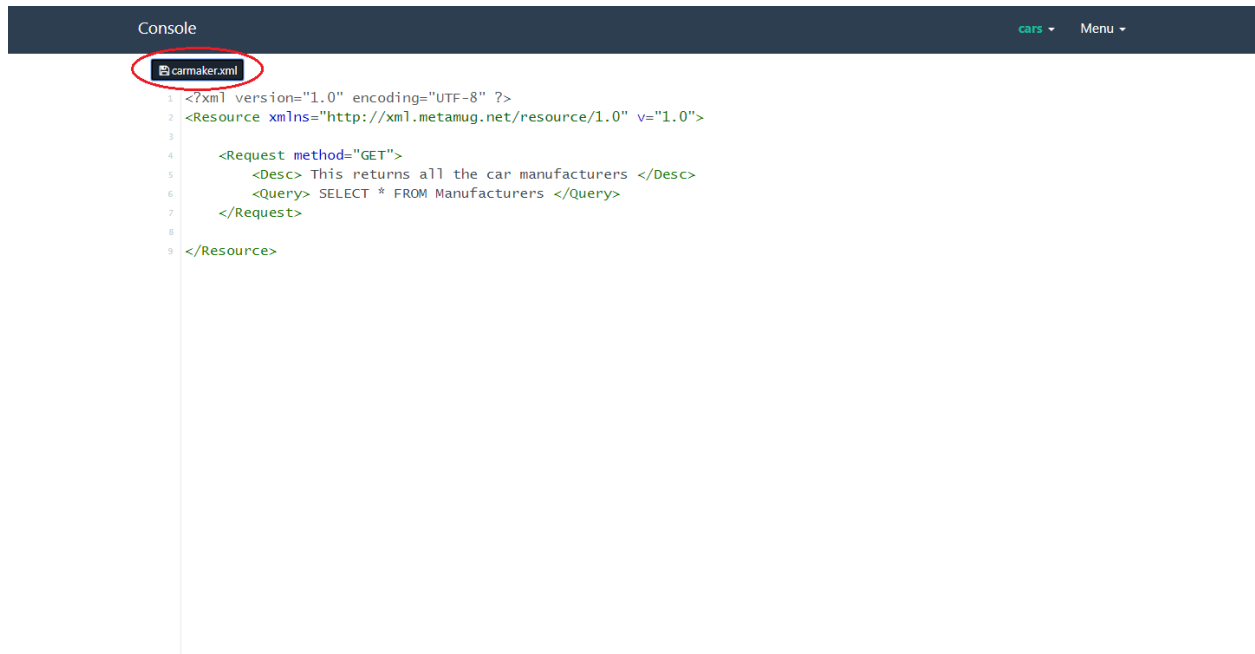
```
1 create table Manufacturers (id int, name varchar(30));
2 insert into Manufacturers values(1,"Toyota");
3 insert into Manufacturers values(2,"Nissan");
4 insert into Manufacturers values(3,"Pagani");
5 insert into Manufacturers values(4,"Ford");
6 insert into Manufacturers values(5,"Jaguar");
7 select * from Manufacturers;
```

The results show a table with 5 records. The first two rows are visible:

id	name
1	Toyota
2	Nissan

Now we can create our resource file and use the Manufacturers table (your defined table).

Now to create XML click on “cars(your backend)->Resources” then click on Create an XML file.



```
Console cars ▾ Menu ▾  
carmaker.xml  
1 <?xml version="1.0" encoding="UTF-8" ?>  
2 <Resource xmlns="http://xml.metamug.net/resource/1.0" v="1.0">  
3  
4 <Request method="GET">  
5 <Desc> This returns all the car manufacturers </Desc>  
6 <Query> SELECT * FROM Manufacturers </Query>  
7 </Request>  
8  
9 </Resource>
```

The Request tag’s method attribute defines which type of Request it is, “GET” in this case. You can learn more about RESTful methods and other attributes supported in our XML.

<https://metamug.com/docs/>

Once done you need to save your XML.

The screenshot shows the Metamug console interface. At the top, there is a dark header with 'Console' on the left, 'cars' and 'Menu' on the right. Below the header, a 'New Resource' dialog box is open, displaying XML code. The XML code is as follows:

```
<?xml version="1.0" encoding="UTF-8" ?>
<Resource xmlns="http://xml.metamug.net/resource/1.0" v="1.0">
  <Request method="GET">
    <Desc> This returns all the car manufacturers </Desc>
    <Query> SELECT * FROM
  </Request>
</Resource>
```

The dialog box has a title 'Enter resource name' and a text input field containing 'carmaker'. A 'Save' button is located at the bottom right of the dialog.

Step 10: Now you can make a request using the resource “Version” and the resource “Name” or by just copying the “Endpoint”.

The screenshot shows the Metamug Resources table. The table has the following columns: Name, Version, Endpoint, Last Modified, and Options. The 'Name' column contains 'carmaker' and the 'Version' column contains 'v1.0'. Both 'carmaker' and 'v1.0' are circled in red. The 'Endpoint' column contains '/v1.0/carmaker', the 'Last Modified' column contains 'Jul 11 '17 at 18:38', and the 'Options' column contains a download and delete icon.

Name	Version	Endpoint	Last Modified	Options
carmaker	v1.0	/v1.0/carmaker	Jul 11 '17 at 18:38	



For example:

Request- <http://localhost:7000/cars/v1.0/carmaker> *(you can use this URL with a rest client)

Response-

```
[{"name":"Toyota","id":1}, {"name":"Nissan","id":2}, {"name":"Pagani","id":3}, {"name":"Ford","id":4}, {"name":"Jaguar","id":5}]
```

Contact us: hi@metamug.com .