

Creating the API Endpoint URL's using Actions on IBM Cloud

Please follow the instructions given below to create API Endpoint URL's.

1. Create the Action

1. Navigate to the resources page - <https://cloud.ibm.com/resources>.
2. Go to Functions -> Actions
3. Create an Action named `get-dealership` by choosing language as `node.js`
4. Select the package as `dealership-package`
5. Method used will be `GET METHOD`
6. Parameters for this action will be `None` since this will retrieve all the dealership details from the DB

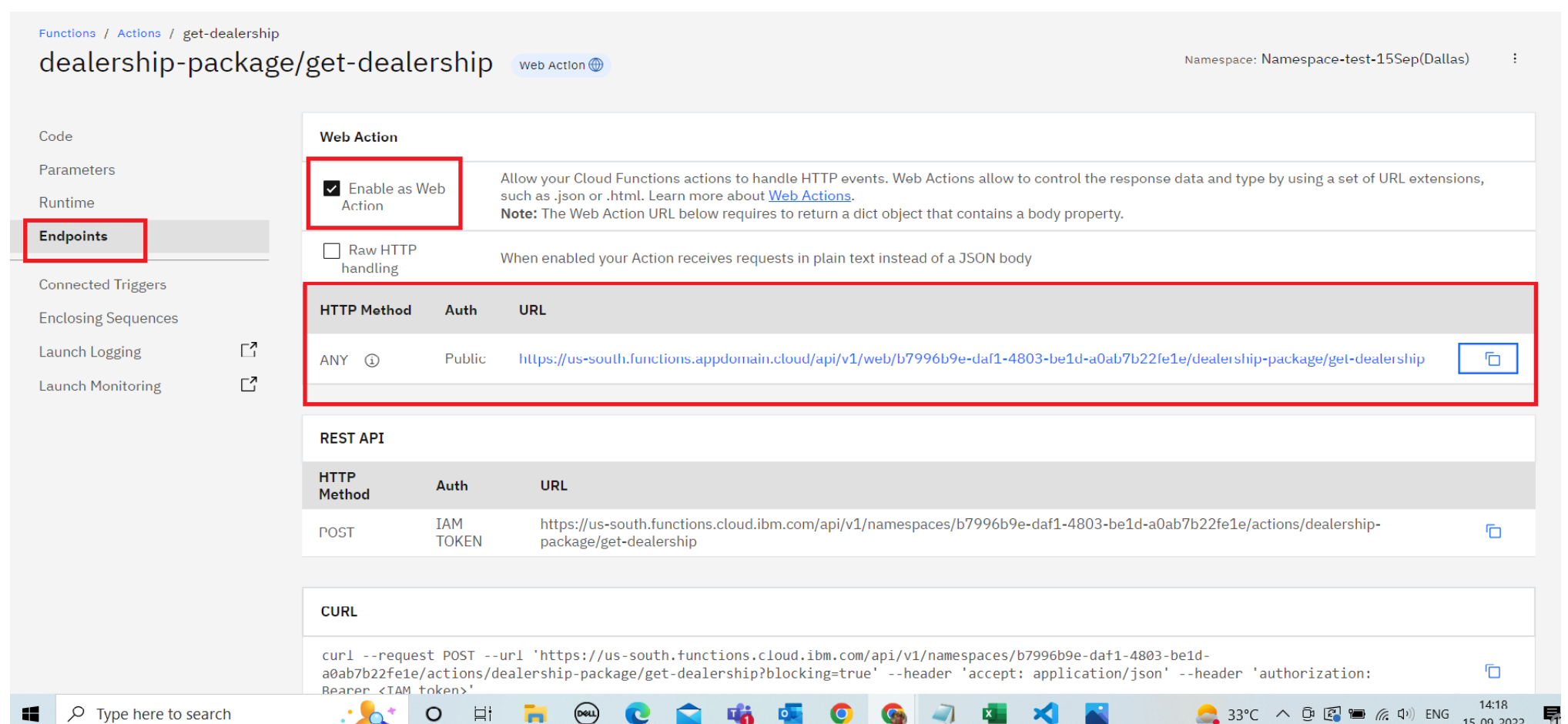
2. Update the code for the Action

1. Once the Action is created, click on it and update the code for the `get-dealership` action in the code page.
2. Save the code and invoke the action (without parameters) to test if it's generating the desired output (as given in the Instructions page)

3. Get the Endpoint URL's

1. Click on Endpoints, and check the "Enable as Web Action" and save.
2. You will be able to see the Public URL (which does not need authentication) and the POST URL (which need API Authentication) to access.

Please see the screenshot below:



The screenshot displays the IBM Cloud Functions console for the 'dealership-package/get-dealership' action. The 'Endpoints' tab is selected, showing the 'Enable as Web Action' checkbox checked. Below this, the 'HTTP Method' table lists the 'ANY' method with 'Public' authentication and a public URL. The 'REST API' table lists the 'POST' method with 'IAM TOKEN' authentication and a private URL. The 'CURL' section shows the command for the POST request.

HTTP Method	Auth	URL
ANY	Public	https://us-south.functions.appdomain.cloud/api/v1/web/b7996b9e-daf1-4803-be1d-a0ab7b22fe1e/dealership-package/get-dealership

HTTP Method	Auth	URL
POST	IAM TOKEN	https://us-south.functions.cloud.ibm.com/api/v1/namespaces/b7996b9e-daf1-4803-be1d-a0ab7b22fe1e/actions/dealership-package/get-dealership

```
curl --request POST --url 'https://us-south.functions.cloud.ibm.com/api/v1/namespaces/b7996b9e-daf1-4803-be1d-a0ab7b22fe1e/actions/dealership-package/get-dealership?blocking=true' --header 'accept: application/json' --header 'authorization: Bearer <IAM token>'
```

3. Copy the Public URL and try opening it from a new browser to see if it returns the dealerships in a JSON format.

Please see the screenshot below:

```
[{
  "doc": {
    "_id": "daff62b995e5a34d241c1babb047a09f",
    "_rev": "1-34e7ebd07643af43db578a46ee1d6365",
    "address": "3 Nova Court",
    "city": "El Paso",
    "full_name": "Holdlamis Car Dealership",
    "id": 1,
    "lat": 31.6948,
    "long": -106.3,
    "short_name": "Holdlamis",
    "st": "TX",
    "state": "Texas",
    "zip": "88563"
  },
  "id": "daff62b995e5a34d241c1babb047a09f",
  "key": "daff62b995e5a34d241c1babb047a09f",
  "value": {
    "rev": "1-34e7ebd07643af43db578a46ee1d6365"
  }
}, {
  "doc": {
    "_id": "daff62b995e5a34d241c1babb047a106",
    "_rev": "1-d1778a396ca8cb0ef2966a9854eb93ee",
    "address": "6337 Butternut Crossing",
    "city": "Minneapolis",
    "full_name": "Temp Car Dealership",
    "id": 2,
    "lat": 44.9762,
    "long": -93.2759,
    "short_name": "Temp",
    "st": "MN",
    "state": "Minnesota",
    "zip": "55402"
  },
  "id": "daff62b995e5a34d241c1babb047a106",
  "key": "daff62b995e5a34d241c1babb047a106".
}
```

Note: Please note that using Public URL is not recommended for Production. In real time scenarios please use the URL with the IAM Authentication for security purpose.

Please follow the same steps for the next two actions:

- 1. /get-review - Choose language as **Python** , package as **dealership-package** and method as **GET METHOD**
- 2. /post-review - Choose language as **Python** and package as **dealership-package** and method as **POST METHOD**

To check whether the URL is working, kindly use Postman Online. If you do not know how to use Postman, kindly click [here](#).