

## TOC

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## LAB : Define baseUri ,Resources, Methods, Media Type and Query Params in RAML spec

In this lab you will -

- a) Define Base uri
- b) Define Resources in RAML Spec
- c) Define methods for Resources
- d) Define Media Type
- e) Define Query Params

### Step 1 – Define base uri

1. Go to Design Center
2. Click on BookMyHotelAPI project
3. In root RAML specification, specify baseUri as shown below :-



- 1.

Booking	/bookings/(bookingsd)
---------	-----------------------

- 2.



- D.

/bookings represents all the bookings irrespective of the hotel

Congratulations, you have completed step 2.

### Step 3 – Define Methods for Resources

1. Methods for Registrations and Registration Resource (Actions mapped to methods) are as shown below :-

Resource	Action	Method	Resource Path
REGISTRATIONS	Get a list of registrations	GET	/registrations
REGISTRATIONS	Register a traveller	POST	/registrations
REGISTRATION	Get a specific registration	GET	/registrations/{registrationId}
REGISTRATION	Delete a specific registration	DELETE	/registrations/{registrationId}
REGISTRATION	Update specific registration	PATCH	/registrations/{registrationId}

a.

2. Define the methods for Registrations and Registration resources in RAML specs as shown below

ed a few seconds ago BookMyHotelAPI/mast

Files +  
Q Filter  
\* bookmyhotelapi.raml Root file  
exchange.json

```
1  ##RAML 1.0
2  title: BookMyHotelAPI
3  baseUrl: http://bookmyhotel.com
4
5  /registrations:
6    get:
7    post:
8    /{registrationId}:
9      get:
10     delete:
11     patch:
```

a.

3. Methods for Hotels and Hotel Resource (Actions mapped to methods) are as shown below :-

Resource	Action	Method	Resource Path
HOTELS	Get a list of hotels	GET	/hotels
HOTELS	Register a hotel	POST	/hotels
HOTEL	Get a specific hotel	GET	/hotels/{hotelId}
HOTEL	Delete a specific hotel	DELETE	/hotels/{hotelId}
HOTEL	Update specific hotel	PATCH	/hotels/{hotelId}
BOOKINGS	Get a list of bookings for a hotel	GET	/hotels/{hotelId}/bookings

a.

4. Define the methods for Hotels and Hotel resources in RAML specs as shown below

a.

```

12  /hotels:
13    get:
14    post:
15    /{hotelId}:
16      get:
17      delete:
18      patch:
19    /bookings:
20      get:

```

5. Methods for Bookings and Booking Resource (Actions mapped to methods) are as shown below :

a.

Resource	Action	Method	Resource Path
BOOKINGS	Get a list of bookings	GET	/bookings
BOOKINGS	Add a new booking	POST	/bookings
BOOKING	Get a specific booking	GET	/bookings/{bookingId}
BOOKING	Delete a specific booking	DELETE	/bookings/{bookingId}
BOOKING	Update specific booking	PATCH	/bookings/{bookingId}

6. Define the methods for Bookings and Booking resources in RAML specs as shown below

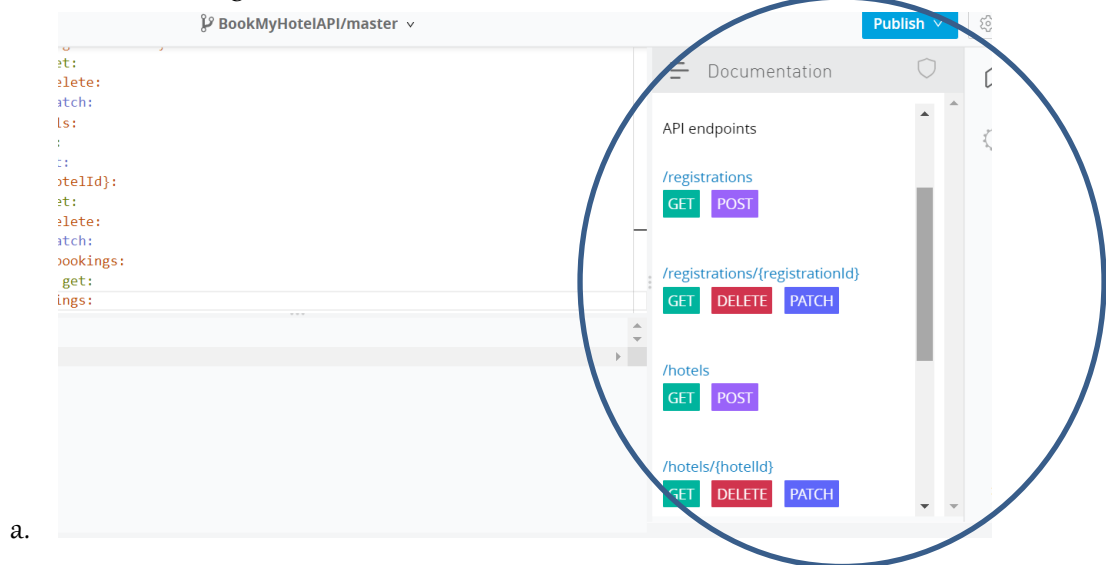
a.

```

21  /bookings:
22    get:
23    post:
24    /{bookingId}:
25      get:
26      delete:
27      patch:

```

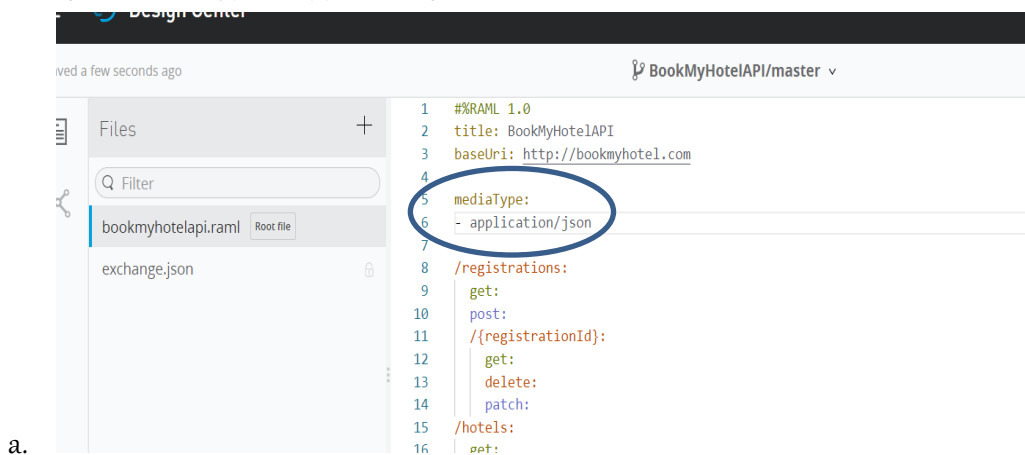
7. Check API Console at right hand side (resources and methods visible) :-



Congratulations, you have completed step 3.

### Step 4 – Define Media Type

1. Define Default media type as application/json as shown below :-



- a.
  - i. Default media type is to be defined at the **top Section** of RAML specification
2. As we have defined the default media type, it is applicable to all request /response body of all resource/method combination.

**Congratulations, you have completed step 4.**

### Step 5 – Define Query Parameters

1. For Hotels resource (/hotels), we will define three query parameters – city, state and country assuming that hotels can be searched on the basis of the city, state and country
2. Define the query parameters for Hotels resource as shown below :-

```
    /registrations:
      get:
      post:
      /{registrationId}:
        get:
        delete:
        patch:
    /hotels:
      get:
        queryParameters:
          city:
          state:
          country:
      post:
```

3. By default all query parameters are mandatory/required but we want to make it optional as per our use case.
4. Define query parameters as optional as shown below -

```
      patch:
    /hotels:
      get:
        queryParameters:
          city:
            required: false
          state:
            required: false
          country:
            required: false
```

**Congratulations, you have completed step 5.**

**Congratulations!! You have completed this exercise.**