

Smart House Solutions API

1. Get all devices

Endpoint: /api/Devices/GetAllDevices

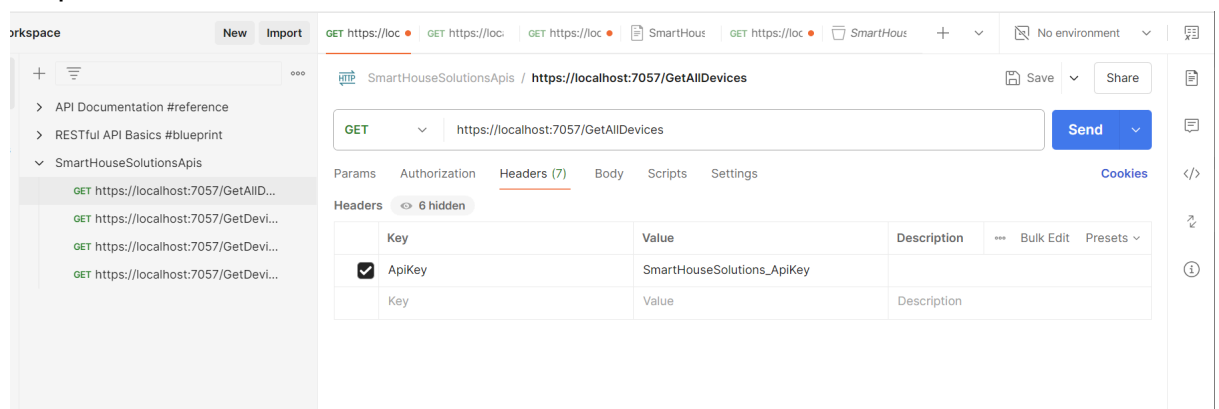
Method: GET

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves all devices in the system along with customer information.

Request:



Response:

```
{
  "$id": "1",
  "$values": [
    {
      "$id": "2",
      "deviceId": 1,
      "deviceName": "Living Room Camera",
      "deviceType": "Camera",
      "customerId": 1,
      "customerName": "Rahul Sharma",
      "customerEmail": "rahul.sharma@sample.com"
    },
    {
      "$id": "3",
      "deviceId": 2,
      "deviceName": "Front Door Alarm System",
      "deviceType": "Alarm System",
      "customerId": 1,

```

```

        "customerName": "Rahul Sharma",
        "customerEmail": "rahul.sharma@sample.com"
    },
    {
        "$id": "4",
        "deviceId": 3,
        "deviceName": "Backyard Camera",
        "deviceType": "Camera",
        "customerId": 3,
        "customerName": "Amit Patel",
        "customerEmail": "amit.patel@sample.com"
    },
    {
        "$id": "5",
        "deviceId": 4,
        "deviceName": "Garage Alarm System",
        "deviceType": "Alarm System",
        "customerId": 4,
        "customerName": "Sneha Rao",
        "customerEmail": "sneha.rao@sample.com"
    },
    {
        "$id": "6",
        "deviceId": 5,
        "deviceName": "Kitchen Camera",
        "deviceType": "Camera",
        "customerId": 5,
        "customerName": "Vikram Singh",
        "customerEmail": "vikram.singh@sample.com"
    }
]
}

```

2. Get device by Id

Endpoint: /api/Devices/GetDeviceById/{deviceId}

Method: GET

Path Parameter: The ID of the device to retrieve.

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves device information in the system along with customer information for requested device id.

Request:

The screenshot shows the Postman interface with a REST client request configured. The URL is `https://localhost:7057/GetDeviceById/5` and the method is `GET`. The Headers tab is active, showing a table with headers. The 'ApiKey' header is checked and has the value `SmartHouseSolutions_ApiKey`. The response status is `200 OK`.

Key	Value	Description
<input checked="" type="checkbox"/> ApiKey	SmartHouseSolutions_ApiKey	
<input type="checkbox"/> Key	Value	Description

Response:

The screenshot shows the Postman interface with the response body displayed. The status is `200 OK` with a response time of `130 ms` and a size of `311 B`. The response is in JSON format and contains the following data:

```
{
  "$id": "1",
  "deviceId": 5,
  "deviceName": "Kitchen Camera",
  "deviceType": "Camera",
  "customerId": 5,
  "customerName": "Vikram Singh",
  "customerEmail": "vikram.singh@sample.com"
}
```

3. Get device by type

Endpoint: `/api/Devices/GetDevicesByType/{typeName}`

Method: GET

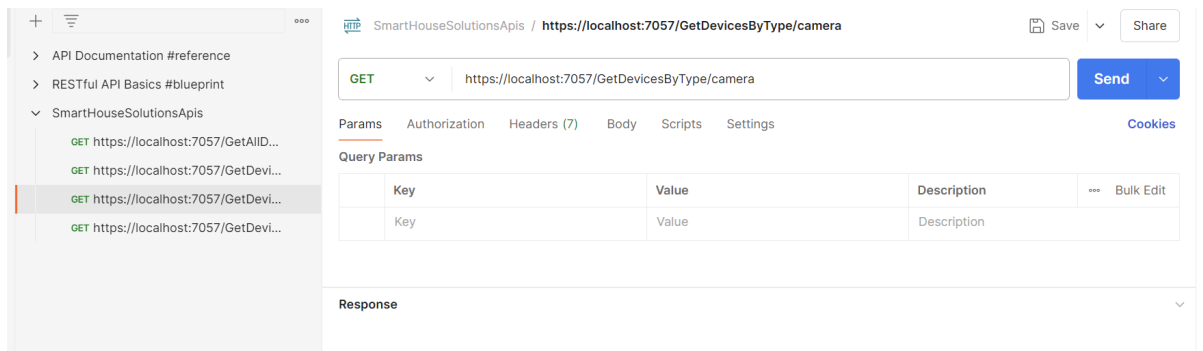
Path Parameter: The type of the device to retrieve.

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves device information in the system along with customer information for requested device type.

Request:



Response:

```
{
  "$id": "1",
  "$values": [
    {
      "$id": "2",
      "deviceId": 1,
      "deviceName": "Living Room Camera",
      "deviceType": "Camera",
      "customerId": 1,
      "customerName": "Rahul Sharma",
      "customerEmail": "rahul.sharma@sample.com"
    },
    {
      "$id": "3",
      "deviceId": 3,
      "deviceName": "Backyard Camera",
      "deviceType": "Camera",
      "customerId": 3,
      "customerName": "Amit Patel",
      "customerEmail": "amit.patel@sample.com"
    },
    {
      "$id": "4",
      "deviceId": 5,
      "deviceName": "Kitchen Camera",
      "deviceType": "Camera",
      "customerId": 5,
      "customerName": "Vikram Singh",
      "customerEmail": "vikram.singh@sample.com"
    }
  ]
}
```

4. Get device by customerId

Endpoint: /api/Devices/GetDevicesByCustomerId/{customerId}

Method: GET

Path Parameter: customerId

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves all device information in the system along with customer information for requested customer id.

Request:

SmartHouseSolutionsApis / <https://localhost:7057/GetDevicesByCustomerId/3> Save Share

GET <https://localhost:7057/GetDevicesByCustomerId/3> Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	ApiKey	SmartHouseSolutions_ApiKey				
	Key	Value	Description			

Response

Response:

SmartHouseSolutionsApis / <https://localhost:7057/GetDevicesByCustomerId/3> Save Share

GET <https://localhost:7057/GetDevicesByCustomerId/3> Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	ApiKey	SmartHouseSolutions_ApiKey				
	Key	Value	Description			

Body Cookies Headers (4) Test Results 200 OK • 116 ms • 354 B • 🌐 📄 🔍

Pretty Raw Preview Visualize JSON 🔽 ⚙️

```
1 {
2   "$id": "1",
3   "customerId": 3,
4   "customerName": "Amit Patel",
5   "customerEmail": "amit.patel@sample.com",
6   "devices": {
7     "$id": "2",
8     "$values": [
9       {
10        "$id": "3",
11        "deviceId": 3,
12        "deviceName": "Backyard Camera",
13        "deviceType": "Camera"
14      }
15    ]
16  }
```

Additional Information: The database should be created using the provided database script. Additionally, the server name in the connection string needs to be updated to reflect the correct database server.