home-iot-api v1.0.0

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Scroll down for code samples, example requests and responses. Select a language for code samples from the tabs above or the mobile navigation menu.

The API for the EatBacon IOT project

Base URLs:

* https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0

Device

## getDevices

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/devices HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /devices

returns all registered devices

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| skip | query | integer(int32) | false | number of records to skip |
| limit | query | integer(int32) | false | max number of records to return |

Example responses

200 Response

[  
 "http://10.0.0.225:8080"  
]

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | All the devices | Inline |

Response Schema

This operation does not require authentication

## register

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/devices HTTP/1.1  
Host: virtserver.swaggerhub.com  
Content-Type: application/json

POST /devices

Body parameter

{  
 "uri": "http://10.0.0.220:8080",  
 "id": "0729a580-2240-11e6-9eb5-0002a5d5c51b"  
}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| body | body | [DeviceRegistrationInfo](#schemadeviceregistrationinfo) | false | none |

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | successfully registered device | None |

This operation does not require authentication

Z-Wave

## setDimmer

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lighting/dimmers/{deviceId}/{value} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

POST /lighting/dimmers/{deviceId}/{value}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| deviceId | path | string | true | none |
| value | path | integer(int32) | true | none |

Example responses

200 Response

{  
 "code": 0,  
 "message": "everything is ok"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | response | [ApiResponse](#schemaapiresponse) |

This operation does not require authentication

## setDimmerTimer

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lighting/dimmers/{deviceId}/{value}/timer/{timeunit} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

POST /lighting/dimmers/{deviceId}/{value}/timer/{timeunit}

sets a dimmer to a specific value on a timer

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| deviceId | path | string | true | none |
| value | path | integer(int32) | true | none |
| timeunit | path | integer(int32) | true | none |
| units | query | string | false | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Parameter | Value |
| units | seconds |
| units | minutes |
| units | milliseconds |

Example responses

200 Response

{  
 "code": 0,  
 "message": "everything is ok"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | response | [ApiResponse](#schemaapiresponse) |

This operation does not require authentication

## getSwitchState

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lighting/switches/{deviceId} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /lighting/switches/{deviceId}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| deviceId | path | string | true | none |

Example responses

200 Response

{  
 "id": "string",  
 "name": "string",  
 "lastUpdate": "2019-08-24T14:15:22Z",  
 "level": 0  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | response | [DeviceState](#schemadevicestate) |

This operation does not require authentication

## setSwitch

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lighting/switches/{deviceId}/{value} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

POST /lighting/switches/{deviceId}/{value}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| deviceId | path | string | true | none |
| value | path | string | true | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Parameter | Value |
| value | true |
| value | false |

Example responses

200 Response

{  
 "code": 0,  
 "message": "everything is ok"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | response | [ApiResponse](#schemaapiresponse) |

This operation does not require authentication

## setSwitchTimer

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lighting/switches/{deviceId}/{value}/timer/{minutes} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

POST /lighting/switches/{deviceId}/{value}/timer/{minutes}

sets a switch to a specific value on a timer

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| deviceId | path | string | true | none |
| value | path | string | true | none |
| minutes | path | integer(int32) | true | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Parameter | Value |
| value | true |
| value | false |

Example responses

200 Response

{  
 "code": 0,  
 "message": "everything is ok"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | response | [ApiResponse](#schemaapiresponse) |

This operation does not require authentication

## getLightingSummary

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/lightingSummary HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /lightingSummary

Example responses

200 Response

{  
 "zones": [  
 {  
 "id": "string",  
 "name": "string",  
 "deviceId": 0,  
 "deviceType": "dimmer",  
 "zone": "string"  
 }  
 ],  
 "zoneStatus": [  
 {  
 "id": "string",  
 "name": "string",  
 "lastUpdate": "2019-08-24T14:15:22Z",  
 "level": 0  
 }  
 ]  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | ok | [LightingSummary](#schemalightingsummary) |

This operation does not require authentication

Environment

## temperatureSummary

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/temperature HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /temperature

Example responses

200 Response

{  
 "zones": [  
 {  
 "id": 0,  
 "name": "string",  
 "inputPosition": 0,  
 "outputPosition": 0,  
 "zone": "string"  
 }  
 ],  
 "zoneStatus": [  
 {  
 "id": "string",  
 "name": "string",  
 "value": 0,  
 "units": "celsius",  
 "timestamp": "2019-08-24T14:15:22Z"  
 }  
 ]  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | ok | [TemperatureSummary](#schematemperaturesummary) |

This operation does not require authentication

## getForecast

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/temperature/forecast/{days} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /temperature/forecast/{days}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| days | path | integer(int32) | true | none |

Example responses

200 Response

{  
 "city": {  
 "id": 0,  
 "name": "string",  
 "lat": 0,  
 "lon": 0,  
 "country": "string"  
 },  
 "values": [  
 {  
 "date": "2019-08-24T14:15:22Z",  
 "pressure": 0,  
 "humidity": 0,  
 "windSpeed": 0,  
 "clouds": 0,  
 "temperature": {  
 "low": 0,  
 "high": 0,  
 "morning": 0,  
 "day": 0,  
 "evening": 0,  
 "night": 0  
 },  
 "weather": {  
 "summary": "string",  
 "description": "string",  
 "icon": "string"  
 }  
 }  
 ]  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | the forecast | [ForecastResponse](#schemaforecastresponse) |

This operation does not require authentication

## getZoneTemperature

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/temperature/{zoneId} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /temperature/{zoneId}

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| zoneId | path | string | true | none |

Example responses

200 Response

{  
 "id": "string",  
 "name": "string",  
 "value": 0,  
 "units": "celsius",  
 "timestamp": "2019-08-24T14:15:22Z"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | Zone temperature | [TemperatueZoneStatus](#schematemperatuezonestatus) |

This operation does not require authentication

## getHeaterState

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/temperature/{zoneId}/heater HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /temperature/{zoneId}/heater

gets the state of the heater

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| zoneId | path | string | true | none |

Example responses

200 Response

{  
 "id": "string",  
 "state": "string"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | heater state | [HeaterState](#schemaheaterstate) |

This operation does not require authentication

## setHeaterState

Code samples

POST https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/temperature/{zoneId}/heater/{state} HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

POST /temperature/{zoneId}/heater/{state}

turns the heater on or off

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| zoneId | path | string | true | none |
| state | path | string | true | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Parameter | Value |
| state | false |
| state | true |

Example responses

200 Response

{  
 "code": 0,  
 "message": "everything is ok"  
}

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | Status of the operation | [ApiResponse](#schemaapiresponse) |

This operation does not require authentication

Zones

## getZones

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/zones HTTP/1.1  
Host: virtserver.swaggerhub.com  
Accept: application/json

GET /zones

Example responses

200 Response

[  
 "string"  
]

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | ok | Inline |

Response Schema

This operation does not require authentication

## quietZone

Code samples

GET https://virtserver.swaggerhub.com/MARK\_33/123/1.0.0/zones/{zoneId}/quiet HTTP/1.1  
Host: virtserver.swaggerhub.com

GET /zones/{zoneId}/quiet

Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | In | Type | Required | Description |
| zoneId | path | string | true | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Parameter | Value |
| zoneId | basement |
| zoneId | first-floor |
| zoneId | second-floor |

Responses

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Meaning | Description | Schema |
| 200 | [OK](https://tools.ietf.org/html/rfc7231#section-6.3.1) | ok | None |

This operation does not require authentication

# Schemas

LightingSummary

{  
 "zones": [  
 {  
 "id": "string",  
 "name": "string",  
 "deviceId": 0,  
 "deviceType": "dimmer",  
 "zone": "string"  
 }  
 ],  
 "zoneStatus": [  
 {  
 "id": "string",  
 "name": "string",  
 "lastUpdate": "2019-08-24T14:15:22Z",  
 "level": 0  
 }  
 ]  
}

ok

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| zones | [[LightingZone](#schemalightingzone)] | false | none | none |
| zoneStatus | [[LightingZoneStatus](#schemalightingzonestatus)] | false | none | [the status of the lighting zone.] |

LightingZone

{  
 "id": "string",  
 "name": "string",  
 "deviceId": 0,  
 "deviceType": "dimmer",  
 "zone": "string"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | string | false | none | none |
| name | string | false | none | none |
| deviceId | integer(int32) | false | none | none |
| deviceType | string | false | none | none |
| zone | string | false | none | none |

#### Enumerated Values

|  |  |
| --- | --- |
| Property | Value |
| deviceType | dimmer |
| deviceType | switch |

LightingZoneStatus

{  
 "id": "string",  
 "name": "string",  
 "lastUpdate": "2019-08-24T14:15:22Z",  
 "level": 0  
}

the status of the lighting zone.

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | string | false | none | none |
| name | string | false | none | none |
| lastUpdate | string(date-time) | false | none | none |
| level | integer(int32) | false | none | none |

TemperatureSummary

{  
 "zones": [  
 {  
 "id": 0,  
 "name": "string",  
 "inputPosition": 0,  
 "outputPosition": 0,  
 "zone": "string"  
 }  
 ],  
 "zoneStatus": [  
 {  
 "id": "string",  
 "name": "string",  
 "value": 0,  
 "units": "celsius",  
 "timestamp": "2019-08-24T14:15:22Z"  
 }  
 ]  
}

ok

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| zones | [[TemperatureZone](#schematemperaturezone)] | false | none | [a single temperature zone] |
| zoneStatus | [[TemperatueZoneStatus](#schematemperatuezonestatus)] | false | none | [status of a single zone] |

TemperatureZone

{  
 "id": 0,  
 "name": "string",  
 "inputPosition": 0,  
 "outputPosition": 0,  
 "zone": "string"  
}

a single temperature zone

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | integer(int32) | true | none | the unique identifier for the zone |
| name | string | true | none | none |
| inputPosition | integer(int32) | false | none | none |
| outputPosition | integer(int32) | false | none | none |
| zone | string | false | none | none |

TemperatueZoneStatus

{  
 "id": "string",  
 "name": "string",  
 "value": 0,  
 "units": "celsius",  
 "timestamp": "2019-08-24T14:15:22Z"  
}

status of a single zone

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | string | true | none | the unique identifier for the zone |
| name | string | false | none | the name of the zone |
| value | number(double) | true | none | the temperature in the zone |
| units | string | false | none | the temperature units |
| timestamp | string(date-time) | true | none | the timestamp when the temperature was measured |

#### Enumerated Values

|  |  |
| --- | --- |
| Property | Value |
| units | celsius |
| units | fahrenheit |

ApiResponse

{  
 "code": 0,  
 "message": "everything is ok"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| code | integer(int32) | false | none | none |
| message | string | false | none | none |

HeaterState

{  
 "id": "string",  
 "state": "string"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | string | false | none | none |
| state | string | false | none | none |

DeviceState

{  
 "id": "string",  
 "name": "string",  
 "lastUpdate": "2019-08-24T14:15:22Z",  
 "level": 0  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | string | false | none | none |
| name | string | false | none | none |
| lastUpdate | string(date-time) | false | none | none |
| level | integer(int32) | false | none | none |

ForecastResponse

{  
 "city": {  
 "id": 0,  
 "name": "string",  
 "lat": 0,  
 "lon": 0,  
 "country": "string"  
 },  
 "values": [  
 {  
 "date": "2019-08-24T14:15:22Z",  
 "pressure": 0,  
 "humidity": 0,  
 "windSpeed": 0,  
 "clouds": 0,  
 "temperature": {  
 "low": 0,  
 "high": 0,  
 "morning": 0,  
 "day": 0,  
 "evening": 0,  
 "night": 0  
 },  
 "weather": {  
 "summary": "string",  
 "description": "string",  
 "icon": "string"  
 }  
 }  
 ]  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| city | [City](#schemacity) | false | none | none |
| values | [[Forecast](#schemaforecast)] | false | none | none |

Forecast

{  
 "date": "2019-08-24T14:15:22Z",  
 "pressure": 0,  
 "humidity": 0,  
 "windSpeed": 0,  
 "clouds": 0,  
 "temperature": {  
 "low": 0,  
 "high": 0,  
 "morning": 0,  
 "day": 0,  
 "evening": 0,  
 "night": 0  
 },  
 "weather": {  
 "summary": "string",  
 "description": "string",  
 "icon": "string"  
 }  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| date | string(date-time) | false | none | none |
| pressure | number(double) | false | none | none |
| humidity | integer(int32) | false | none | none |
| windSpeed | number(double) | false | none | none |
| clouds | integer(int32) | false | none | none |
| temperature | [ForecastTemperature](#schemaforecasttemperature) | false | none | none |
| weather | [WeatherForecast](#schemaweatherforecast) | false | none | none |

City

{  
 "id": 0,  
 "name": "string",  
 "lat": 0,  
 "lon": 0,  
 "country": "string"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| id | integer(int64) | false | none | none |
| name | string | false | none | none |
| lat | number(double) | false | none | none |
| lon | number(double) | false | none | none |
| country | string | false | none | none |

ForecastTemperature

{  
 "low": 0,  
 "high": 0,  
 "morning": 0,  
 "day": 0,  
 "evening": 0,  
 "night": 0  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| low | number(double) | false | none | none |
| high | number(double) | false | none | none |
| morning | number(double) | false | none | none |
| day | number(double) | false | none | none |
| evening | number(double) | false | none | none |
| night | number(double) | false | none | none |

WeatherForecast

{  
 "summary": "string",  
 "description": "string",  
 "icon": "string"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| summary | string | false | none | none |
| description | string | false | none | none |
| icon | string | false | none | none |

DeviceRegistrationInfo

{  
 "uri": "http://10.0.0.220:8080",  
 "id": "0729a580-2240-11e6-9eb5-0002a5d5c51b"  
}

### Properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Restrictions | Description |
| uri | string(uri) | false | none | none |
| id | string(uuid) | false | none | none |