

BUILDING

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BUILDING

Create a Building

Retrieve a Building

Retrieve a Collection of Buildings

Update a Building

Delete a Building

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Create a Building

This method is used to create a building. This will create a draft building. Buildings may only be created on draft campuses.

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Method

POST

URL

<http://map-api.phunware.com/v1.1/buildings>

Headers

X-Auth (see [Security](#))

Request Body

Required parameters are underlined.

Parameter	Value	Description
<u>campusId</u>	integer	The identifier of the campus that the building belongs to.
<u>name</u>	string	The name of the building.

latitude	float	The latitude in decimal degrees. Present for backwards compatibility. In version 1.1 of the API, the latitude should be contained within a location field, as indicated below.
longitude	float	The longitude in decimal degrees. Present for backwards compatibility. In version 1.1 of the API, the longitude should be contained within a location field, as indicated below.
<u>streetAddress</u>	string	The street address of the building.
<u>venueGuid</u>	string	The identifier of the venue that the building belongs to.
location	object	An object containing the actual, physical location of the building. Possible values: <ul style="list-style-type: none"> • latitude (number): The latitude in decimal degrees. • longitude (number): The longitude in decimal degrees.

```
{
  "campusId": <integer>,
  "name": <string>,
  "latitude": <number>,
  "longitude": <number>,
  "streetAddress":
<string>,
  "venueGuid": <string>,
  "location":
  {
    "latitude":
<number>,
    "longitude":
<number>
  }
}
```

Example Request

POST the following request body to: <http://map-api.phunware.com/v1.1/buildings>

```
{
  "campusId": 1986,
  "name": "Hyrule Castle
Tower",
  "latitude": 30.25,
  "longitude": 97.75,
  "streetAddress": "123
Ocarina",
  "venueGuid": null,
  "location":
  {
    "latitude": 30.25,
    "longitude": 97.75
  }
}
```

Response

A successful response will have a 200 status code and a body containing the newly created building's ID:

```
{
  "data":
  {
    "id": <integer>
  }
}
```

See [Mapping API Response Handling](#) for error payloads.

Example Response

Example body of successful response:

```
{
  "data":
  {
    "id": 6891
  }
}
```

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Retrieve a Building

This method is used to retrieve a building by building ID. A building can be retrieved such that the response also contains information about the floors it contains. This is done by passing the parameter "deep":true. Passing "deep":false requests only data about the building itself. The default behavior is "deep":true.

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The latitude and longitude information is duplicated in the JSON payloads for backwards compatibility with v1.0. Using the "location" field for latitude and longitude values is preferred and takes precedence if there are any differences. Use of the previous latitude and longitude fields outside of a location object has been deprecated.

Method

GET

URL

[http://map-api.phunware.com/v1.1/buildings/\[id\]](http://map-api.phunware.com/v1.1/buildings/[id])

Headers

X-Auth (see [Security](#))

Query Parameters

Required parameters are underlined.

Parameter	Value	Description
<u>deep</u>	Boolean	Information about a building can be retrieved along with floor details by passing true. Passing false requests only data about the building itself. Default value: true
draftStatus	String	Either "LIVE" or "DRAFT". Defaults to "LIVE".

Example Query Fragment

Example with "deep" set to false:

```
{  
  "deep": false  
}
```

Example with "deep" set to true:

```
{  
  "deep": true  
}
```

URL-encoded, minified fragment for "deep" set to false:

```
7B%22deep%22%3Afalse%7D
```

URL-encoded, minified fragment for "deep" set to true:

```
%7B%0A%22deep%22%3A+true%0A%7D
```

Example Request

Example with "deep" set to false:

GET

```
http://map-api.phunware.com/v1  
.1/buildings/6891?7B%22deep%22%3Afalse%7D
```

Example with "deep" set to true:

GET

```
http://map-api.phunware.com/v1  
.1/buildings/6891?%7B%0A%22deep%22%3A+true%0A%7D
```

Response

If "deep" is set to false, a successful response will have a 200 status code and a body containing an object with building data that does not contain information about the floors of the building:

```

{
  "id": <integer>,
  "name": <string>,
  "campusId": <integer>,
  "latitude": <float>,
  "longitude": <float>,
  "streetAddress":
<string>,
  "createdAt": <string>,
  "updatedAt": <string>,
  "floors":
null"venueGuid": <string>,
  "location":
  {
    "latitude": <float>,
    "longitude": <float>
  },
  "externalId": <integer>
}

```

If "deep" is set to true, a successful response will have a 200 status code and a body containing an object with building data that contains information about its floors:

```

{
  "id": <integer>,
  "name": <string>,
  "campusId": <integer>,
  "latitude": <float>,
  "longitude": <float>,
  "streetAddress":
<string>,
  "createdAt": <string>,
  "updatedAt": <string>,
  "floors":
  [
    {
      "id": <integer>,
      "name":
<string>,
      "originalMapUrl": <string>,
      "buildingId":
<integer>,
      "level":
<integer>,
      "isOutdoor":
<Boolean>,
      "width":
<decimal>,
      "height":

```

```
<decimal>,
    "offsetX":
<integer>,
    "offsetY":
<integer>,

"locationMapHierarchy":
<string>,
    "createdAt":
<string>,
    "updatedAt":
<string>,
    "buildingId":
<integer>,
    "resources":
    [
        {
            "id":
<integer>,

"buildingId": <integer>,

"floorId": <integer>,

"pdfUrl": <string>,

"svgUrl": <string>,

"zoomLevel": <integer>,

"createdAt": <string>,

"updatedAt": <string>
        }
    ],
    "venueGuid":
<string>,
    "maxZoomLevel":
<int>,

"referencePoints":
{
    "rotation":
<decimal>,
    "topLeft":
    {
"latitude": <decimal>,

"longitude": <decimal>
    },
    "topRight":
    {
```



```
"latitude": <decimal>,
"longitude": <decimal>
    },
"bottomLeft":
    {
"latitude": <decimal>,
"longitude": <decimal>
    },
"bottomRight":
    {
"latitude": <decimal>,
"longitude": <decimal>
    },
    "portal":
    {
topRight":
    {
        "latitude": <decimal>,
        "longitude": <decimal>
    },
    "bottomLeft":
    {
        "latitude": <decimal>,
        "longitude": <decimal>
    }
    }
    }
    },
],
"venueGuid": <string>,
"location":
{
    "latitude": <float>,
    "longitude": <float>
```

```
    },  
    "externalId": <integer>  
  }  
}
```

See [Mapping API Response Handling](#) for error payloads.

Example Response

Example body of a successful response for "deep" set to false:

```
{  
  "id": 2,  
  "name": "Hyrule Castle  
Tower",  
  "campusId": 6891,  
  "latitude": 30.25,  
  "longitude": 97.75,  
  "streetAddress": "123  
Ocarina",  
  "createdAt":  
"2014-06-06T18:25:26Z",  
  "updatedAt":  
"2014-06-06T18:25:33Z",  
  "floors": null,  
  "venueGuid":  
"03521872-2845-4024-896d-5fa  
0ab555c12",  
  "location":  
  {  
    "latitude": 30.25,  
    "longitude": 97.75  
  },  
  "externalId": 2  
}
```

Example body of a successful response for "deep" set to true:

```
{  
  "id": 2,  
  "campusId": 6891,  
  "name": "Hyrule Castle  
Tower",  
  "latitude": 30.25,  
  "longitude": 97.75,  
  "streetAddress": "123  
Ocarina",  
  "createdAt":  
"2014-07-10T14:56:49Z",  
  "updatedAt":
```

```
"2014-07-10T14:56:49Z",
  "floors":
  [
    {
      "id": 17,
      "buildingId":
6891,
      "name": "Floor
1",
      "originalMapUrl": null,
      "isOutdoor":
false,
      "level": 1,
      "width": 300.0,
      "height": 150.0,
      "offsetX": 0,
      "offsetY": 0,

      "locationMapHierarchy":
"Hyrule>Hyrule Castle>Hyrule
Castle Tower>Floor 1",
      "resources":
      [
        {
          "id":
5453,

          "floorId": 4343,

          "pdfUrl":
"http://image.com/level1.pdf
",

          "svgUrl":
"http://image.com/level1.svg
",

          "zoomLevel": 0,

          "createdAt":
"2002-10-02T10:00:00Z",

          "updatedAt":
"2002-10-02T10:00:00Z"
        }
      ],
      "venueGuid":
"03521872-2845-4024-896d-5fa
0ab555c12",
      "maxZoomLevel":
1,
```

```
"referencePoints":
  {
    "rotation":
0.0,
    "topLeft":
  {
"latitude": 37.326617,
"longitude": -121.948756
  },
    "topRight":
  {
"latitude": 37.326617,
"longitude": -121.942209
  },
    "bottomLeft":
  {
"latitude": 37.324086,
"longitude": -121.948756
  },
    "bottomRight":
  {
"latitude": 37.324086,
"longitude": -121.942209
  },
    "portal":
  {
"topRight":
  {
"latitude": 37.326617,
"longitude": -121.942209
  },
    "bottomLeft":
  {
"latitude": 37.324086,
"longitude": -121.948756
  }
  }
  }
}
```

```
    }  
  },  
  "venueGuid":  
  "03521872-2845-4024-896d-5fa  
0ab555c12",  
  "location":  
  {  
    "latitude": 30.25,  
    "longitude": 97.75
```

```
} ,  
  "externalId": 2  
}
```

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Retrieve a Collection of Buildings

This method is used to retrieve an array of buildings that satisfy search criteria.

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Method

GET

URL

<http://map-api.phunware.com/v1.1/buildings>

Headers

X-Auth (see [Security](#))

Query Parameters

Required parameters are underlined.

Parameter	Value	Description
<u>campusId</u>	integer	The identifier of the campus.
name	string	The name of the building.
draftStatus	string	Either "LIVE" or "DRAFT". Defaults to "LIVE".

Example Query Fragment

```
{
  "campusId": 1986
}
```

URL-encoded, minified fragment:

```
%7B%22campusId%22%3A1986%7D
```

Example Request

GET

```
http://map-api.phunware.com/v1
.1/buildings?%7B%22campusId%22
%3A1986%7D
```

Response

A successful response will have a 200 status code and a body containing array of buildings that satisfy the query parameters:

```
"data":
{
  [
    {
      "id": <integer>,
      "campusId":
<integer>,
      "name":
<string>,
      "latitude":
<float>,
      "longitude":
<float>,
      "streetAddress":
<string>,
      "createdAt":
<string>,
      "updatedAt":
<string>,
      "floors":
<objectcontainingdataforanyf
```

```
loors>,
    <string>,
        {
            <float>,
            <float>
            "latitude":
            "longitude":
        },
        "externalId":
    <integer>
    },
    {
        "id": <integer>,
        "campusId":
    <integer>,
        "name":
    <string>,
        "latitude":
    <float>,
        "longitude":
    <float>,
        "streetAddress":
    <string>,
        "createdAt":
    <string>,
        "updatedAt":
    <string>,
        "floors": null,
        "venueGuid":
    <string>,
        "location":
        {
            "latitude":
    <float>,
            "longitude":
    <float>
        },
        "externalId":
    <integer>
    },
```



```
    ...
  ]
}
```

See [Mapping API Response Handling](#) for error payloads.

Example Response

Example body of a successful response:

```
{
  "data":
  [
    {
      "id": 5,
      "campusId":
      1986,
      "name": "Hyrule
      Castle Tower",
      "latitude":
      30.25,
      "longitude":
      97.75,
      "streetAddress":
      "123 Ocarina",
      "createdAt":
      "2014-06-06T18:25:26Z",
      "updatedAt":
      "2014-06-06T18:25:33Z",
      "floors": null,
      "venueGuid":
      "03521872-2845-4024-896d-5fa
      0ab555c12",
      "location":
      {
        "latitude":
        30.25,
        "longitude":
        97.75
      },
      "externalId": 5
    },
    {
      "id": 2,
      "campusId":
      1986,
      "name": "Hyrule
      Castle Graveyard",
      "latitude":
      31.25,
```

```
          "longitude":
98.75,
          "streetAddress":
"123 Spirit Tracks",
          "createdAt":
"2014-06-06T18:25:26Z",
          "updatedAt":
"2014-06-06T18:25:33Z",
          "floors": null,
          "venueGuid":
"03521872-2845-4024-896d-5fa
0ab555c12",
          "location":
    {
          "latitude":
31.25,
          "longitude":
98.75
    },
    "externalId": 2
```

```
}  
  ]  
}
```

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Update a Building

This method is used to update an existing building. Only draft buildings (i.e. buildings that belong to a draft campus) may be modified via this method.

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Method

PUT

URL

[http://map-api.phunware.com/v1.1/buildings/\[id\]](http://map-api.phunware.com/v1.1/buildings/[id])

Headers

X-Auth (see [Security](#))

Request Body

See [Mapping API Architecture > PUT Methods & Partial Updates](#).

Parameter	Value	Description
campusId	integer	The identifier of the campus to which this building belongs.
name	string	The name of the building.

latitude	float	The latitude of this building in decimal degrees. Present for backwards compatibility. In version 1.1 of the API, the latitude should be contained within a location field, as indicated below.
longitude	float	The longitude of this building in decimal degrees. Present for backwards compatibility. In version 1.1 of the API, the longitude should be contained within a location field, as indicated below.
streetAddress	string	The street address of this building.
venueGuid	string	The identifier of the venue to which this building belongs.
location	object	An object containing the actual, physical location of the building. Possible values: <ul style="list-style-type: none"> • latitude (number): The latitude of this building in decimal degrees. • longitude (number): The longitude of this building in decimal degrees.

```
{
  "campusId": <integer>,
  "streetAddress": <string>
}
```

Example Request

PUT the following request body to: <http://map-api.phunware.com/v1.1/buildings/6891>

```
{
  "campusId": 1987,
  "streetAddress": "123
Majora"
}
```

Response

A success response will return a 204 status code with no data in the body of the response. See [Mapping API Response Handling](#) for error payloads.

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Delete a Building

This method is used to delete a building. Only draft buildings (i.e. buildings that belong to a draft campus) may be modified via this method.

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Method

DELETE

URL

[http://map-api.phunware.com/v1.1/buildings/\[id\]](http://map-api.phunware.com/v1.1/buildings/[id])

Headers

X-Auth (see [Security](#))

Request Parameters

None

Example Request

DELETE
<code>http://map-api.phunware.com/v1 .1/buildings/6891</code>

Response

A success response will return a 204 status code with no data in the body of the response. See [Mapping API Response Handling](#) for error payloads.

A building is a physical structure that contains one or more floors.

```
{
  "id": <string>,
  "name": <string>,
  "campusId": <integer>,
  "latitude": <decimal>,
  "longitude": <decimal>,
  "streetAddress": <string>,
  "floors":
  [
    <floorobject1>,
    <floorobject2>,
    ...
  ],
  "location":
  {
    "latitude": <decimal>,
    "longitude": <decimal>
  }
}
```