Meshify API V3

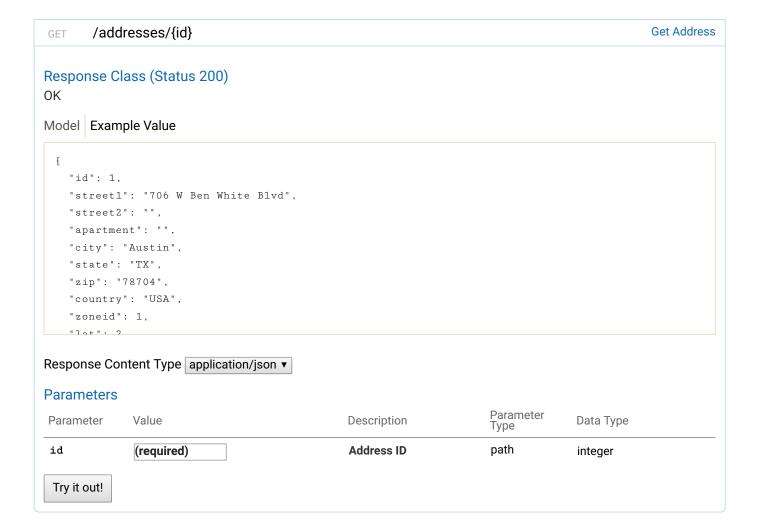
Last Edited on 1-27-2016.

Welcome to the Meshify API V3 documentation. If you would like to test out an endpoint:

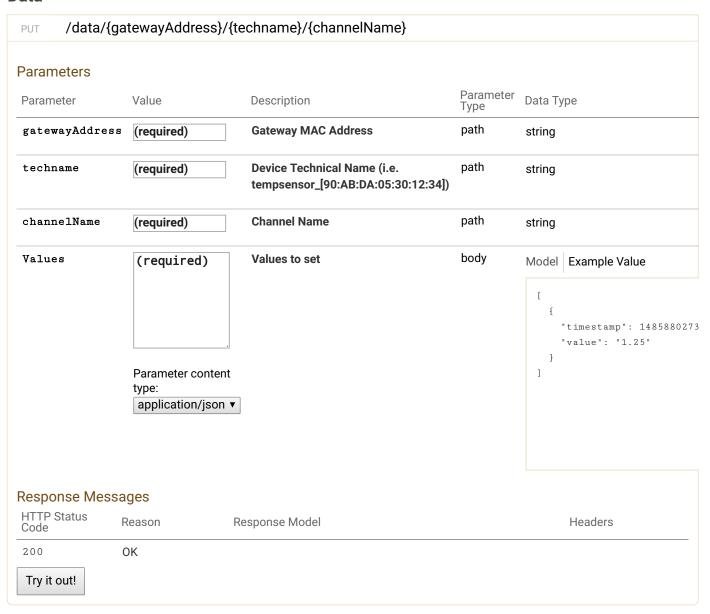
- enter your domain name in the box above
- enter your credentials above using the 'Authorize' button
- expand a request below using the 'Try it out!' button.

Addresses

```
List Addresses
       /addresses
GET
Response Class (Status 200)
OK
Model Example Value
 [
   {
     "id": 1,
     "street1": "706 W Ben White Blvd",
      "street2": "",
      "apartment": "",
      "city": "Austin",
      "state": "TX",
      "zip": "78704",
      "country": "USA",
      "goneid" · 1
Response Content Type application/json ▼
 Try it out!
```



Data



Devices

GET /devices/{id}

Get Device

Response Class (Status 200)

OK

```
Model Example Value
```

```
{
  "companyId": 1,
  "deviceTypeId": 1,
  "gatewayId": 1,
  "id": 1,
  "macAddress": "00:00:00:00:00:00:00",
  "techname": "tempsensor_[00:00:00:00:00:00]",
  "tenantId": 1,
  "vanityName": "Pool Temperature"
}
```

Response Content Type application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	Device ID	path	integer

Try it out!

PUT /devices/{id}/sets

Send Set to Device

Implementation Notes

Sends a set directly to a Device over MQTT. The Channels provided in the body must be Settable. This means that device.io is true.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	ID of the Device	path	integer
tries	(required)	Number of times to try to set to the device (between 1 and 10)	query	integer

Values to set body Model Example Value

Parameter content type: application/json ▼

Response Messages

HTTP Status Reason Response Model Headers

200

OK

Try it out!

/devices/{id}/values

Get Current Values for Device

Implementation Notes

Gets the current value of each Channel on the device.

Response Class (Status 200)

OK

GET

Model Example Value

```
{
   "channelName": {
      "timestamp": 1485880273,
      "value": "1.25"
   },
   "channelName2": {
      "timestamp": 1485880273,
      "value": "1.25"
   }
}
```

Response Content Type application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	ID of the Device	path	string

Try it out!

PUT /devices/{id}/values

Upload Values for Device

Implementation Notes

Sends values into the data processor for the specified Device and Channels. The Device must already exist. This is akin to "impersonating" the device (sending data for it).

If timestamp is not provided, the current server time will be used automatically.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	ID of the Device	path	string
Values	(required) Parameter content type: application/json ▼	Values to send	body	Model Example Value [

Response Messages

HTTP Status Code	Reason	Response Model	Headers
---------------------	--------	----------------	---------

GET /devices/{id}/values/{cid}

Get Channel History

Implementation Notes

Retrieves history for the specified Device and Channel based on the provided from and duration values.

Defaults to the last 24 hours of history.

Response Class (Status 200)

OK

Model Example Value

Response Content Type application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	ID of the Device	path	integer
cid	(required)	ID or Name of the Channel	path	string
from	(required)	From time in Unix Epoch seconds (defaults to 1 day ago)	query	integer
duration	(required)	Desired duration of history in seconds (defaults to 1 day, max 3 days)	query	integer
Try it out!				

Device Types

GET /devicetypes List Device Types

Response Class (Status 200)

OK

Model Example Value

```
"tenantId": 1,
    "vanityName": "Temperature Sensor"
}

Response Content Type application/json ▼

Try it out!
```

```
/devicetypes/{id}
                                                                                                Get Device Type
GET
Response Class (Status 200)
OK
Model Example Value
 f
    "CompanyId": 1,
   "id": 1,
   "imgUrl": "http://meshify.com/",
   "name": "tempsensor",
   "note": "",
   "tenantId": 1,
    "vanityName": "Temperature Sensor"
Response Content Type application/json ▼
Parameters
                                                                         Parameter
              Value
                                                 Description
Parameter
                                                                                       Data Type
                                                                         Type
id
              (required)
                                                 ID of the Device Type
                                                                         path
                                                                                       integer
 Try it out!
```

GET /devicetypes/{id}/channels List Channels

Response Class (Status 200)

OK

Model Example Value

Response Content Type application/json ▼

Parameters

Parameter Value Description Parameter Type Data Type

id (required) ID of the Device Type path integer

Try it out!

```
/devicetypes/{id}/channels
                                                                                                   Create Channel
POST
Response Class (Status 200)
OK
Model Example Value
    "channelType": 1,
    "dataType": 1,
    "defaultValue": "1.0",
    "deviceTypeId": 1,
    "fromMe": false,
    "helpExplanation": "",
    "id": 1,
    "io": false,
    "name": "temp",
Response Content Type application/json ▼
Parameters
                                                      Parameter
            Value
Parameter
                                      Description
                                                                 Data Type
            (required)
                                      ID of the
                                                      path
id
                                                                  integer
                                      Device Type
                                      Channel
                                                      body
Channel
             (required)
                                                                  Model Example Value
                                      Definition
                                                                      "channelType": 1,
                                                                      "dataType": 1,
                                                                      "defaultValue": "1.0",
                                                                      "deviceTypeId": 1,
            Parameter content type:
                                                                      "fromMe": false,
                                                                     "helpExplanation": "",
             application/json ▼
                                                                      "id": 1,
                                                                      "io": false,
                                                                      "name": "temp",
                                                                      "regex": "",
                                                                      "regexErrMsg": "",
 Try it out!
```

/devicetypes/{id}/channels/{cid} **Delete Channel Parameters** Parameter Parameter Value Description Data Type **ID** of the Device Type id (required) path integer **ID** of the Channel path cid(required) integer Response Messages **HTTP Status** Reason Headers Response Model Code 200 OK Try it out!

Response Class (Status 200) 0K Model Example Value "channelType": 1, "dataType": 1, "defaultValue": "1.0", "deviceTypeId": 1, "fromMe": false, "helpExplanation": "", "id": 1, "io": false, "name": "temp", Response Content Type application/json ▼ **Parameters** Parameter Parameter Value Description Data Type Type path id (required) **ID** of the Device Type integer cid(required) **ID** of the Channel path integer Try it out!

Channels

```
List Channels
       /devicetypes/{id}/channels
Response Class (Status 200)
OK
Model Example Value
   {
      "channelType": 1,
      "dataType": 1,
      "defaultValue": "1.0",
      "deviceTypeId": 1,
      "fromMe": false,
      "helpExplanation": "",
      "id": 1,
      "io": false,
Response Content Type application/json ▼
Parameters
                                                                        Parameter
Parameter
              Value
                                                 Description
                                                                                      Data Type
id
              (required)
                                                 ID of the Device Type
                                                                        path
                                                                                      integer
 Try it out!
```

POST /devicetypes/{id}/channels

Create Channel

```
OK
Model Example Value
    "channelType": 1,
   "dataType": 1,
   "defaultValue": "1.0",
   "deviceTypeId": 1,
    "fromMe": false,
   "helpExplanation": "",
    "id": 1,
    "io": false,
    "name": "temp",
Response Content Type application/json ▼
Parameters
                                                     Parameter
Parameter
            Value
                                     Description
                                                                Data Type
                                                     Type
                                                     path
                                     ID of the
id
            (required)
                                                                integer
                                     Device Type
Channel
                                     Channel
                                                     body
             (required)
                                                                Model Example Value
                                     Definition
                                                                    "channelType": 1,
                                                                    "dataType": 1,
                                                                    "defaultValue": "1.0",
                                                                    "deviceTypeId": 1,
            Parameter content type:
                                                                    "helpExplanation": "",
            application/json ▼
                                                                    "id": 1,
                                                                    "io": false,
                                                                    "name": "temp",
                                                                    "regex": "",
                                                                    "regexErrMsg": "",
 Try it out!
```



Response Class (Status 200)
OK
Model Example Value

```
"channelType": 1,
    "dataType": 1,
    "defaultValue": "1.0",
    "deviceTypeId": 1,
    "fromMe": false,
   "helpExplanation": "",
    "id": 1,
    "io": false,
    "name": "temp",
Response Content Type application/json ▼
Parameters
                                                                          Parameter
Parameter
              Value
                                                  Description
                                                                                         Data Type
                                                                          path
id
               (required)
                                                   ID of the Device Type
                                                                                         integer
                                                   ID of the Channel
cid
                                                                          path
               (required)
                                                                                         integer
 Try it out!
```

Gateways

```
/gateways
                                                                                              List Gateways
GET
Response Class (Status 200)
OK
Model Example Value
   {
      "addressId": 1,
      "companyId": 1,
      "diaVersion": "1.0",
      "gatewayConfigurationId": 1,
      "gatewayTypeId": 1,
      "id": 1,
      "macAddress": "000000000000",
      "name": "Back Yard",
      "nanTd" · "1 0"
Response Content Type application/json ▼
 Try it out!
```

```
Response Class (Status 200)
OK

Model Example Value

{
    "addressId*: 1,
    "companyId*: 1,
    "diaVersion*: "1.0",
    "gatewayConfigurationId*: 1,
    "gatewayTypeId*: 1,
    "id*: 1,
    "id*: 1,
    "macAddress*: "000000000000",
```

```
"name": "Back Yard",
    "panId": "1.0",
Response Content Type application/json ▼
Parameters
                                                                            Parameter
               Value
                                                    Description
                                                                                           Data Type
Parameter
                                                                             Type
 id
               (required)
                                                    ID of the Gateway
                                                                            path
                                                                                           integer
 Try it out!
```

Inventory Gateways

```
/inventory
                                                                                       List Inventory Gateways
Response Class (Status 200)
OK
Model Example Value
   {
      "companyId": 1,
     "diaVersion": "1.0",
      "gatewayConfigurationId": 1,
      "gatewayTypeId": 1,
      "id": 1,
      "macAddress": "000000000000",
      "panId": "1.0",
      "tenantId": 1,
      "ucorTd" · 1
Response Content Type application/json ▼
 Try it out!
```

POST /inventory Create Inventory Gateway

Response Class (Status 200)

OK

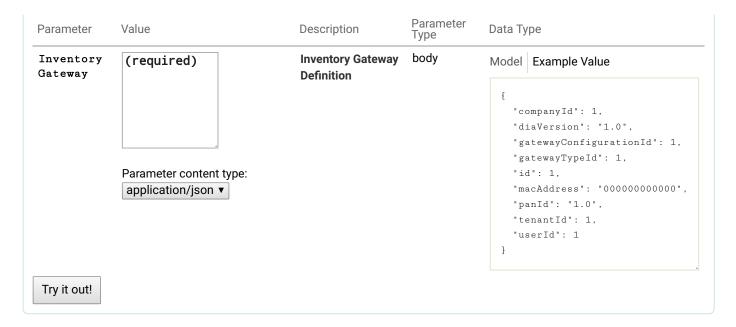
Model Example Value

```
"companyId": 1,
  "diaVersion": "1.0",
  "gatewayConfigurationId": 1,
  "gatewayTypeId": 1,
  "id": 1,
  "macAddress": "00000000000",
  "panId": "1.0",
  "tenantId": 1,
  "userId": 1
```

Response Content Type application/json ▼

Parameters

Parameter Value Description Parameter Type Data Type



```
/inventory/{id}
                                                                                                Delete Inventory Gateway
DELETE
Parameters
                                                                                Parameter
                Value
 Parameter
                                                       Description
                                                                                               Data Type
                                                                                Type
                                                       ID of the Inventory
 id
                 (required)
                                                                                path
                                                                                                string
                                                       Gateway
 Response Messages
 HTTP Status
Code
                                                                                                   Headers
                   Reason
                                       Response Model
 200
                   OK
  Try it out!
```

```
Get Inventory Gateway
        /inventory/{id}
GET
Response Class (Status 200)
OK
Model Example Value
    "companyId": 1,
    "diaVersion": "1.0",
    "gatewayConfigurationId": 1,
    "gatewayTypeId": 1,
    "id": 1,
    "macAddress": "000000000000",
    "panId": "1.0",
    "tenantId": 1,
    "userId": 1
Response Content Type application/json ▼
Parameters
                                                                          Parameter
Parameter
              Value
                                                  Description
                                                                                        Data Type
                                                                          Туре
id
               (required)
                                                  ID of the Inventory
                                                                          path
                                                                                        string
                                                  Gateway
 Try it out!
```

Users

```
Get Users
GET
       /users/
Response Class (Status 200)
Model Example Value
     "addressId": 1,
     "agreementId": 0,
     "companyId": 1,
     "email": "support@meshify.com",
     "first": "Meshify",
     "id": 1,
     "last": "User",
     "phone": "555-0100",
     "nhone?". ""
Response Content Type application/json ▼
 Try it out!
```

```
GET
       /users/me
                                                                                         Get Logged-In User
Response Class (Status 200)
Model Example Value
   "addressId": 1,
   "agreementId": 0,
   "companyId": 1,
   "email": "support@meshify.com",
   "first": "Meshify",
   "id": 1,
   "last": "User",
   "phone": "555-0100",
   "phone2": "",
   "roloTd". E
Response Content Type application/json ▼
 Try it out!
```

[BASE URL: /api/v3, API VERSION: 3.0]

ERROR {--}