

# Meshify API V3

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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

GET

/addresses

List Addresses

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",
    "zoneid": 1
  }
]
```

Response Content Type

application/json ▼

Try it out!

GET

/addresses/{id}

Get Address

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",
  "zoneid": 1,
  "lat": 2
}
```

Response Content Type

application/json ▼

Parameters

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

Try it out!

Data

PUT

/data/{gatewayAddress}/{techname}/{channelName}

List Devices

Parameters

Parameter	Value	Description	Parameter Type	Data Type
gatewayAddress	<input type="text" value="(required)"/>	Gateway MAC Address	path	string
techname	<input type="text" value="(required)"/>	Device Technical Name (i.e. tempsensor_[90:AB:DA:05:30:12:34])	path	string
channelName	<input type="text" value="(required)"/>	Channel Name	path	string

Values

Parameter content type:  

application/json ▼

Values to set

body

Model

Example Value

```
[
  {
    "timestamp": 1485880273
    "value": "1.25"
  }
]
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

Devices

GET

/devices

List Devices

Response Class (Status 200)

OK

Model

Example Value

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

Response Content Type

application/json ▼

Try it out!

GET

/devices/{id}

Get Device

Response Class (Status 200)

OK

Model | Example Value

```
{
  "companyId": 1,
  "deviceId": 1,
  "gatewayId": 1,
  "id": 1,
  "macAddress": "00:00:00:00:00:00:00:00",
  "techname": "tempsensor_[00:00:00:00:00:00:00:00]",
  "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	Values to set	body	Model   Example Value
<div>(required)</div> <div>Parameter content type: application/json ▼</div>			<pre>[   {     "name": "status",     "timestamp": 1485880273,     "value": "On"   } ]</pre>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

GET

/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

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	<div>(required)</div>	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	<div>(required)</div>	ID of the Device	path	string

Values		Values to send	body	Model	Example Value
	<div>(required)</div>				

Parameter content type:  
application/json ▼

```
[
  {
    "name": "status",
    "timestamp": 1485880273,
    "value": "On"
  }
]
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

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

```
[
  {
    "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	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

```
[
  {
    "CompanyId": 1,
    "id": 1,
    "imgUrl": "http://meshify.com/",
    "name": "tempsensor",
    "note": "",
  }
]
```

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

Response Content Type 

application/json ▼

Try it out!

GET /devicetypes/{id} Get Device Type

Response Class (Status 200)

OK

Model | Example Value

```
{
  "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 Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer

Try it out!

GET /devicetypes/{id}/channels List Channels

Response Class (Status 200)

OK

Model | Example Value

```
[
  {
    "channelType": 1,
    "dataType": 1,
    "defaultValue": "1.0",
    "deviceId": 1,
    "fromMe": false,
    "helpExplanation": "",
    "id": 1,
    "io": false,
    "name": "temp"
```

Response Content Type 

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer

Try it out!

POST

/devicetypes/{id}/channels

Create Channel

Response Class (Status 200)

OK

Model

Example Value

```
{
  "channelType": 1,
  "dataType": 1,
  "defaultValue": "1.0",
  "deviceId": 1,
  "fromMe": false,
  "helpExplanation": "",
  "id": 1,
  "io": false,
  "name": "temp",
  "regex": ""
}
```

Response Content Type

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer

Channel

(required)

Channel Definition

body

Model

Example Value

```
{
  "channelType": 1,
  "dataType": 1,
  "defaultValue": "1.0",
  "deviceId": 1,
  "fromMe": false,
  "helpExplanation": "",
  "id": 1,
  "io": false,
  "name": "temp",
  "regex": "",
  "regexErrMsg": ""
}
```

Parameter content type:

application/json ▼

Try it out!

DELETE

/devicetypes/{id}/channels/{cid}

Delete Channel

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer
cid	<div>(required)</div>	ID of the Channel	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

GET

/devicetypes/{id}/channels/{cid}

Get Channel

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",
  "regex": ""
```

Response Content Type application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text" value="(required)"/>	ID of the Device Type	path	integer
cid	<input type="text" value="(required)"/>	ID of the Channel	path	integer

Try it out!

Channels

GET /devicetypes/{id}/channels [List 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,
    "name": "temp"
```

Response Content Type application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text" value="(required)"/>	ID of the Device Type	path	integer

Try it out!

POST /devicetypes/{id}/channels [Create Channel](#)

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",
  "regex": ""
```

Response Content Type 

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer

Channel

(required)

Channel Definition

body

Model	Example Value
	<pre>{   "channelType": 1,   "dataType": 1,   "defaultValue": "1.0",   "deviceTypeId": 1,   "fromMe": false,   "helpExplanation": "",   "id": 1,   "io": false,   "name": "temp",   "regex": "",   "regexErrMsg": "",</pre>

Parameter content type:

application/json ▼

Try it out!

DELETE /devicetypes/{id}/channels/{cid} Delete Channel

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer
cid	<div>(required)</div>	ID of the Channel	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

GET /devicetypes/{id}/channels/{cid} Get Channel

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",
  "regex": ""
}
```

Response Content Type 

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div>(required)</div>	ID of the Device Type	path	integer
cid	<div>(required)</div>	ID of the Channel	path	integer

Try it out!

Gateways

GET

/gateways

List Gateways

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",
    "portId": "1.0"
  }
]
```

Response Content Type 

application/json ▼

Try it out!

GET

/gateways/{id}

Get Gateway

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",

"panId": "1.0",

Response Content Type

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(required)	ID of the Gateway	path	integer

Try it out!

Inventory Gateways

GET

/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,  
 "userId": 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": "000000000000",  
 "panId": "1.0",  
 "tenantId": 1,  
 "userId": 1

Response Content Type

application/json ▼

Parameters

Parameter	Value	Description	Parameter Type	Data Type
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Parameter	Value	Description	Parameter Type	Data Type
Inventory Gateway	(required)	Inventory Gateway Definition	body	Model
				Example Value
				<pre>{   "companyId": 1,   "diaVersion": "1.0",   "gatewayConfigurationId": 1,   "gatewayTypeId": 1,   "id": 1,   "macAddress": "000000000000",   "panId": "1.0",   "tenantId": 1,   "userId": 1 }</pre>
Parameter content type: application/json ▼				
Try it out!				

DELETE /inventory/{id} Delete Inventory Gateway

Parameters

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

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		

Try it out!

GET /inventory/{id} Get Inventory Gateway

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

Try it out!

Users

GET

/users/

Get Users

Response Class (Status 200)

OK

Model

Example Value

```
[
  {
    "addressId": 1,
    "agreementId": 0,
    "companyId": 1,
    "email": "support@meshify.com",
    "first": "Meshify",
    "id": 1,
    "last": "User",
    "phone": "555-0100",
    "phone2": ""
  }
]
```

Response Content Type

application/json ▼

Try it out!

GET

/users/me

Get Logged-In User

Response Class (Status 200)

OK

Model

Example Value

```
{
  "addressId": 1,
  "agreementId": 0,
  "companyId": 1,
  "email": "support@meshify.com",
  "first": "Meshify",
  "id": 1,
  "last": "User",
  "phone": "555-0100",
  "phone2": "",
  "roleId": 5
}
```

Response Content Type

application/json ▼

Try it out!