

# Api Documentation

Api Documentation

[Apache 2.0](#)

## basic-error-controller : Basic Error Controller

DELETE

/error

errorHtml

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

text/html

Response Messages

HTTP Status Code	Reason	Response Model	Headers
204	No Content		
401	Unauthorized		
403	Forbidden		

Try it out!

GET

/error

errorHtml

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
204	No Content		
401	Unauthorized		
403	Forbidden		

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
204	No Content		
401	Unauthorized		
403	Forbidden		

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

Response Messages

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

Code

204	No Content
401	Unauthorized
403	Forbidden

Try it out!

POST /error

errorHtml

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

PUT /error

errorHtml

Response Class (Status 200)

OK

Example Value

```
{
  "empty": true,
  "model": {},
  "modelMap": {},
  "reference": true,
  "status": "100",
  "view": {
    "contentType": "string"
  },
  "viewName": "string"
}
```

Response Content Type

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

## coordinate-resource : Coordinate Resource

GET /coordinate

[getAllCoordinates](#)

### Response Class (Status 200)

OK

Example Value

```
[
  {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		

403	Forbidden
404	Not Found

Try it out!

POST /coordinate insertDevice

Parameters

Parameter	Value	Description	Parameter Type	Data Type
coordinate	<div><div></div><div>Parameter content type: application/json</div></div>	coordinate	body	<div>Example Value</div> <div><pre>{   "id": 0,   "latitude": 0,   "longitude": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /coordinate/check/{latitude}/{longitude} getCoordinate

Response Class (Status 200)

boolean

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
latitude	<div></div>	latitude	path	double
longitude	<div></div>	longitude	path	double

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /coordinate/lat/{lat}

getCoordinatesByLatitude

Response Class (Status 200)

OK

Example Value

```
[
  {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
latitude	<input type="text"/>	latitude	query	double

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /coordinate/long/{long}

getCoordinatesByLongitude

Response Class (Status 200)

OK

Example Value

```
[
  {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
longitude	<input type="text"/>	longitude	query	double

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /coordinate/unique/{sensorID} [getUniqueCoordinateFromSamples](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type



Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorID	<input type="text"/>	sensorID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

DELETE

/coordinate/{id}

deleteDevice

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
204	No Content		
401	Unauthorized		
403	Forbidden		

Try it out!

GET

/coordinate/{id}

getCoordinate

Response Class (Status 200)

OK

Example Value

```
{
  "id": 0,
  "latitude": 0,
  "longitude": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

device-resource : Device Resource

GET /device [getAllDevices](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "created_at": "2023-11-07T03:03:32.810Z",
    "id": 0,
    "name": "string",
    "portable": true
  }
]
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST /device insertDevice

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceDTO	<div><div></div><div>Parameter content type: application/json</div></div>	deviceDTO	body	<div>Example Value</div> <div><pre>{  "latitude": 0,  "longitude": 0,  "name": "string",  "tracking": "string",  "userID": 0}</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /device/active/{deviceid} isDeviceActive

Response Class (Status 200)

boolean

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

deviceid	deviceid	path	integer
----------	----------	------	---------

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
<div>Try it out!</div>			

GET	/device/coordid/{coordid}	getByCoordinateSample
-----	---------------------------	-----------------------

## Response Class (Status 200)

OK

Example Value

[ { "coordinate": { "id": 0, "latitude": 0, "longitude": 0 }, "created_at": "2023-11-07T03:03:32.813Z", "id": 0, "name": "string", "portable": true }, ]
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Response Content Type \*/\*

## Parameters

Parameter	Value	Description	Parameter Type	Data Type
coordid		coordid	path	integer

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
<div>Try it out!</div>			

GET	/device/coordinate/{id}	getByCoordinate
-----	-------------------------	-----------------

Response Class (Status 200)

OK

Example Value

```
[
  {
    "latitude": 0,
    "longitude": 0,
    "name": "string",
    "tracking": "string",
    "userID": 0
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /device/name/{name} [getDeviceByUser](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "latitude": 0,
    "longitude": 0,
    "name": "string",
    "tracking": "string",
    "userID": 0
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
name	<input type="text"/>	name	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /device/nonportables getNonPortableDevice

Response Class (Status 200)

OK

Example Value

```
[
  {
    "latitude": 0,
    "longitude": 0,
    "name": "string",
    "tracking": "string",
    "userID": 0
  }
]
```

Response Content Type \*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /device/page buscarPagina

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "latitude": 0,
      "longitude": 0,
      "name": "string",
      "tracking": "string",
      "userID": 0
    }
  ],
  "first": true
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
page	<input type="text"/>	page	query	integer
linesPerPage	<input type="text" value="10"/>	linesPerPage	query	integer
orderBy	<input type="text" value="id"/>	orderBy	query	string
direction	<input type="text" value="ASC"/>	direction	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /device/portables

getPortableDevice

Response Class (Status 200)

OK

Example Value

```
[
  {
    "latitude": 0,
    "longitude": 0,
    "name": "string",
    "tracking": "string",
    "userID": 0
  }
]
```

Response Content Type 

\*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/device/user/{id}

getDeviceByUser

Response Class (Status 200)

OK

Example Value

```
[
  {
    "latitude": 0,
    "longitude": 0,
    "name": "string",
    "tracking": "string",
    "userID": 0
  }
]
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

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



401	Unauthorized
403	Forbidden
404	Not Found

Try it out!

DELETE

/device/{id}

deleteDevice

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
204	No Content		
401	Unauthorized		
403	Forbidden		

Try it out!

GET /device/{id} [getDevice](#)

Response Class (Status 200)

OK

Example Value

```
{  "latitude": 0,  "longitude": 0,  "name": "string",  "tracking": "string",  "userID": 0}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

PUT

/device/{id}

updateDevice

Parameters

Parameter	Value	Description	Parameter Type	Data Type
device	<div><div>Parameter content type: application/json</div></div>	device	body	<div>Example Value</div> <div><pre>{   "coordinate": {     "id": 0,     "latitude": 0,     "longitude": 0   },   "created_at": "2023-11-07T03:03:32.822Z",   "id": 0,   "name": "string",   "portable": true,   "tracking_id": "string" }</pre></div>
id	<div></div>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

pollutant-resource : Pollutant Resource

GET

/pollutant

getAll

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type \*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST /pollutant addPollutant

Parameters

Parameter	Value	Description	Parameter Type	Data Type
pollutantDTO	<div><div></div><div>Parameter content type: <span>application/json</span></div></div>	pollutantDTO	body	<div>Example Value</div> <div><pre>{   "max": 0,   "name": "string",   "unitId": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		

401	Unauthorized
403	Forbidden
404	Not Found

Try it out!

GET /pollutant/name/{name} getPollutantByUnit

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
name	<input type="text"/>	name	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /pollutant/sensor/{sensorID} getPollutantBySensor

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorID	<input type="text"/>	sensorID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /pollutant/unit/{id}

[getPollutantByUnit](#)

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

id

id

path

integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

DELETE/pollutant/{id}deletePollutant

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id		id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
204	No Content		
401	Unauthorized		
403	Forbidden		

Try it out!

GET/pollutant/{id}getPollutant

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div></div>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

PUT

/pollutant/{id}

updatePollutant

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
pollutant	<div></div>	pollutant	body	Example Value

Parameter content type:  

application/json

```
{
  "id": 0,
  "max": 0,
  "name": "string",
  "unit": {
    "id": 0,
    "name": "string",
    "type": {
      "id": 0,
      "name": "string"
    }
  }
},
```

**id**  **id** path integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

sample-resource : Sample Resource

GET /sample [getAll](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": 0,
    "device": "string",
    "id": 0,
    "measuring": 0
  }
]
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		



403	Forbidden
404	Not Found

Try it out!

POST /sample Adds a sample

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sampleDTO	<div><div></div><div>Parameter content type: application/json</div></div>	sampleDTO	body	<div>Example Value</div> <div><pre>{   "latitude": 0,   "longitude": 0,   "measuring": 0,   "sensorid": 0,   "timestamp": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /sample/boxplot/ getBoxPlotValues

Response Class (Status 200)

OK

Example Value

```
[
  {
    "group": "string",
    "values": [
      0
    ]
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorID	<input type="text"/>	sensorID	query	integer
group	<input type="text"/>	group	query	string
start	<input type="text"/>	start	query	string
end	<input type="text"/>	end	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sample/coord/{id}

getSamplesByCoordinate

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": 0,
    "device": "string",
    "id": 0,
    "measuring": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET /sample/device/active/{deviceId} [checkActiveDevice](#)

Response Class (Status 200)

boolean

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceId	<input type="text"/>	deviceId	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": "2023-11-07T03:03:32.834Z",
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceId	<input type="text"/>	deviceId	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "date": "2023-11-07T03:03:32.835Z",
      "id": 0,
      "latitude": 0,
      "longitude": 0
    }
  ]
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceID	<input type="text"/>	deviceID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET

/sample/device/pollutant/{deviceID}/{pollutantID}

[getLastSampleViaPollutant](#)

Response Class (Status 200)

OK

Example Value

```
{
  "coordinate": {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  },
  "date": "2023-11-07T03:03:32.836Z",
  "id": 0,
  "latitude": 0,
  "longitude": 0,
  "measuring": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

deviceID	<input type="text"/>	deviceID	path	integer
pollutantID	<input type="text"/>	pollutantID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sample/device/{deviceID}

getSamplesViaDevice

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": 0,
    "device": "string",
    "id": 0,
    "measuring": 0
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceID	<input type="text"/>	deviceID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceId	<input type="text"/>	deviceId	path	integer
pollutantID	<input type="text"/>	pollutantID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "date": "2023-11-07T03:03:32.840Z",
      "id": 0,
      "latitude": 0
    }
  ]
}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceID	<input type="text"/>	deviceID	query	integer
page	<input type="text"/>	page	query	integer
linesPerPage	<input type="text" value="5"/>	linesPerPage	query	integer
orderBy	<input type="text" value="data"/>	orderBy	query	string
direction	<input type="text" value="DESC"/>	direction	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sample/range/

getPollutantDates

Response Class (Status 200)

OK

Example Value



```
{
  "content": [
    {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "date": "2023-11-07T03:03:32.842Z",
      "id": 0,
      "latitude": 0
    }
  ]
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
deviceID	<input type="text"/>	deviceId	query	integer
pollutantID	<input type="text"/>	pollutantId	query	integer
startDate	<input type="text"/>	startDate	query	string
endDate	<input type="text"/>	endDate	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET

/sample/sensor/all/{id}

getAllSamplesBySensor

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": "2023-11-07T03:03:32.844Z",
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET

/sample/sensor/last/{sensorID}

getLastSampleViaSensor

Response Class (Status 200)

OK

Example Value

```
{
  "coordinate": {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  },
  "date": "2023-11-07T03:03:32.845Z",
  "id": 0,
  "latitude": 0,
  "longitude": 0,
  "measuring": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

sensorID

sensorID

path

integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET/sample/sensor/range/

getSensorDates

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "date": "2023-11-07T03:03:32.846Z",
      "id": 0,
      "latitude": 0
    }
  ]
}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorID		sensorID	query	integer
startDate		startDate	query	string
endDate		endDate	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "date": "2023-11-07T03:03:32.847Z",
      "id": 0,
      "latitude": 0
    }
  ]
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": 0,
    "device": "string",
    "id": 0,
    "measuring": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorID	<input type="text"/>	sensorID	path	integer
deviceID	<input type="text"/>	deviceID	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET /sample/{deviceID}/{pollutantID} [getSamplesViaDevicePollutant](#)

Response Class (Status 200)

OK

Example Value

```
[
  {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "date": "2023-11-07T03:03:32.849Z",
    "id": 0,
    "latitude": 0,
    "longitude": 0
  }
]
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
<b>deviceId</b>	<input type="text"/>	<b>deviceId</b>	path	integer
<b>pollutantID</b>	<input type="text"/>	<b>pollutantID</b>	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sample/{id}

getSample

Response Class (Status 200)

OK

Example Value

```
{
  "coordinate": {
    "id": 0,
    "latitude": 0,
    "longitude": 0
  },
  "date": "2023-11-07T03:03:32.851Z",
  "id": 0,
  "latitude": 0,
  "longitude": 0,
  "measuring": 0
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
<b>id</b>	<input type="text"/>	<b>id</b>	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

sensor-resource : Sensor Resource

GET

/sensor

getAllSensors

Response Class (Status 200)

OK

Example Value

```
[
  {
    "brand": "string",
    "created_at": "2023-11-07T03:03:32.852Z",
    "device": {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "created_at": "2023-11-07T03:03:32.852Z"
    }
  }
]
```

Response Content Type

\*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST

/sensor

addSensor

Response Class (Status 200)

OK

Example Value

```
{
  "brand": "string",
  "created_at": "2023-11-07T03:03:32.853Z",
  "device": {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "created_at": "2023-11-07T03:03:32.853Z",
    "id": 0
  }
}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
sensorDTO	<div><div></div><div>Parameter content type: <span>application/json</span></div></div>	sensorDTO	body	<div>Example Value</div> <div><pre>{   "brand": "string",   "deviceId": 0,   "model": "string",   "name": "string",   "pollutantId": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /sensor/brand/{brand} getSensorsByBrand

Response Class (Status 200)

OK

<div>Example Value</div> <div><pre>[   {     "brand": "string",     "created_at": "2023-11-07T03:03:32.854Z",     "device": {       "coordinate": {         "id": 0,         "latitude": 0,         "longitude": 0       },       "created_at": "2023-11-07T03:03:32.854Z"     }   } ]</pre></div>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------



brand		brand	path	string
-------	--	-------	------	--------

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
<div>Try it out!</div>			

GET	/sensor/device/{id}	getSensorsByDevice
-----	---------------------	--------------------

## Response Class (Status 200)

OK

Example Value

<pre>[   {     "brand": "string",     "created_at": "2023-11-07T03:03:32.855Z",     "device": {       "coordinate": {         "id": 0,         "latitude": 0,         "longitude": 0       },       "created_at": "2023-11-07T03:03:32.855Z"</pre>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Response Content Type \*/\*

## Parameters

Parameter	Value	Description	Parameter Type	Data Type
id		id	path	integer

## Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
<div>Try it out!</div>			

GET	/sensor/model/{model}	getSensorsByModel
-----	-----------------------	-------------------

Response Class (Status 200)

OK

Example Value

```
[
  {
    "brand": "string",
    "created_at": "2023-11-07T03:03:32.856Z",
    "device": {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "created_at": "2023-11-07T03:03:32.856Z"
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
model	<input type="text"/>	model	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sensor/pollutant/{id}

getSensorsByPollutant

Response Class (Status 200)

OK

Example Value

```
[
  {
    "brand": "string",
    "created_at": "2023-11-07T03:03:32.856Z",
    "device": {
      "coordinate": {
        "id": 0,
        "latitude": 0,
        "longitude": 0
      },
      "created_at": "2023-11-07T03:03:32.856Z"
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div></div>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/sensor/{id}

getSensorsById

Response Class (Status 200)

OK

Example Value

```
{
  "brand": "string",
  "created_at": "2023-11-07T03:03:32.857Z",
  "device": {
    "coordinate": {
      "id": 0,
      "latitude": 0,
      "longitude": 0
    },
    "created_at": "2023-11-07T03:03:32.857Z",
    "id": 0
  }
}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<div></div>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

type-resources : Type Resources

GET

/type

getAllTypes

Response Class (Status 200)

OK

Example Value

```
[
  {
    "id": 0,
    "name": "string"
  }
]
```

Response Content Type

\*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST

/type

insert

Parameters

Parameter	Value	Description	Parameter Type	Data Type
type	<div><div>required</div></div>	type	body	<div><div>string</div><div>Example Value</div></div>

Parameter content type:

application/json

```
{
  "id": 0,
  "name": "string"
}
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/type/name/{name}

getByName

Response Class (Status 200)

OK

Example Value

```
{
  "id": 0,
  "name": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
name	<input type="text"/>	name	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		
<div>Try it out!</div>			

GET

/type/{id}

getById

Response Class (Status 200)

OK

Example Value

```
{  "id": 0,  "name": "string"}
```

Response Content Type

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

unit-resources : Unit Resources

GET	/unit	getAllUnits
<div>Response Class (Status 200)</div> <div>OK</div>		

Example Value

```
[
  {
    "id": 0,
    "name": "string",
    "type": {
      "id": 0,
      "name": "string"
    }
  }
]
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST /unit insert

Parameters

Parameter	Value	Description	Parameter Type	Data Type
unitDTO	<div><div>Request body</div><div>Parameter content type: <input type="text" value="application/json"/></div></div>	unitDTO	body	<div>Example Value</div> <div><pre>{   "name": "string",   "typeId": 0 }</pre></div>

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		

403	Forbidden
404	Not Found

Try it out!

GET

/unit/name/{name}

getByName

Response Class (Status 200)

OK

Example Value

```
{
  "id": 0,
  "name": "string",
  "type": {
    "id": 0,
    "name": "string"
  }
}
```

Response Content Type 

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
name	<input type="text"/>	name	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/unit/type/{typeid}

getByType

Response Class (Status 200)

OK

Example Value



```
[
  {
    "id": 0,
    "name": "string",
    "type": {
      "id": 0,
      "name": "string"
    }
  }
]
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
typeid	<input type="text"/>	typeid	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

[Try it out!](#)

GET /unit/{id}

getUnit

Response Class (Status 200)

OK

Example Value

```
{
  "id": 0,
  "name": "string",
  "type": {
    "id": 0,
    "name": "string"
  }
}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

id

id

path

integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

user-resource : User Resource

GET /user getUsers

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type \*/\*

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

POST /user insertUser

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

user

user

body

Example Value

Parameter content type:

application/json

```
{
  "created_at": "2023-11-07T03:03:32.868Z",
  "email": "string",
  "id": 0,
  "name": "string",
  "password": "string",
  "surname": "string"
}
```

Response Messages

HTTP Status Code	Reason	Response Model	Headers
200	OK		
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET

/user/page

getPage

Response Class (Status 200)

OK

Example Value

```
{
  "content": [
    {
      "email": "string",
      "name": "string",
      "password": "string",
      "surname": "string"
    }
  ],
  "first": true,
  "last": true
}
```

Response Content Type

\*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
page	<div></div>	page	query	integer

linesPerPage	<input type="text" value="24"/>	linesPerPage	query	integer
orderBy	<input type="text" value="name"/>	orderBy	query	string
direction	<input type="text" value="ASC"/>	direction	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

GET /user/{id} [getUser](#)

Response Class (Status 200)  
OK

Example Value

```
{}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	<input type="text"/>	id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!

Response Class (Status 200)

OK

Example Value

```
{}
```

Response Content Type \*/\*

Parameters

Parameter	Value	Description	Parameter Type	Data Type
user	<div><div></div><div>Parameter content type: application/json</div></div>	user	body	Example Value
				<pre>{  "created_at": "2023-11-07T03:03:32.870Z",  "email": "string",  "id": 0,  "name": "string",  "password": "string",  "surname": "string"}</pre>
id		id	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
201	Created		
401	Unauthorized		
403	Forbidden		
404	Not Found		

Try it out!