pissir-mosquito

Progetto d'esame: laboratorio di PISSIR (2021/2022) - Microservizio per mosquito
Version: 1.0.0

Methods

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Actuator

DELETE /v1/mosquito/actuator/   Up

Remove an actuator topic (**v1MosquitoActuatorDelete**)

Only admin and farmer roles can access this api

Consumes
This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body **mosquito_actuator_body_1** (required)
Body Parameter —

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header:

- application/json

Responses

204
Default Response
404
Default Response inline_response_404
500
Default Response inline_response_500

GET /v1/mosquito/actuator/{fieldID}/all

Get all actuator topics (**v1MosquitoActuatorFieldIDAllGet**)

Only authenticated users can access this api

Path parameters

fieldID (required)
Path Parameter —

Query parameters

page (required)
Query Parameter —

quantity (required)
Query Parameter —

Return type
inline_response_200

Example data
Content-Type: application/json

```
{
  "result" : [ {
    "topic" : "topic",
    "fieldID" : "fieldID"
  }, {
    "topic" : "topic",
    "fieldID" : "fieldID"
  } ],
  "count" : 0
}
```

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
200
Default Response inline_response_200
500
Default Response inline_response_500

POST /v1/mosquito/actuator/

Add an actuator topic (**v1MosquitoActuatorPost**)

Only admin and farmer roles can access this api

Consumes
This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [mosquito_actuator_body](#) **(required)**
Body Parameter —

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
204
Default Response
404
Default Response [inline_response_404](#)
500
Default Response [inline_response_500](#)

POST /v1/mosquito/actuator/state [Up](#)

Update actuator state (**v1MosquitoActuatorStatePost**)

Only authenticated users can access this api

Consumes
This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [actuator_state_body](#) **(required)**
Body Parameter —

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
204
Default Response
404
Default Response [inline_response_404](#)
500
Default Response [inline_response_500](#)

Configuration

DELETE /v1/mosquito/configuration/ [Up](#)

Remove the configuration of an actuator (**v1MosquitoConfigurationDelete**)

Only admin and farmer roles can access this api

Consumes
This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [mosquito_configuration_body_2](#) **(required)**

Body Parameter —

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
204
Default Response
404
Default Response inline_response_404
500
Default Response inline_response_500

GET /v1/mosquito/configuration/{fieldID}/{actuatorTopic}

Get the configuration of an actuator (**v1MosquitoConfigurationFieldIDActuatorTopicGet**)

Only admin and farmer roles can access this api

Path parameters

fieldID (required)
Path Parameter —

actuatorTopic (required)
Path Parameter —

Return type
mosquito_configuration_body_1

Example data
Content-Type: application/json

```
{
  "sensorTopic" : "sensorTopic",
  "conditionFalse" : 6,
  "actuatorTopic" : "actuatorTopic",
  "conditionTrue" : 1,
  "conditionValue" : 0,
  "conditionType" : "<",
  "startTime" : 13,
  "endTime" : 13,
  "fieldID" : "fieldID"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
200
Default Response mosquito_configuration_body_1
404
Default Response inline_response_404
500
Default Response inline_response_500

POST /v1/mosquito/configuration/

Add the configuration of an actuator (**v1MosquitoConfigurationPost**)

Only admin and farmer roles can access this api

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body **mosquito_configuration_body_1** (required)
Body Parameter —

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204
Default Response
404
Default Response inline_response_404
500
Default Response inline_response_500

PUT /v1/mosquito/configuration/

Update the configuration of an actuator (**v1MosquitoConfigurationPut**)

Only admin and farmer roles can access this api

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body **mosquito_configuration_body** (required)
Body Parameter —

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204
Default Response
404
Default Response inline_response_404
500
Default Response inline_response_500

Default

GET /ws/

(**wsGet**)

Responses
200
Default Response

Sensor

DELETE /v1/mosquito/sensor/

Remove a sensor topic (**v1MosquitoSensorDelete**)

Only admin and farmer roles can access this api

Consumes
This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

    body mosquito_sensor_body_1 (required)
    Body Parameter —

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses
204
Default Response
404
Default Response inline_response_404
500
Default Response inline_response_500

GET /v1/mosquito/sensor/{fieldID}/all

Get all sensor topics (**v1MosquitoSensorFieldIDAllGet**)

Only authenticated users can access this api

Path parameters

    fieldID (required)
    Path Parameter —

Query parameters

    page (required)
    Query Parameter —

    quantity (required)
    Query Parameter —

Return type
inline_response_200

Example data
Content-Type: application/json

```
{
  "result" : [ {
    "topic" : "topic",
```

```
     "fieldID" : "fieldID"
  }, {
    "topic" : "topic",
    "fieldID" : "fieldID"
  } ],
  "count" : 0
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
200
Default Response [inline_response_200](#)
404
Default Response [inline_response_404](#)
500
Default Response [inline_response_500](#)

GET /v1/mosquito/sensor/{fieldID}/{topic}/measures [Up](#)

Get sensor measures (**v1MosquitoSensorFieldIDTopicMeasuresGet**)

Only authenticated users can access this api

Path parameters

fieldID (required)
Path Parameter —

topic (required)
Path Parameter —

Query parameters

startDate (required)
Query Parameter — format: date-time

endDate (required)
Query Parameter — format: date-time

Return type
array[[inline_response_200_1](#)]

Example data
Content-Type: application/json

```
[ {
  "value" : 0.8008281904610115,
  "timestamp" : "timestamp"
}, {
  "value" : 0.8008281904610115,
  "timestamp" : "timestamp"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
200

Default Response
404
Default Response <u>inline_response_404</u>
500
Default Response <u>inline_response_500</u>

POST /v1/mosquito/sensor/   <u>Up</u>

Add a sensor topic (**v1MosquitoSensorPost**)

Only admin and farmer roles can access this api

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body <u>**mosquito_sensor_body**</u> **(required)**
Body Parameter —

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses
204
Default Response
404
Default Response <u>inline_response_404</u>
500
Default Response <u>inline_response_500</u>

Models

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actuator_state_body   <u>Up</u>

topic
String

fieldID
String

value (optional)
BigDecimal

auto (optional)
Boolean

inline_response_200   **Up**

count   **Up**
Integer

result
array[inline_response_200_result]

inline_response_200_1   **Up**

value (optional)
BigDecimal

timestamp (optional)
String

inline_response_200_result   **Up**

topic
String

fieldID
String

inline_response_404   **Up**

error (optional)
String

code (optional)
String

message (optional)
String

inline_response_500   **Up**

error (optional)
String

mosquito_actuator_body   **Up**

topic
String

fieldID
String

mosquito_actuator_body_1   **Up**

topic
String

fieldID
String

mosquito_configuration_body   **Up**

actuatorTopic
String

fieldID
String

sensorTopic (optional)
String

conditionType (optional)
String
    Enum:
        <
        >

conditionValue (optional)
Integer

conditionFalse (optional)
Integer

conditionTrue (optional)
Integer

startTime (optional)
Integer

endTime (optional)
Integer

mosquito_configuration_body_1   **[Up](#)**

actuatorTopic
String

fieldID
String

sensorTopic (optional)
String

conditionType (optional)
String
    Enum:
        <
        >

conditionValue (optional)
Integer

conditionFalse
Integer

conditionTrue
Integer

startTime (optional)
Integer

endTime (optional)
Integer

mosquito_configuration_body_2   **[Up](#)**

fieldID
String

actuatorTopic
String

mosquito_sensor_body   **[Up](#)**

topic
String

fieldID
String

mosquito_sensor_body_1

topic
String

fieldID
String