server_automation

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Jan 19, 2022

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Description

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HOME

`class Home.Home(`*name='MyHome', rooms_list=[], mqtt_client=<object object>*`)`

Home class

CHAPTER

TWO

ROOM

class Room.**Room**(*name='room_1'*, *elements_list=[]*)

Room class

CHAPTER THREE

ELEMENT

class `Element.`**`Element`**(*name='elements_1'*, *type='sensor'*, *data={}*)

Element class

CHAPTER FOUR

API

`class Api.Api`

API class

`create_action`(*value=''*, *element_name=''*)

Create an action

Parameters

- `value` (*str or int*) – The value
- `element_name` (*str*) – The element name of the value

Returns int – The status code of the request post

`create_element`(*element_name=''*, *parent_room_name=''*, *type_name=''*)

Create an element

Parameters

- `element_name` (*str*) – The name of the element
- `parent_room_name` (*str*) – The name of the room parent
- `type_name` (*str*) – The type of the element

Returns int – The status code of the request post

`create_home`(*home_name=''*, *rooms_list=[]*)

Create a home

Parameters

- `home_name` (*str*) – The name of the home
- `rooms_list` (*list*) – The list of rooms in the home

Returns int – The status code of the request post

`create_mode`(*parent_home_name=''*, *mode_name=''*)

Create a mode

Parameters

- `element_name` (*str*) – The name of the mode
- `parent_home_name` (*str*) – The name of the parent home

Returns int – The status code of the request post

`create_room`(*room_name=''*, *parent_home_name=''*, *elements_list=[]*)

Create a room

Parameters

- `room_name` (*str*) – The name of the room
- `parent_home_name` (*str*) – The name of the parent home
- `elements_list` (*list*) – The list of elements in the room

Returns int – The status code of the request post

`create_type`(*type_name=''*)

Create a type

Parameters `type_name` (*str*) – The name of the type

Returns int – The status code of the request post

`create_value`(*value=''*, *element_name=''*)

Create a value

Parameters

- `value` (*str or int*) – The value
- `element_name` (*str*) – The element name of the value

Returns int – The status code of the request post

`get_action_by_id`(*action_id=0*)

Get one action with it id

Parameters `action_id` (*ID*) – The ID of the action

Returns json – The json of the action data

`get_actions`()

Get all actions

Returns json – The json of all actions data

`get_active_mode`(*home_name*)

Get the active mode

Parameters `home_name` (*str*) – The name of the home's mode

Returns str – The name of the active mode

`get_element_by_id`(*element_id=0*)

Get one element with it id

Parameters `element_id` (*ID*) – The ID of the element

Returns json – The json of the element data

`get_element_by_iri`(*element_iri=''*)

Get one element with it IRI

Parameters `element_iri` (*str*) – The IRI of the element, exemple /api/elements/1

Returns json – The json of the element data

`get_element_by_name`(*element_name=''*)

Get one element with it name

Parameters `element_name` (*str*) – The name of the element

Returns json – The json of the element data

`get_element_id_by_name`(*element_name=''*)
Get element id by name

Parameters `element_name` (*str*) – The name of the element

Returns id – The ID of the element

`get_element_name_by_id`(*element_id=0*)
Get element name by id

Parameters `element_id` (*int*) – The ID of the element

Returns str – The name of the element

`get_elements`()
Get all elements

Returns json – The json of all elements data

`get_home_by_id`(*home_id=0*)
Get one home with it ID

Parameters `home_id` (*int*) – The ID of the home

Returns json – The json of the home data

`get_home_by_name`(*home_name=''*)
Get one home with it name

Parameters `home_name` (*str*) – The name of the home

Returns json – The json of the home data

`get_home_id_by_name`(*home_name=''*)
Get home id by name

Parameters `home_name` (*str*) – The name of the home

Returns id – The ID of the home

`get_home_name_by_id`(*home_id=0*)
Get home name by id

Parameters `home_id` (*int*) – The ID of the home

Returns str – The name of the home

`get_homes`()
Get all homes

Returns json – The json of all homes data

`get_last_action_by_element_name`(*element_name=''*)
Get the last action of an element (by name element name)

Parameters `element_name` (*ID*) – The element name

Returns json – The json of the value data

`get_last_value_by_element_name`(*element_name=''*)
Get the last value of an element (by name element name)

Parameters `element_name` (*ID*) – The element name

Returns json – The json of the value data

`get_modes`()
Get all modes

Returns json – The json of all modes data

`get_room_by_id`(*room_id=0*)
Get one room with it ID

Parameters `room_id` (`int`) – The ID of the room

Returns json – The json of the room data

`get_room_by_iri`(*room_iri=''*)
Get one room with it IRI

Parameters `room_iri` (`str`) – The IRI of the room, exemple /api/rooms/1

Returns json – The json of the room data

`get_room_by_name`(*room_name=''*)
Get one room with it name

Parameters `room_name` (`str`) – The name of the room

Returns json – The json of the room data

`get_room_id_by_name`(*room_name=''*)
Get room id by name

Parameters `room_name` – The name of the room

Returns id – The ID of the room

`get_room_name_by_id`(*room_id=0*)
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Parameters `room_id` (`int`) – The ID of the room

Returns str – The name of the room

`get_rooms`()
Get all rooms

Returns json – The json of all rooms data

`get_type_by_id`(*type_id=0*)
Get one type with it id

Parameters `type_id` (`int`) – The ID of the type

Returns json – The json of the type data

`get_type_by_iri`(*type_iri=''*)
Get one type with it iri

Parameters `type_iri` (`str`) – The IRI of the type, exemple /api/types/1

Returns json – The json of the type data

`get_type_by_name`(*type_name=''*)
Get one type with it name

Parameters `type_name` (`str`) – The name of the type

Returns json – The json of the type data

`get_type_id_by_name`(*type_name=''*)
Get type id by name

Parameters `type_name` (`str`) – The name of the type

Returns id – The ID of the type

`get_type_name_by_id`(*type_id=0*)
Get type name by id

Parameters `type_id` (*int*) – The ID of the type

Returns str – The name of the type

`get_types`()
Get all types

Returns json – The json of all types data

`get_unresolved_actions`()
Get all unresolved actions

Returns json – The json of the actions data

`get_unresolved_actions_by_element_name`(*element_name=''*)
Get all unresolved action of an element (by name element name)

Parameters `element_name` (*ID*) – The name of the element

Returns json – The json of the actions data

`get_value_by_id`(*value_id=0*)
Get one value with it id

Parameters `value_id` (*ID*) – The ID of the value

Returns json – The json of the value data

`get_values`()
Get all values

Returns json – The json of all values data

`update_action`(*action_id=0*, *value=''*, *element_name=''*, *state=False*)
Update an action

Parameters

- `action_id` (*int*) – The ID of the action
- `value` (*str or int*) – The value
- `element_name` (*str*) – The element name of the value
- `state` (*bool*) – The state of the action

Returns int – The status code of the request put

`update_element`(*element_id=0*, *element_name=''*, *parent_room_name=''*, *type_name=''*, *actions_id=None*, *values_id=None*, *state=None*)
Update an element

Parameters

- `element_id` (*int*) – The ID of the element
- `element_name` (*str*) – The name of the element
- `parent_room_name` (*str*) – The name of the parent room
- `actions_id` – The list of actions
- `values_id` (*list*) – The list of values

- **state** (*bool*) – The state of the element (for actuator)

Returns int – The status code of the request put

`update_home`(*home_id=0*, *home_name=''*, *rooms_list=None*)

Update a home

Parameters

- **home_id** (*int*) – The ID of the home
- **home_name** (*str*) – The name of the home
- **rooms_list** (*list*) – The list of rooms in the home

Returns int – The status code of the request put

`update_mode`(*mode_id=0*, *state=False*)

Update a mode

Parameters

- **mode_id** (*int*) – The ID of the mode
- **state** (*bool*) – The state of the action

Returns int – The status code of the request put

`update_room`(*room_id=0*, *room_name=''*, *parent_home_name=''*, *elements_list=None*)

Update a room

Parameters

- **room_id** (*int*) – The ID of the room
- **room_name** (*str*) – The name of the room
- **elements_list** (*list*) – The list of elements in the room
- **parent_home_name** (*str*) – The name of the parent home

Returns int – The status code of the request put

`update_type`(*type_id=0*, *type_name=''*, *elements_list=None*)

Update a type

Parameters

- **type_id** (*int*) – The ID of the type
- **type_name** (*str*) – The name of the type
- **elements_list** (*list*) – The list of elements in the room

Returns int – The status code of the request put

CHAPTER FIVE

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PYTHON MODULE INDEX

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