

RAISE REST REQUESTS

1. DEVICE

1.1 GET

Method	GET
Request	/device/
Parameters	none
Specification	Return a json with an array of all devices
Example	http://raise-iiot-ip/device/

REQUEST 1.1.1 Get all devices

Method	GET
Request	/device/<id>/
Parameters	none
Specification	Return a json with an array of device with the specified id
Examples	http://raise-iiot-ip/device/18/

REQUEST 1.1.2 Get device by id

Method	GET
Request	/device/<id>/services/
Parameters	none
Specification	Return a json with an array of all services of specified device
Examples	http://raise-iiot-ip/device/18/services/

REQUEST 1.1.3 Get device services

Method	GET
Request	/device?<parameters>
Parameters	id, name, manufacture, description
Specification	Return a json with an array of devices that matches specified parameters
Examples	http://raise-iiot-ip/devices?name=arduino_home http://raise-iiot-ip/devices?id=3&description=light

REQUEST 1.1.4 Get devices by parameters

1.2 POST

Method	POST
Request	/device?<parameters>
Parameters	id, name, slave_controller, device type, manufacturer, model name, model number, serial number, spec_version_major, spec_version_minor, device udn*, device upc*, manufacture_url*, model_url*
Specification	Create a new device with given parameters values
Examples	http://raise-iiot-ip/device?name=bedroom_light&devicetype=urn:herqq-org:device:HtestDevice:1&manufacture=toshiba&....

REQUEST 1.2.1 Create device

*optional parameters

1.3 PUT

Method	PUT
Request	/device/<name>?<parameters>
Parameters	device type, manufacture, model name, model number, serial number, spec_version_major, spec_version_minor, manufacture_url, model_url
Specification	Update device with given parameters values
Examples	http://raise-iiot-ip/device/bathroom_light?name=bathroom_light&manufacture=sony

REQUEST 1.3.1 Update device by name

Method	PUT
Request	/device/<id>?<parameters>
Parameters	device type, manufacture, model name, model number, serial number, spec_version_major, spec_version_minor, manufacture_url, model_url
Specification	Update device with given parameters values
Examples	http://raise-iiot-ip/device/18?name=restroom_light&manufacture=LG

REQUEST 1.3.2 Update device by id

1.4 DELETE

Method	DELETE
Request	/device/<id>/

Parameters	None
Specification	Delete device by id
Examples	http://raise-uiot-ip/device/18/

REQUEST 1.4.1 Delete device by id

Method	DELETE
Request	/device/<name>/
Parameters	None
Specification	Delete device by name
Examples	http://raise-uiot-ip/device/bedroom_light/

REQUEST 1.4.2 Delete device by name

2. Service

2.1 GET

Method	GET
Request	/service/
Parameters	None
Specification	Return a json with an array of all services
Example	http://raise-uiot-ip/service/

REQUEST 2.1.1 Get all services

Method	GET
Request	/service/<id>/
Parameters	None
Specification	Return a json with an array of service with specified id
Example	http://raise-uiot-ip/service/34

REQUEST 2.1.2 Get service by id

Method	GET
Request	/service/<id>/action
Parameters	None
Specification	Return a json with an array of all actions of specified service
Example	http://raise-uiot-ip/service/18/action

REQUEST 2.1.3 Get service actions

Method	GET
Request	/service?<parameters>
Parameters	id, name, description
Specification	Return a json with an array of services that matches specified parameters
Examples	http://raise-iiot-ip/service?name=arduino_home http://raise-iiot-ip/service?id=3&description=light

REQUEST 2.1.4 Get services by parameters

2.2 POST

Method	POST
Request	/service?<parameters>
Parameters	id, name, service type, scpurl*, control_url*, event_sud_url*
Specification	Create a new service with given parameters values
Examples	http://raise-iiot-ip/service?name=power_handler&servicetype=urn:hamn:service:power_handler:1

REQUEST 2.2 Create service

2.3 PUT

Method	PUT
Request	/service/<name>?<parameters>
Parameters	name, service type, scpurl, control_url, event_sud_url, description
Specification	Update service with given parameters values
Examples	http://raise-iiot-ip/service/power_handler?name=power_handler&service type=urn:hamn:service:power_handler:1

REQUEST 2.3.1 Update service by name

Method	PUT
Request	/service/<id>?<parameters>
Parameters	name, service type
Specification	Update service with given parameters values
Examples	http://raise-iiot-ip/service/34?name=power_handler&servicetype=urn:hamn:service:power_handler:1

REQUEST 2.3.2 Update service by id

2.4 DELETE

Method	DELETE
Request	/service/<id>/
Parameters	none
Specification	Delete service by id
Examples	http://raise-iiot-ip/service/34/

REQUEST 2.4.1 Delete service by id

Method	DELETE
Request	/service/<name>/
Parameters	none
Specification	Delete service by name
Examples	http://raise-iiot-ip/service/power_handler/

REQUEST 2.4.2 Delete service by name

3. Action

3.1 GET

Method	GET
Request	/action/
Parameters	none
Specification	Return a json with an array of all actions
Example	http://raise-iiot-ip/action/

REQUEST 3.1.1 Get all actions

Method	GET
Request	/action/id/
Parameters	id
Specification	Return a json with an array of action with specified id.
Example	http://raise-iiot-ip/device/29/

REQUEST 3.1.2 Get action by id

3.2 POST

Method	POST
Request	/action?<parameters>
Parameters	name
Specification	Create a new action with given parameters values

Examples	http://raise-iiot-ip/action?name=set_power
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REQUEST 3.2 Create action

3.3 PUT

Method	PUT
Request	/action/<name>?<parameters>
Parameters	name
Specification	Update action with given parameter value
Examples	http://raise-iiot-ip/device/set_power?name=set_power

REQUEST 3.3.1 Update action by name

Method	PUT
Request	/action/<id>?<parameters>
Parameters	name
Specification	Update action with given parameter value
Examples	http://raise-iiot-ip/device/29?name=set_power

REQUEST 3.3.2 Update action by id

3.4 DELETE

Method	DELETE
Request	/action/<id>/
Parameters	none
Specification	Delete action by id
Examples	http://raise-iiot-ip/action/29/

REQUEST 3.4.1 Delete action by id

Method	DELETE
Request	/action/<name>/
Parameters	none
Specification	Delete action by name
Examples	http://raise-iiot-ip/action/set_power/

REQUEST 3.4.2 Delete action by name

4. State Variable

4.1 GET

Method	GET
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Request	/state_variable/
Parameters	none
Specification	Return a json with an array of all state variables
Example	http://raise-uiot-ip/state_variable/

REQUEST 4.1.1 Get all state variables

Method	GET
Request	/state_variable/id
Parameters	none
Specification	Return a json with an array of state variable with specified id
Example	http://raise-uiot-ip/state_variable/8

REQUEST 4.1.2 Get state variable by id

4.2 POST

Method	POST
Request	/state_variable?<parameters>
Parameters	name
Specification	Create a new state variable with given parameters values
Examples	http://raise-uiot-ip/state_variable?name=humidity

REQUEST 4.2 Create state variable

4.3 PUT

Method	PUT
Request	/state_variable/<id>?<parameters>
Parameters	name
Specification	Update state variable with given parameters values
Examples	http://raise-uiot-ip/state_variable/8?name=humidity

REQUEST 4.3.1 Update state variable by id

Method	PUT
Request	/state_variable/<name>?<parameters>
Parameters	name
Specification	Update state variable with given parameters values
Examples	http://raise-uiot-ip/state_variable/humidity?name=humidity

REQUEST 4.3.2 Update state variable by name

4.4 DELETE

Method	DELETE
Request	/state_variable/<id>/
Parameters	none
Specification	Delete state variable by id
Examples	http://raise-uiot-ip/state_variable/8

REQUEST 4.4.1 Delete state variable by id

Method	DELETE
Request	/state_variable/<name>/
Parameters	none
Specification	Delete state variable by name
Examples	http://raise-uiot-ip/state_variable/humidity/

5. Slave Controller

5.1 GET

Method	GET
Request	/slave_controller/
Parameters	none
Specification	Return a json with an array of all slave controllers
Example	http://raise-uiot-ip/slave_controller/

REQUEST 5.1.1 Get all slave controllers

Method	GET
Request	/slave_controller/unic_name
Parameters	none
Specification	Return a json with an array of slave controller with specified unique name
Example	http://raise-uiot-ip/slave_controller/room_mega

REQUEST 5.1.2 Get slave controller by unique name

5.2 POST

Method	POST
Request	/slave_controller?<parameters>
Parameters	unic_name
Specification	Create a new slave controller with given parameters

	values
Examples	http://raise-iiot-ip/slave_controller?unic_name=room_mega&type=0013A20040A14151

REQUEST 5.2 Create slave controller

5.3 PUT

Method	PUT
Request	/slave_controller/<unic_name>?<parameters>
Parameters	unic_name
Specification	Update slave controller with given parameters values
Examples	http://raise-iiot-ip/slave_controller/room_mega?name=room_mega&type=0013A20040A14151

REQUEST 5.3 Update slave controller by unique name

5.4 DELETE

Method	DELETE
Request	/slave_controller/<unic_name>/
Parameters	none
Specification	Delete slave controller by name
Examples	http://raise-iiot-ip/slave_controller/room_mega/

REQUEST 5.4 Delete slave controller by unique name

6. Resource

6.1 GET

Method	GET
Request	/resource/
Parameters	none
Specification	Return a json with an array of resource metadata
Example	http://raise-iiot-ip/resource/

REQUEST 6.1 Get resource metadata