Developper manual of RasPy

Release 0.0.1

bibi21000

| 1 | Insta | Illation | 1 |
|----|--------|------------------------|----|
| | 1.1 | Raspbian | 1 |
| | 1.2 | Update packages | 1 |
| | 1.3 | Download it | 1 |
| | 1.4 | Configure your system | 2 |
| | 1.5 | Installation | 2 |
| | 1.6 | Run the tests | 2 |
| | 1.7 | Start it | 2 |
| | 1.8 | Read the doc | 2 |
| 2 | Befor | re starting | 3 |
| | 2.1 | Phylosophy | 3 |
| | 2.2 | Documentation | 3 |
| | 2.3 | Tests | 3 |
| | 2.4 | GitHub | 4 |
| 3 | Deve | Іор | 5 |
| | 3.1 | new device | 5 |
| | 3.2 | A new server | 5 |
| 4 | raspy | y package | 7 |
| | 4.1 | Subpackages | 7 |
| | 4.2 | Module contents | 25 |
| 5 | raspy | yweb package | 27 |
| | 5.1 | Subpackages | 27 |
| | 5.2 | Submodules | 28 |
| | 5.3 | raspyweb.config module | 28 |
| | 5.4 | raspyweb.run module | 29 |
| | 5.5 | raspyweb.shell module | 29 |
| | 5.6 | Module contents | 29 |
| Py | thon I | Module Index | 31 |
| In | dex | | 33 |

Installation

The following lines "clone" a GitHub repository. If you want to submit "pull requests", you need to "fork" RasPy using this guide.

1.1 Raspbian

Install official raspbian from here: http://www.raspbian.org/.

Newbies can install it from: http://www.raspberrypi.org/downloads/.

Developpers or others can also install it on standard distributions (Ubuntu, Debian, RedHat, ...).

1.2 Update packages

You can now update packages

```
sudo apt-get -y update
sudo apt-get -y dist-upgrade
```

We need to install some packages to download and build RasPy:

```
sudo apt-get -y install build-essential python-dev python-minimal python python2.7-dev python2.7-sudo apt-get -y install git python-setuptools python-docutils python-pylint
```

And some development librairies for rrdtool (for the logger):

```
sudo apt-get -y install libcairo2-dev libpango1.0-dev libglib2.0-dev libxml2-dev librrd-dev
```

Some packages need to be removed as new versions are available from eggs:

```
sudo apt-get remove python-zmq libzmq1 libzmq-dev python-nose pylint
```

1.3 Download it

You should now download RasPy using git. You should not download and install RasPy with root user. Idealy, you should create a special user for running RasPy or the pi user. Keep in mind root is baaaddddd (Not support for installation as root!!!).

```
git clone https://github.com/bibi21000/RasPy.git
```

1.4 Configure your system

- · access rights
- · sudo nopasswd
- ...

1.5 Installation

If you want to develop for RasPy, you need to install it in develop mode:

```
sudo make develop
```

Otherwise install it normaly ... but not now;):

```
sudo make install
```

And be patient ... installation need to compile zmq ... It takes a while ...

If something goes wrong during install or if you want to remove RasPy from you computer, you type:

```
sudo make uninstall
```

If you want to remove dependencies, look at setup.py to get the list and use the following command for every package:

```
sudo pip uninstall package
```

1.6 Run the tests

Check that the SLEEP constant in tests/common.py ist set to 1.0 or 1.5

```
vim tests/common.py
```

You can now check that everything is fine running the tests:

```
make tests
```

If it fails ... run it again:) At last, copy / paste the full screen output and send it to the core team.

1.7 Start it

In the next monthes, you should be abble to start it:

```
make start
```

1.8 Read the doc

- docs/pdf
- · docs/html

Before starting

If you want to develop you surely need vim:

```
sudo apt-get -y install vim-nox vim-addon-manager
```

2.1 Phylosophy

Tests, tests, ... and tests:

- A bug -> a test -> a patch
- A new feature -> many test

And documentation

• A new feature -> documentation

2.2 Documentation

If you want to generate the documentation, you need to install some packages:

```
sudo apt-get -y install python-sphinx graphviz
```

And some eggs:

```
sudo pip install seqdiag sphinxcontrib-seqdiag
sudo pip install blockdiag sphinxcontrib-blockdiag
sudo pip install nwdiag sphinxcontrib-nwdiag
sudo pip install actdiag sphinxcontrib-actdiag
```

You can now generate the full documentation using:

```
make docs
```

You can also generate a part of it, for example:

```
cd docs
make html
```

2.3 Tests

Nosetests and pylint are used to test quality of code. There reports are here:

· Nosetests report

- · Coverage report
- Pylint report

Coverage is not the goal but it's one: a module must have a coverage of 90% to be accepted by core team. Otherwise it will block the packaging process. Of course, a FAILED test will also.

Keep in mind that all tests must succeed before submitting pull request. But :

- if a test is a work in progress, you can skip it using self.wipTest()
- if a test can only be run on Raspberry (ie onewire), it must call self.skipTest(message) at its start.

There is 2 ways to launch the tests. The first one to use on a Raspberry:

make tests

You can also run the developpers tests (without skipped one) on a standard computer running:

make devtests

If you're on a raspberry, you can run the full tests like this:

make tests

Running only one test module:

/usr/local/bin/nosetests --verbosity=2 --cover-package=raspy --with-coverage --cover-inclusive --

You can follow automatic tests on travis-ci.

2.4 GitHub

You can test the code, build the doc and commit it using the following command:

make git

You may use ssh_keys to do it automatically without typing password.

CHAPTER 3

Develop

- 3.1 A new device
- 3.2 A new server

raspy package

4.1 Subpackages

4.1.1 raspy.common package

Subpackages

raspy.common.devices package

Submodules

```
raspy.common.devices.device module Devices.
```

 ${\bf class} \; {\tt raspy.common.devices.device.BaseDevice} \; ({\it json=None})$

Bases: object

The base device object

What is a device:

- •a temperature sensor
- •a wind sensor
- •a camera
- •the clock RTC
- •a dimmer
- •a TV
- •...

What can we do with a device: a command (same "spirit" as zwave's command classes

- •configure it
- •get value of a sensor
- •dim a dimmer
- •take a photo with camera
- •...

We shoud do auto-mapping:

- •python object <-> json
- •python object <-> html

We whould manage complex devices, ie a TV: it groups a channel selector (+, -, and direct access to a channel), a volume selector, ... In an ideal world we should not be obliged to create each sub-devices.

Naming convention of devices on the network : (MDP.routing_key(hostname, service)).{device_name}[.subdevice] Naming convention for devices / subdevices : categorie.device-subdevice (ie media.tv-volume, ...)

check (json=None)

Check that the JSON is a valid device

cmd_commands (value=None)

Command fof retrieving all commands supported by this device

Parameters value – the value. If value is None this command send the current config. Otherwise it will set it to calue

cmd_config(value=None)

Command for configuring device Must be overloaded and called by the subclass

Parameters value – the value. If value is None this command send the current config. Otherwise it will set it to calue

cmd_log(value=None)

Command for configuring logging of the device

cmd_poll (value=None)

Command for configuring polling of the device

cmd_reset (value=None)

Command for resetting device Must be overloaded (and called) by the subclass

$commands = \{\}$

The commands available on the device

config = {'name': None}

The device's configuration

do_poll()

Grab the value and return it

exec_cmd (oid, command, value=None)

Execute a command

Parameters

- device the oid device
- command the cid device
- value the value

Returns a value if the command succeed. None if it fails

fullname (prefix)

The fullname of the device

json

Check that the JSON is a valid device

log = False

Should we log this value (in the RasPy Logger)

name

The name of the device Must be unique for the instance server.

new(json=None)

Create a new device and return it

```
oid = 'base'
```

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor, temperature, media.camera, ...

poll = -1

The poll value of this device: -1 not pollable, 0: not poll and other = poll delay in seconds

subdevices = None

The subdevices of this device

template

The template of the device

templates = {}

The templates dictionnary Every device must add an entry for its config Will be used to check the device

```
class raspy.common.devices.device.Command(**kwargs)
```

Bases: object

A command for a device. Use the same "spirit" as ZWave command classes

callback = None

The callback method associated with this command

from_json (json=None)

Create the command from JSON

info = 'info'

Some information about the command Will be used to represent the value ie in a form, in a graph, ...

readonly = False

Is this command readonly ie a sensor

to_json()

Copy command to JSON

type = 'List'

The type of the value Will be used to represent the value ie in a form, in a graph, ...

value = None

The value

writeonly = False

Is this command writeonly ie a change dimmer command

```
class raspy.common.devices.device.DeviceRegister
```

Bases: object

The device register

All devices must register to this register (in main module)

check (json=None)

Check that the JSON is a valid device

new (**kwargs)

Create a new device and return it

register (device_type)

Register a device_type under key

raspy.common.devices.media module Media devices

```
class raspy.common.devices.media.MediaCamera(**kwargs)
```

Bases: raspy.common.devices.media.MediaDevice

The camera device object

```
new (**kwargs)
```

Create a new device and return it

oid = 'media.camera'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor, temperature, media.camera, ...

class raspy.common.devices.media.MediaDevice(**kwargs)

```
Bases: raspy.common.devices.device.BaseDevice
```

The sensor device object

check (json=None)

Check that the JSON is a valid device

oid = 'media'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor.temperature, media.camera, ...

class raspy.common.devices.media.MediaTV(**kwargs)

```
Bases: raspy.common.devices.media.MediaDevice
```

The temperature sensor device object

```
new(**kwargs)
```

Create a new device and return it

oid = 'media.tv'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor.temperature, media.camera, ...

raspy.common.devices.sensor module Sensors devices

```
class raspy.common.devices.sensor.SensorDevice(**kwargs)
```

```
Bases: raspy.common.devices.device.BaseDevice
```

The sensor device object

check (json=None)

Check that the JSON is a valid device

oid = 'sensor'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor.temperature, media.camera, ...

class raspy.common.devices.sensor.SensorTemperature(**kwargs)

```
Bases: raspy.common.devices.sensor.SensorDevice
```

The temperature sensor device object

```
new(**kwargs)
```

Create a new device and return it

oid = 'sensor.temperature'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor, temperature, media.camera, ...

```
class raspy.common.devices.sensor.SensorWind(**kwargs)
```

```
Bases: raspy.common.devices.sensor.SensorDevice
```

The wind sensor device object

```
new(**kwargs)
```

Create a new device and return it

oid = 'sensor.wind'

The Object Identifier It should be given by the core team as it can break other devices. Need to define a naming convention: sensor, sensor.temperature, media.camera, ...

Module contents

Submodules

```
raspy.common.MDP module
exception raspy.common.MDP.ClientError(value)
     Bases: raspy.common.MDP.GenericError
     Client side exception
exception raspy.common.MDP.GenericError (value)
     Bases: exceptions. Exception
     Generic exception
exception raspy.common.MDP.ServerError(value)
     Bases: \verb|raspy.common.MDP.GenericError| \\
     Server side exception
raspy.common.MDP.logger = <logging.Logger object at 0x2acad6d07fd0>
     Majordomo Protocol definitions
raspy.common.MDP.routing_key(hostname, service)
raspy.common.dynamic module
raspy.common.dynamic.importCode (code, name, add_to_sys_modules=False)
raspy.common.executive module
class raspy.common.executive.Executive (hostname='localhost', service='executive', bro-
                                             ker_ip='127.0.0.1', broker_port=5514)
     Bases: object
     The Executive mother class for all workers
     todo:
           • bug : can't stop when jobs in queues
     destroy()
         Wait for threads and destroy contexts.
     get_instance_id()
         Return the instance of the exective
         ... todo: must be multihost and multithread.
     run()
         Run the executive
     shutdown()
         Shutdown executive.
class raspy.common.executive.ExecutiveProcess (executive, executive name)
```

4.1. Subpackages

Bases: multiprocessing.process.Process
Process executing tasks from a given tasks queue

run()

```
shutdown()
```

Method to deactivate the client connection completely.

Will delete the stream and the underlying socket.

Warning: The instance MUST not be used after shutdown () has been called.

Return type None

raspy.common.kvcliapi module

```
kvsimple - simple key-value message class for example applications
Author: Min RK <benjaminrk@gmail.com>
From: http://zguide.zeromq.org/py:kvsimple
class raspy.common.kvcliapi.KvPublisherClient (hostname='localhost',
                                                                                            bro-
                                                           ker_ip='127.0.0.1', broker_port=5514)
     Bases: object
     KeyValue Protocol Client API, Python version.
     Implements the client defined at http://zguide.zeromq.org/page:all#Working-with-Subtrees
     From https://raw.githubusercontent.com/imatix/zguide/master/examples/Python/clonecli4.py
     destroy()
          Destroy object
     send (subtree='subtree', key='key', body='body')
          Send the update
class raspy.common.kvcliapi.KvSubscriberClient (hostname='localhost',
                                                                                            sub-
                                                            tree='subtree', broker_ip='127.0.0.1',
                                                            broker\_port=5514, speed=1.0)
     Bases: object
     KeyValue Protocol Client API, Python version.
     Implements the client defined at http://zguide.zeromq.org/page:all#Working-with-Subtrees From
     https://raw.githubusercontent.com/imatix/zguide/master/examples/Python/clonecli4.py
     destroy()
          Destroy object
          Run the poller
     shutdown()
          Shutdown the broker.
raspy.common.kvsimple module
```

```
kvsimple - simple key-value message class for example applications
Author: Min RK <benjaminrk@gmail.com>
```

From: http://zguide.zeromq.org/py:kvsimple

```
class raspy.common.kvsimple.KVMsg(sequence, key=None, body=None)
    Bases: object
```

Message is formatted on wire as 3 frames:

- frame 0: key (0MQ string)
- frame 1: sequence (8 bytes, network order)

```
• frame 2: body (blob)
     body = None
     dump()
          Dump me to a string"
     key = None
     classmethod recv (socket)
          Reads key-value message from socket, returns new kvmsg instance.
     send(socket)
          Send key-value message to socket; any empty frames are sent as such.
     sequence = 0
     store(dikt)
          Store me in a dict if I have anything to store
raspy.common.mdcliapi module
Majordomo Protocol Client API, Python version.
Implements the MDP/Worker spec at http:#rfc.zeromq.org/spec:7.
Author: Min RK <benjaminrk@gmail.com> Based on Java example by Arkadiusz Orzechowski
class raspy.common.mdcliapi.MajorDomoClient(broker)
     Bases: object
     Majordomo Protocol Client API, Python version.
     Credits: https://github.com/imatix/zguide/blob/master/examples/Python/mdcliapi.py
     broker = None
     client = None
     ctx = None
     destroy()
          Destroy object
     poller = None
     reconnect_to_broker()
          Connect or reconnect to broker
     retries = 5
     send(service, request)
          Send request to broker and get reply by hook or crook.
          Takes ownership of request message and destroys it when sent. Returns the reply message or None if
          there was no reply.
     timeout = 500
     verbose = False
class raspy.common.mdcliapi.TitanicClient (broker_ip='localhost',
                                                                              broker_port=5514,
                                                     poll=1500, ttl=900)
     Bases: object
     The titanic client
     Credits: https://github.com/imatix/zguide/blob/master/examples/Python/ticlient.py
```

```
request (hostname='localhost', service='worker', data=['mmi.echo'], callback=None, args=(),
               kwargs={}\{\})
         Request a job for a worker to titanic
     run()
         Run the client in a loop
     send(service, request)
         Send a Majordomo request directly to worker
     shutdown()
         Shutdown executive.
     status (uuid)
         Retrieve the status of a work from titanic
raspy.common.mdwrkapi module
Majordomo Protocol Worker API, Python version
Implements the MDP/Worker spec at http:#rfc.zeromq.org/spec:7.
class raspy.common.mdwrkapi.MajorDomoWorker(broker, service)
     Bases: object
     Majordomo Protocol Worker API, Python version
     Implements the MDP/Worker spec at http:#rfc.zeromq.org/spec:7.
     HEARTBEAT LIVENESS = 5
    broker = None
     ctx = None
     destroy()
         Destroy object
     expect_reply = False
    heartbeat = 3500
     heartbeat_at = 0
     liveness = 0
     reconnect = 3500
     reconnect_to_broker()
         Connect or reconnect to broker
     recv (reply=None)
         Send reply, if any, to broker and wait for next request.
     reply_to = None
     \verb"send_to_broker" (command, option=None, msg=None)
         Send message to broker.
         . If no msg is provided, creates one internally
     service = None
     shutdown()
         Shutdown executive.
     status = True
```

The status of the worker. Should be update by callback in the future

```
verbose = False
     worker = None
raspy.common.runner module
raspy.common.server module
                                                                service='worker',
class raspy.common.server.Server(hostname='localhost',
                                                                                      hro-
                                       ker_ip='127.0.0.1', broker_port=5514)
     Bases: raspy.common.executive.Executive, raspy.common.statistics.Statistics
     The generic worker
     From http://zguide.zeromq.org/py:all#header-48
     worker mmi()
         Retrieve mmi informations of the worker
raspy.common.statistics module
class raspy.common.statistics.SNMP (oid='module.snmp.key', doc='A statistic integer value',
                                         initial=0)
     Bases: object
     Abstract statistic item
     set (value)
         Set a value to the snmp object
class raspy.common.statistics.SNMPCounter(oid='module.snmp.key',
                                                                         doc=A
                                                                                   statistic
                                                  counter value with overflow', initial=0,
                                                  overflow=4294967296)
     Bases: raspy.common.statistics.SNMP
     Long (32bits) with overflow
     set (value=1)
         Add value (default=1) to current value. Also manage overflow.
class raspy.common.statistics.SNMPFloat(oid='module.snmp.key', doc='A statistic float
                                               value', initial=0.0)
     Bases: raspy.common.statistics.SNMP
     Float counter
class raspy.common.statistics.SNMPString (oid='module.snmp.key', doc='A statistic string
                                                value', initial='')
     Bases: raspy.common.statistics.SNMP
     Float counter
class raspy.common.statistics.Statistics
     Bases: object
     The statistics manager
     add_statistic()
         Add a new statistic to the manager
     remove_statistic(oid)
         Remove a statistic from the manager
     update_statistic(oid='')
         Add a new statistic to the manager
```

timeout = 2500

worker_statistics()

Send statistics via mmi

raspy.common.supervisor module

```
class raspy.common.supervisor.Supervisor(runner=None)
```

The worker supervisor

Start executives in separate process see futures Each executive start multiples threads of workers

todo:

• bug : can't stop when jobs in queues

get_instance_id()

Return the instance of the worker: must be multihost and multithread.

reload()

Request the workers configuration against the configurator.

Will unregister all workers, stop all timers and ignore all further messages.

Warning: The instance MUST not be used after shutdown () has been called.

Return type None

run()

Start the IOLoop instance

shutdown()

Shutdown supervisor.

Will unregister all workers, stop all timers and ignore all further messages.

Warning: The instance MUST not be used after shutdown () has been called.

Return type None

stop_executives()

Shutdown executives.

raspy.common.zhelpers module

Helper module for example applications. Mimics ZeroMQ Guide's zhelpers.h.

```
raspy.common.zhelpers.dump(msg_or_socket)
```

Receives all message parts from socket, printing each frame neatly

```
raspy.common.zhelpers.set_id(zsocket)
```

Set simple random printable identity on socket

```
raspy.common.zhelpers.zpipe(ctx)
```

build inproc pipe for talking to threads

mimic pipe used in czmq zthread_fork.

Returns a pair of PAIRs connected via inproc

Module contents

4.1.2 raspy.servers package

Submodules

raspy.servers.broker module

Majordomo Protocol broker and key/value proxy.

Discovery process

Here is the way for a client to discover all devices on network



You can do the same for crons and scenarios

```
HEARTBEAT\_EXPIRY = 17500
```

HEARTBEAT_INTERVAL = 3500

 $HEARTBEAT_LIVENESS = 5$

INTERNAL_SERVICE_PREFIX = 'mmi.'

ctx = None

delete_worker (worker, disconnect)

Deletes worker from all data structures, and deletes worker.

destroy()

Disconnect all workers, destroy context.

dispatch (service, msg)

Dispatch requests to waiting workers as possible

heartbeat_at = None

```
poller = None
     process_client (sender, msg)
          Process a request coming from a client.
     process_worker (sender, msg)
          Process message sent to us by a worker.
     purge_workers()
          Look for & kill expired workers.
          Workers are oldest to most recent, so we stop at the first alive worker.
     require service(name)
          Locates the service (creates if necessary).
     require_worker (address)
          Finds the worker (creates if necessary).
     run()
          Main broker work happens here
     send_heartbeats()
          Send heartbeats to idle workers if it's time
     send_to_worker (worker, command, option, msg=None)
          Send message to worker.
          . If message is provided, sends that message.
     service_internal(service, msg)
          Handle internal service according to 8/MMI specification
     services = None
     shutdown()
          Shutdown the broker.
     socket = None
     waiting = None
     worker_waiting(worker)
          This worker is now waiting for work.
     workers = None
class raspy.servers.broker.Proxy (hostname='localhost', service='broker', broker_ip='*',
                                         broker\_port=5514, speed=1.0)
     Bases: threading. Thread
     The publisher
     Tree:
            /event/
            · /scenario/
            • /device/
     from: http://zguide.zeromq.org/page:all#Working-with-Subtrees
     run()
          Run the proxy
     send_single (key, kvmsg, route)
          Send one state snapshot key-value pair to a socket
     shutdown()
          Shutdown the proxy.
```

```
class raspy.servers.broker.Route(socket, identity, subtree)
class raspy.servers.broker.Service (name)
     Bases: object
     a single Service
     name = None
     requests = None
     waiting = None
class raspy.servers.broker.Worker(identity, address, lifetime)
     Bases: object
     a Worker, idle or active
     address = None
     expiry = None
     identity = None
      service = None
raspy.servers.core module
class raspy.servers.core.Core (hostname='localhost', service='core', broker_ip='127.0.0.1',
                                      broker\ port=5514)
     Bases: raspy.common.server.Server
     The Core server
          •Cron
                - Generate events in the publisher
          •Scenario
                - a scenario can run in background at startup (ie thermostat) or fired by an event (ie cron, sun
                  is down, temperature is under 0°C)
                - a scenario can be a loop so it must be launch in a separate thread : start filling, loop until
                   water level is ok: need to call self._stopevent.isSet() in it so that the tread can shutdown.
                - look for updates in entries list (cron, sensors, variables in the publisher): a list mapped in
                   friendly user's names (using store)
                - it can publish some values with publisher
                - do some work using inline code python:
                - send commands to devices, cron jobs, start other scenario, update some variables in publisher
                - we can export/import scenarios : share with friends
          •NTP / Sytem Time / RTC Sync
                - sync from ntp to rtc
                - sync from trc to system : using sudo with no password
     worker_cron()
          Create a worker to handle cron requests
     worker_scenario()
          Create a worker to handle scenario's requests
     worker_scenarios()
          Create a worker to handle scenarios requests (list_keys, ...)
```

```
class raspy.servers.core.Cron
     Bases: object
     A cron job
     aps_job = None
class raspy.servers.core.CronManager
     Bases: object
     The manager of cron job
      jobs = \{\}
class raspy.servers.core.Scenario (name='scenarl', publisher=None)
     Bases: threading. Thread
     A scenario
      code = None
          The code we must exec
     conf = \{\}
          The configuration of the scenario
     entries = {}
          The entries we must look at for an event driven scenario
     fire()
          Check if the scenario must be fired using entries and that is not already running. If so, call sself.run()
               Returns True if the thread must be launch (self.run()), False otherwise
               Return type boolean
     load(store)
          Load the scenario from titanic store
               Parameters store – the store to get info from
               Type titani_store
               Returns True if the scenario was loaded from store
               Return type boolean
     run()
          Run the scenario
     running = False
          Is the scenario running
      shutdown()
          Shutdown the scenario
     store (store)
          Store the scenario to titanic store
class raspy.servers.core.ScenarioManager(publisher=None)
     Bases: object
     The manager of scenarios
     http://etutorials.org/Programming/Python+tutorial/Part+III+Python+Library+and+Extension+Modules/Chapter+13.+Control
     http://lucumr.pocoo.org/2011/2/1/exec-in-python/ http://late.am/post/2012/04/30/the-exec-statement-and-
     a-python-mystery
     add (name='scenar1', entries={}, code=None, conf={})
          Add a scenario
     delete (name='scenar1')
          Delete a scenario
```

```
list()
          Return all scenarios with conf, entries, ... as json dict
          Return all scenarios key (=name) ... as json list
      load(store)
          Load the scenarios from titanic store
          store keys:
              •scenario.main.conf: a json dict for configuration of scenario
              •scenario.main.keys: a json list of the scenario's names
              •scenario.key1.conf: a json dict for configuration of scenario key1
              •scenario.key1.entries: a json dict of entries of scenario key1
              •scenario.key1.code: a json string of code of scenario key1
      scenarios = {}
          The scenarios
      shutdown()
          Shutdown the scenario manager
      store (store)
          Store the scenarios to titanic store
     update (name='scenar1', entries={}, code=None, conf={})
          Update a scenario
raspy.servers.fake module
class raspy.servers.fake.Fake(hostname='localhost', service='fake', broker_ip='127.0.0.1',
                                      broker port=5514)
      Bases: raspy.common.server.Server
      A fake server to test RasPy
          •we must developp "real" fake device: ie a temperature sensors must not send random values
          •a cyclic sensor: parameters: cycle length, min, max and unit. Will do cycle from min temp to max
          temp (at cycle/2) and fall back tp min temp at end of if
          •a linear sensor
     worker devices()
          Create a worker to handle devices requests
raspy.servers.logger module
class raspy.servers.logger.CompressedFile(logfile='log1.log',
                                                                              mode='a+',
                                                                                               com-
                                                       presslevel=1)
     Bases: object
      A compressed log file
      close()
      log (level, message)
     open()
      readlines (start=0, end=-1, limit=20)
          Return lines from a file
```

```
rotate()
class raspy.servers.logger.Graph(logfile='log1.log', mode='a+', compresslevel=1)
     Bases: object
      A graph
class raspy.servers.logger.Logger(hostname='localhost',
                                                                                     service='logger',
                                             broker_ip='127.0.0.1',
                                                                                    broker_port=5514,
                                             data_dir='.rapsy')
      Bases: raspy.common.server.Server
     The logger server
      Will log data, events, ... in files, rrd, ... It can be called via the worker or it can log data in pthe publisher
      What to log:
          •numeric: data for a device. We must be abble to aggregate data from multiple devices (ie a graph for
           inside/outqide temperature)
          •text events: door open, notification, server log, ...
          •images for webcam ??? large amount of data, not a good idea to tranport it using zmq. A ftp client
           which sync to a server.
     How to log:
               •RRDtool for nuerical values:
              •http://segfault.in/2010/03/python-rrdtool-tutorial/
                                        rrcached
                                                              https://github.com/pbanaszkiewicz/python-
               rrdtool/blob/master/rrdtool-1.4.7/etc/rrdcached-init
              •Compressed text files for log:
              •stream compression: http://pymotw.com/2/bz2/index.html#module-bz2
               •file rotation
               •http://pymotw.com/2/gzip/
              •http://www.tutorialspoint.com/python/python_files_io.htm
     How to distribute graph, text logs
               •via a local directory. The http server will server them to the final client => raspyweb and the
               logger must be launch on the same server: NO
               •via sync : add a ftp server service (in python or a a package : vsftp with xinet or in stan-
               dalone): Use a lot of bandwith, How to transfer log: every minutes???: NO
               •add a simpleHttp server here which will serve file to the proxy (apache? so that it will cache
               them).
              •/graph/graphkey/day, /graph/graphkey/week, /graph/graphkey/month, /graph/graphkey/year
               •/log/logkey
     graphes = {}
      shutdown()
           Shutdown executive.
     worker_graph()
           Create a worker to handle graph requests
```

```
worker_log()
         Create a worker to handle logger requests
class raspy.servers.logger.ThreadedTCPRequestHandler(request,
                                                                            client_address,
     Bases: SocketServer.BaseRequestHandler
     The request handler
     handle()
class raspy.servers.logger.ThreadedTCPServer(server_address,
                                                                      RequestHandlerClass,
                                                     bind_and_activate=True)
     Bases: SocketServer.ThreadingMixIn, SocketServer.TCPServer
     The simple HTTP server Be careful ... no security at all
     logger = None
         The logger used to retrieve data_dir, log and graph dictionnaries
raspy.servers.onewire module
class raspy.servers.onewire.OneWire (hostname='localhost',
                                                                service='onewire',
                                                                                     bro-
                                                                broker_port=5514,
                                          ker_ip='127.0.0.1',
                                                                                      de-
                                          vices_dir='/sys/bus/w1/devices')
     Bases: raspy.common.server.Server
     The OneWire server
     Configuration
     You need to load kernel module:
     sudo vim /etc/modules
     # /etc/modules: kernel modules to load at boot time.
     # This file contains the names of kernel modules that should be loaded
     # at boot time, one per line. Lines beginning with "#" are ignored.
     # Parameters can be specified after the module name.
     w1-therm
     w1-gpio pullup=1
     i2c-dev
     i2c-bcm2708
     spi-bcm2708
     snd-bcm2835
     And check that blacklist is correct:
     sudo vim /etc/modprobe.d/raspi-blacklist.conf
     # blacklist spi and i2c by default (many users don't need them)
     blacklist spi-bcm2708
     blacklist i2c-bcm2708
     blacklist snd-soc-pcm512x
     blacklist snd-soc-wm8804
     At last, we must load the module in init script sothat we don't need to update this.
     From https://www.modmypi.com/blog/ds18b20-one-wire-digital-temperature-sensor-and-the-raspberry-pi
     worker devices()
         Create a worker to handle devices requests
```

raspy.servers.sync module

```
class raspy.servers.sync.Sync (hostname='localhost', service='sync', broker_ip='127.0.0.1',
                                      broker\ port=5514)
     Bases: raspy.common.server.Server
     The Sync server
     Sync data from a or many folders (which we can configure via zmq) to a remote server.
     Used by logger, camera, ...
     Sync can be sheduled (ie every day, ...) or lauchh on demand via worker We can sync a file or a directory
          Sync data in a separate thread
     worker_sync()
          Create a worker to handle sync requests
raspy.servers.titanic module
class raspy.servers.titanic.Titanic(hostname='localhost',
                                                                                  service='titanic',
                                              broker_ip='127.0.0.1',
                                                                                 broker port=5514,
                                              data dir='/tmp/raspy')
     Bases: raspy.common.executive.Executive
     The Titanic helper
     Also integrates a store for keys/values
     From http://zguide.zeromq.org/py:all#Disconnected-Reliability-Titanic-Pattern
          http://zguide.zeromq.org/py:all#Service-Oriented-Reliable-Queuing-Majordomo-Pattern
          https://github.com/imatix/zguide/tree/master/examples/Python
     reply_filename (uuid)
          Returns freshly allocated reply filename for given UUID
      request_filename(uuid)
          Returns freshly allocated request filename for given UUID
     run()
          Run the hub
      service_success(client, uuid)
          Attempt to process a single request, return True if successful
      store_filename (service)
          Returns store filename for given service
     titanic_close()
          Create a worker to handle titanic.close
          titanic.close: confirm that a reply has been stored and processed.
     titanic_reply()
          Create a worker to handle titanic.service
          titanic.reply: fetch a reply, if available, for a given request UUID.
     titanic_request (pipe)
          Create a worker to handle titanic.request
          titanic.request: store a request message, and return a UUID for the request.
     titanic_store()
          Create a worker to handle store services
```

Module contents

4.2 Module contents

4.2. Module contents 25

raspyweb package

5.1 Subpackages

5.1.1 raspyweb.app package

Subpackages

raspyweb.app.ajax package

Submodules

raspyweb.app.ajax.constants module The main views

raspyweb.app.ajax.models module The main views

raspyweb.app.ajax.views module The main views

```
raspyweb.app.ajax.views.devices()
raspyweb.app.ajax.views.home()
raspyweb.app.ajax.views.mmi()
```

Module contents

Submodules

raspyweb.app.views module

```
The main views
```

```
raspyweb.app.views.home()
raspyweb.app.views.not_found(error)
raspyweb.app.views.requests(path)
```

Module contents

RasPyWeb app module.

Use templates: https://pythonhosted.org/Flask-Themes/

raspyweb.app.install_secret_key (app, filename='secret_key')
Configure the SECRET_KEY from a file in the instance directory.

If the file does not exist, print instructions to create it from a shell with a random key, then exit.

5.2 Submodules

5.3 raspyweb.config module

Storing all the module configurations. Here, the database is setup to use SQLite, because it's a very convenient dev env database. Most likely /config.py won't be a part of your repository and will be different on your test and production servers.

- _basedir is a trick for you to get the folder where the script runs
- DEBUG indicates that it is a dev environment, you'll get the very helpful error page from flask when an error occurs.
- SECRET_KEY will be used to sign cookies. Change it and all your users will have to login again.
- ADMINS will be used if you need to email information to the site administrators.
- SQLALCHEMY_DATABASE_URI and DATABASE_CONNECT_OPTIONS are SQLAlchemy connection options (hard to guess)
- THREAD_PAGE my understanding was 2/core... might be wrong:)
- CSRF_ENABLED and CSRF_SESSION_KEY are protecting against form post fraud
- RECAPTCHA_* WTForms comes with a RecaptchaField ready to use... just need to go to recaptcha website and get your public and private key.

Credits: https://github.com/mitsuhiko/flask/wiki/Large-app-how-to

```
class raspyweb.config.Config
Bases: object

ADMINS = frozenset(['bibi21000@gmail.com'])

BROKER_IP = '127.0.0.1'

BROKER_PORT = 5514

CSRF_ENABLED = True

CSRF_SESSION_KEY = 'somethingimpossibletoguess'

DATABASE_URI = 'sqlite://:memory:'

DEBUG = False

RECAPTCHA_OPTIONS = {'theme': 'white'}

RECAPTCHA_PRIVATE_KEY = '6LeYIbsSAAAAAJezaIq3Ft_hSTo0YtyeFG-JgRtu'

RECAPTCHA_PUBLIC_KEY = '6LeYIbsSAAAAACRPIllxA7wvXjIE411PfdB2gt2J'

RECAPTCHA_USE_SSL = False

SECRET_KEY = 'This string will be replaced with a proper key in production.'

TESTING = False
```

$THREADS_PER_PAGE = 8$

 ${\bf class} \; {\tt raspyweb.config.DevelopmentConfig}$

Bases: raspyweb.config.Config

DEBUG = True

TESTING = True

class raspyweb.config.ProductionConfig

Bases: raspyweb.config.Config

DATABASE_URI = 'mysql://user@localhost/foo'

class raspyweb.config.TestingConfig

Bases: raspyweb.config.Config

TESTING = True

5.4 raspyweb.run module

Used to launch the web server.

Credits: https://github.com/mitsuhiko/flask/wiki/Large-app-how-to

raspyweb.run.main()

5.5 raspyweb.shell module

will allow you to get a console and enter commands within your flask environment. Maybe not as nice as debugging with pdb, but always useful (when you will initialize your database).

Credits: https://github.com/mitsuhiko/flask/wiki/Large-app-how-to

5.6 Module contents

```
r
raspy, 25
raspy.common, 17
raspy.common.devices, 11
raspy.common.devices.device, 7
raspy.common.devices.media,9
raspy.common.devices.sensor, 10
raspy.common.dynamic, 11
raspy.common.executive, 11
raspy.common.kvcliapi,12
raspy.common.kvsimple, 12
raspy.common.mdcliapi, 13
raspy.common.MDP, 11
raspy.common.mdwrkapi, 14
raspy.common.server, 15
raspy.common.statistics, 15
raspy.common.supervisor, 16
raspy.common.zhelpers, 16
raspy.servers, 25
raspy.servers.broker, 17
raspy.servers.core, 19
raspy.servers.fake, 21
raspy.servers.logger, 21
raspy.servers.onewire, 23
raspy.servers.sync, 24
raspy.servers.titanic,24
raspyweb, 29
raspyweb.app, 28
raspyweb.app.ajax, 27
raspyweb.app.ajax.constants, 27
raspyweb.app.ajax.models, 27
raspyweb.app.ajax.views, 27
raspyweb.app.views, 27
raspyweb.config, 28
raspyweb.run, 29
raspyweb.shell, 29
```

| A | cmd_reset() (raspy.common.devices.device.BaseDevice |
|--|---|
| add() (raspy.servers.core.ScenarioManager method), 20 | method), 8 |
| add_statistic() (raspy.common.statistics.Statistics | code (raspy.servers.core.Scenario attribute), 20 |
| method), 15 | Command (class in raspy.common.devices.device), 9 |
| address (raspy.servers.broker.Worker attribute), 19 ADMINS (raspyweb.config.Config attribute), 28 | commands (raspy.common.devices.device.BaseDevice attribute), 8 |
| aps_job (raspy.servers.core.Cron attribute), 20 | CompressedFile (class in raspy.servers.logger), 21 conf (raspy.servers.core.Scenario attribute), 20 |
| В | Config (class in raspyweb.config), 28 |
| BaseDevice (class in raspy.common.devices.device), 7 | config (raspy.common.devices.device.BaseDevice attribute), 8 |
| body (raspy.common.kvsimple.KVMsg attribute), 13 | Core (class in raspy.servers.core), 19 |
| Broker (class in raspy.servers.broker), 17 | Cron (class in raspy.servers.core), 19 |
| broker (raspy.common.mdcliapi.MajorDomoClient attribute), 13 | CronManager (class in raspy.servers.core), 20 |
| broker (raspy.common.mdwrkapi.MajorDomoWorker attribute), 14 | CSRF_ENABLED (raspyweb.config.Config attribute), 28 |
| BROKER_IP (raspyweb.config.Config attribute), 28 | CSRF_SESSION_KEY (raspyweb.config.Config attribute), 28 |
| BROKER_PORT (raspyweb.config.Config attribute), 28 | ctx (raspy.common.mdcliapi.MajorDomoClient attribute), 13 |
| C | ctx (raspy.common.mdwrkapi.MajorDomoWorker at- |
| callback (raspy.common.devices.device.Command at- | tribute), 14 |
| tribute), 9 | ctx (raspy.servers.broker.Broker attribute), 17 |
| check() (raspy.common.devices.device.BaseDevice method), 8 | D |
| check() (raspy.common.devices.device.DeviceRegister method), 9 | DATABASE_URI (raspyweb.config.Config attribute), 28 |
| check() (raspy.common.devices.media.MediaDevice method), 10 | DATABASE_URI (raspyweb.config.ProductionConfig attribute), 29 |
| check() (raspy.common.devices.sensor.SensorDevice method), 10 | DEBUG (raspyweb.config.Config attribute), 28 DEBUG (raspyweb.config.DevelopmentConfig at- |
| client (raspy.common.mdcliapi.MajorDomoClient at- | tribute), 29 |
| tribute), 13 | delete() (raspy.servers.core.ScenarioManager method), |
| ClientError, 11 | 20 |
| close() (raspy.servers.logger.CompressedFile method), | delete_worker() (raspy.servers.broker.Broker method), 17 |
| cmd_commands() (raspy.common.devices.device.BaseDe | destroy() (raspy.common.executive.Executive method), |
| cmd_config() (raspy.common.devices.device.BaseDevice method), 8 | destroy() (raspy.common.kvcliapi.KvPublisherClient method), 12 |
| cmd_log() (raspy.common.devices.device.BaseDevice method), 8 | destroy() (raspy.common.kvcliapi.KvSubscriberClient method), 12 |
| cmd_poll() (raspy.common.devices.device.BaseDevice method), 8 | destroy() (raspy.common.mdcliapi.MajorDomoClient method), 13 |
| | |

| destroy() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 destroy() (raspy.servers.broker.Broker method), 17 | (raspy.servers.broker.Broker attribute), 17 |
|--|--|
| DevelopmentConfig (class in raspyweb.config), 29 DeviceRegister (class in raspy.common.devices.device), 9 | home() (in module raspyweb.app.ajax.views), 27 home() (in module raspyweb.app.views), 27 |
| devices() (in module raspyweb.app.ajax.views), 27 dispatch() (raspy.servers.broker.Broker method), 17 do_poll() (raspy.common.devices.device.BaseDevice method), 8 dump() (in module raspy.common.zhelpers), 16 dump() (raspy.common.kvsimple.KVMsg method), 13 E entries (raspy.servers.core.Scenario attribute), 20 | identity (raspy.servers.broker.Worker attribute), 19 importCode() (in module raspy.common.dynamic), 11 info (raspy.common.devices.device.Command attribute), 9 install_secret_key() (in module raspyweb.app), 28 INTERNAL_SERVICE_PREFIX |
| exec_cmd() (raspy.common.devices.device.BaseDevice method), 8 | J |
| Executive (class in raspy.common.executive), 11 ExecutiveProcess (class in raspy.common.executive), 11 | jobs (raspy.servers.core.CronManager attribute), 20 json (raspy.common.devices.device.BaseDevice at- tribute), 8 |
| expect_reply (raspy.common.mdwrkapi.MajorDomoWorattribute), 14 | Ker K |
| expiry (raspy.servers.broker.Worker attribute), 19 | key (raspy.common.kvsimple.KVMsg attribute), 13 KVMsg (class in raspy.common.kvsimple), 12 |
| Fake (class in raspy.servers.fake), 21 | KvPublisherClient (class in raspy.common.kvcliapi), |
| fire() (raspy.servers.core.Scenario method), 20 from_json() (raspy.common.devices.device.Command method), 9 | KvSubscriberClient (class in raspy.common.kvcliapi), 12 |
| fullname() (raspy.common.devices.device.BaseDevice | L |
| method), 8 | list() (raspy.servers.core.ScenarioManager method), 20 list_keys() (raspy.servers.core.ScenarioManager method), 21 |
| GenericError, 11 | liveness (raspy.common.mdwrkapi.MajorDomoWorker |
| get_instance_id() (raspy.common.executive.Executive method), 11 | attribute), 14 load() (raspy.servers.core.Scenario method), 20 |
| get_instance_id() (raspy.common.supervisor.Supervisor method), 16 | load() (raspy.servers.core.ScenarioManager method), 21 |
| Graph (class in raspy.servers.logger), 22 graphes (raspy.servers.logger.Logger attribute), 22 | log (raspy.common.devices.device.BaseDevice attribute), 8 |
| Н | log() (raspy.servers.logger.CompressedFile method), 21 Logger (class in raspy.servers.logger), 22 |
| handle() (raspy.servers.logger.ThreadedTCPRequestHandmethod), 23 | llogger (in module raspy.common.MDP), 11 logger (raspy.servers.logger.ThreadedTCPServer attribute), 23 |
| heartbeat (raspy.common.mdwrkapi.MajorDomoWorker attribute), 14 | |
| heartbeat_at (raspy.common.mdwrkapi.MajorDomoWork attribute), 14 | main() (in module raspyweb.run), 29 |
| heartbeat_at (raspy.servers.broker.Broker attribute), 17 HEARTBEAT_EXPIRY (raspy.servers.broker.Broker | MajorDomoClient (class in raspy.common.mdcliapi), 13 |
| attribute), 17 | MajorDomoWorker (class in raspy.common.mdwrkapi), 14 |
| HEARTBEAT_INTERVAL (raspy.servers.broker.Broker attribute), 17 | MediaCamera (class in raspy.common.devices.media), |
| HEARTBEAT_LIVENESS | |
| (raspy.common.mdwrkapi.MajorDomoWorker | MediaDevice (class in raspy.common.devices.media), |

| name (raspy.common.devices.device.BaseDevice atribute), 8 name (raspy.servers.broker.Service attribute), 19 new() (raspy.common.devices.device.BaseDevice method), 8 new() (raspy.common.devices.media.MediaCamera method), 9 new() (raspy.common.devices.media.MediaTv method), 10 new() (raspy.common.devices.media.MediaTv method), 10 new() (raspy.common.devices.media.MediaTv method), 10 new() (raspy.common.devices.media.MediaTv method), 10 new() (raspy.common.devices.mesorSensorTemperature method), 10 new() (raspy.common.devices.sensor.SensorTemperature method), 10 not_found() (in module raspyweb.app.views), 27 O oid (raspy.common.devices.device.BaseDevice attribute), 10 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.com | N | raspy.common.devices.sensor (module), 10 |
|--|--|--|
| ribute), 8 new() (raspy.common.devices.device.BaseDevice method), 9 new() (raspy.common.devices.device.DeviceRegister method), 9 new() (raspy.common.devices.media.MediaTV method), 10 new() (raspy.common.devices.media.MediaTV method), 10 new() (raspy.common.devices.sensor.SensorTemperature method), 10 new() (raspy.common.devices.sensor.SensorTemperature method), 10 not_[ound() (in module raspyweb.app.views), 27 O | name (raspy.common.devices.device.BaseDevice at- | raspy.common.dynamic (module), 11 |
| name (raspy.common.devices.device.Base Device method), 8 mew() (raspy.common.devices.device.Base Device method), 9 mew() (raspy.common.devices.media.MediaCamera method), 10 mew() (raspy.common.devices.media.MediaTv method), 10 mew() (raspy.common.devices.sensor.SensorTemperature method), 10 mew() (raspy.common.devices.sensor.SensorTemperature method), 10 mew() (raspy.common.devices.sensor.SensorTemperature method), 10 method), 10 method), 10 method, 10 module raspyweb.app.views), 27 module, 25 raspy.common.devices.media.MediaCamera attribute), 10 module raspy.common.devices.sensor.SensorTemperature attribute), 10 module raspy.common.devices.sensor.SensorTemperature attribute), 10 module raspy.common.devices.sensor.SensorTemperature attribute), 10 module raspy.common.devices.sensor.SensorTemperature attribute), 10 module raspy.common.devices.sensor.SensorSensorTemperature attribute), 10 module raspy.servers.boges.CompressedFile method), 12 raspy.common.devices.sensor.SensorSensorTemperature attribute), 10 module, 22 raspy.sensor.gommon.devices.sensor.SensorSensorTemperature attribute), 10 raspy.common.devices.sensor.SensorSensorTemperature attribute), 10 raspy.common.devices.sensor.SensorSensorTemperature | · · · · · · · · · · · · · · · · · · · | raspy.common.executive (module), 11 |
| new() (raspy.common.devices.device.DeviceRegister method), 9 new() (raspy.common.devices.media.MediaCamera method), 10 new() (raspy.common.devices.media.MediaCamera method), 10 new() (raspy.common.devices.sensor.Sensor/Emperature method), 10 new() (raspy.common.devices.sensor.Sensor/Emperature method), 10 new() (raspy.common.devices.sensor.Sensor/Emperature method), 10 not_found() (in module raspyweb.app.views), 27 Od (raspy.common.devices.device.BaseDevice tribute), 13 oid (raspy.common.devices.media.MediaCamera attribute), 10 one-Wire (class in raspy.servers.ors | | raspy.common.kvcliapi (module), 12 |
| method), 8 new() (raspy.common.devices.device.DeviceRegister method), 9 new() (raspy.common.devices.media.MediaCamera method), 10 new() (raspy.common.devices.sensorSensorTemperature method), 10 new() (raspy.common.devices.sensorSensorWind method), 10 not_Gound() (in module raspyweb.app.views), 27 Ooid (raspy.common.devices.device.BaseDevice tribute), 8 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.sensorSensorDevice attribute), 10 oid (raspy.common.devices.sensorSensorDevice attribute), 10 oid (raspy.common.devices.sensorSensorDevice attribute), 10 oid (raspy.common.devices.sensorSensorWind attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 procuss_client() (raspy.servers.broker.Broker method), | | raspy.common.kvsimple (module), 12 |
| new() (raspy.common.devices.media.MediaCamera method), 19 new() (raspy.common.devices.media.MediaCamera method), 10 new() (raspy.common.devices.sensorSensorTemperatura method), 10 new() (raspy.common.devices.sensorSensorWind method), 10 not_found() (in module raspy.web.app.views), 27 oid (raspy.common.devices.media.MediaCamera tribute), 10 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.sensor.SensorDevica attribute), 10 oid (raspy.common.devices.sensor.SensorTemperatura attribute), 10 oid (raspy.common.devices.device.BaseDevice tribute), 17 process_elicient() (raspy.servers.broker.Broker method), 18 production.Config (class in raspy.servers.broker.Broker method), 18 process_worker() | | raspy.common.mdcliapi (module), 13 |
| method), 9 new() (raspy.common.devices.media.MediaCameria method), 10 new() (raspy.common.devices.sensor/Sensor/Temperatura method), 10 new() (raspy.common.devices.sensor/Sensor/Windmethod), 10 not_found() (in module raspyweb.app.views), 27 O id (raspy.common.devices.media.MediaCameria tribute), 10 oid (raspy.common.devices.media.MediaCameria attribute), 10 oid (raspy.common.devices.media.MediaCameria attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor/Sensor/Device attribute), 10 oid (raspy.common.devices.device.BaseDevice attribute), 17 pocess_client() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 18 Produ | | raspy.common.MDP (module), 11 |
| new() (raspy.common.devices.media.MediaTurmethod), 10 new() (raspy.common.devices.sensor.SensorVind method), 10 not found() (in module raspyweb.app.views), 27 O id (raspy.common.devices.media.MediaTurmethod), 10 not found() (in module raspyweb.app.views), 27 O id (raspy.common.devices.device.BaseDevice attribute), 10 oid (raspy.common.devices.media.MediaCumratattribute), 10 oid (raspy.common.devices.media.MediaCumratattribute), 10 oid (raspy.common.devices.media.MediaCumratattribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 10 orapy.common.devices.device.BaseDevice attribute), 10 orapy.common.devices.device.BaseDevice attribute), 17 process_client() (raspy.servers.broker, 18 process_worker() (raspy.servers.broker, 18 process_worker() (raspy.servers.broker, 18 process_worker() (raspy.common.devices.device.Base | | raspy.common.mdwrkapi (module), 14 |
| method), 9 new() (raspy.common.devices.media.MediaTVV method), 10 new() (raspy.common.devices.sensor.Sensor/Emperature method), 10 not_found() (in module raspyweb.app.views), 27 O oid (raspy.common.devices.media.MediaCameraturbute), 10 oid (raspy.common.devices.media.MediaCameraturbute), 10 oid (raspy.common.devices.media.MediaCameraturbute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.Sensor/Emperature attribute), 10 oid (raspy.common.devices.sensor.Sensor/Emperature attribute), 10 oid (raspy.common.devices.sensor.Sensor/Wind attribute), 10 oid (raspy.common.devices.sensor.Sensor/Wind attribute), 10 oid (raspy.common.devices.sensor.Sensor/Wind attribute), 10 oid (raspy.common.devices.sensor.Sensor/Wind attribute), 10 poller (raspy.common.devices.device.BaseDevice attribute), 12 poller (raspy.common.devices.device.BaseDevice attribute), 13 poller (raspy.common.medilapi.MajorDomoClient attribute), 12 poller (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Br | | raspy.common.server (module), 15 |
| raspy.common.devices.sensor.SensorTemperature method), 10 new() (raspy.common.devices.sensor.SensorSensorWind method), 10 not_found() (in module raspyweb.app.views), 27 oid (raspy.common.devices.device.BaseDevice atribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 13 popenlic (raspy.servers.loger.CompressedFile method), 13 reconsect_classin_raspy.servers.broker.Broker method), 18 reconsect_classin_raspy.servers.broker.Broker method), 18 reconsect_classin_raspy.servers.broker.Broker method), 18 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 18 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 18 reconnect_to_broker() (raspy.common.supervisor.Supervisor.Supervisor.Supervisor.Supervisor.S | | raspy.common.statistics (module), 15 |
| method), 10 new() (raspy.common.devices.sensor.SensorTemperature method), 10 new() (raspy.common.devices.sensor.SensorWind method), 10 not_found() (in module raspyweb.app.views), 27 O Oid (raspy.common.devices.device.BaseDevice tribute), 8 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mediapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_worker | | raspy.common.supervisor (module), 16 |
| new() (raspy.common.devices.sensor.SensorTemperature method), 10 not found() (in module raspyweb.app.views), 27 O oid (raspy.common.devices.device.BaseDevice atribute), 10 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaDevice atribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorPemperature attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_client() (raspy.common.metholiapi.MajorDomoVorker method), 14 reconnect_to_broker() (raspy.common.metholiapi.MajorDomoVorker method), 14 re | · · · · · · · · · · · · · · · · · · · | raspy.common.zhelpers (module), 16 |
| method), 10 new() (raspy.common.devices.sensor.SensorWind method), 10 not_found() (in module raspyweb.app.views), 27 O oid (raspy.common.devices.device.BaseDevice attribute), 18 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorPerotautrattribute), 12 readonly (raspy.common.devices.device.DaseDevice attribute), 12 readonly (raspy.common.devices.device.Command attribute), 28 RECAPTCHA_OURILC_KEY (raspy.common.method), 13 reconnect_to_broker() (raspy.common.method), 13 reconnect_to_broker() (raspy.common.method), 14 reconnect_to_broker() (raspy.common.method), 14 reconnect_to_broker() (raspy.common.method), 14 reconnect_to_broker() (raspy.common.supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Supervisor.Su | | raspy.servers (module), 25 |
| new() (raspy.common.devices.sensor.SensorWind method), 10 not_found() (in module raspyweb.app.views), 27 O | | raspy.servers.broker (module), 17 |
| not_found() (in module raspyweb.app.views), 27 Oid (raspy.common.devices.device.BaseDevice at tribute), 8 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.device.SensorTemperature attribute), 10 oid (raspy.common.devices.device.SensorTemperature attribute), 10 oid (raspy.common.devices.device.SensorTemperature attribute), 10 oid (raspy.common.devices.device.SensorTemperature attribute), 10 oid (raspy.common.devices.device.BaseDevice attribute), 10 oid (raspy.common.devices.device.BaseDevice attribute), 13 poller (raspy.servers.broker.Broker method), 18 poller (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 proxy (class in raspyweb.config), 29 proxy (class in raspyweb.config), 29 proxy (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 proxy (class in raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 proxy (class in raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 pro | new() (raspy.common.devices.sensor.SensorWind | = - |
| oid (raspy.common.devices.device.BaseDevice attribute), 8 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.device.CompressedFile method), 21 readonly (raspy.common.devices.device.Command attribute), 28 RECAPTCHA_OPITIONS (raspyweb.config.Config attribute), 28 RECAPTCHA_USE_SSL (raspyweb.config.Config attribute), 28 RECAPTCHA_USE_SSL (raspyweb.config.Config attribute), 28 RECAPTCHA_USE_SSL (raspyweb.config.Config attribute), 13 reconnect_lo_broker() (raspy.common.mdchapi.MajorDomoVorker method), 13 reconnect_lo_broker() (raspy.common.mdwrkapi.MajorDomoVorker method), 14 recy() (raspy.common.devices.de | method), 10 | = - |
| O id (raspy.common.devices.device.BaseDevice atribute), 8 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind atribute), 10 oid (raspy.common.devices.device.BaseDevice atribute), 10 oid (raspy.common.devices.device.BaseDevice atribute), 12 poller (raspy.servers.broker.Broker method), 13 poller (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 proxy (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.common.medurice), 17 raspy.common.devices (module), 17 raspy.common.devices device (module), 17 r | not_found() (in module raspyweb.app.views), 27 | |
| oid (raspy.common.devices.device.BaseDevice at tribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.device.BaseDevice attribute), 13 poller (raspy.common.devices.device.BaseDevice attribute), 13 poller (raspy.common.mediapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_dient() (raspy.servers.broker.Broker method), 18 procuspy.common.devices.device.Broker method), 19 procuspy.common.devices.device.Broker method), 19 procuspy.common.devices.device.Broker method), 19 procuspy.common.de | - | ± 7 |
| risply.common.devices.device.BaseDevice at tribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorFemperature attribute), 10 oid (raspy.common.devices.sensor.SensorFemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorFemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorFemperature attribute), 10 oid (raspy.common.devices.sensor.SensorFemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 readonly (raspy.common.devices.device.Command attribute), 28 RECAPTCHA_OPTIONS (raspyweb.config.Config attribute), 28 RECAPTCHA_USE_SSI. (raspyweb.config.Config attribute), 28 RECAPTCHA_USE_SSI. (raspy.common.mdwrkapi.MajorDomoWorker attribute), 14 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 13 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mon.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mon.mon.molaribate), 12 reconnect_to_broker() (raspy.common.mon.molaribate), 13 reconnect_to_broker() (raspy.common.mon.molaribate), 14 reconnect_t | 0 | |
| tribute), 8 oid (raspy.common.devices.media.MediaCamera attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 oid (raspy.common.devices | oid (raspy.common.devices.device.BaseDevice at- | ** |
| oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.onewire), 23 open() (raspy.common.devices.device.BaseDevice attribute), 9 poller (raspy.common.mediapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker method), 18 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 14 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 16 readonly (raspy.common.devices.device) readon | ` 10 | ± • · · · · · · · · · · · · · · · · · · |
| attribute), 10 id (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 12 readonly (raspy.common.devices.device.Command attribute), 28 RECAPTCHA_PRIVATE_KEY (raspy-web.config.Config attribute), 28 RECAPTCHA_PRIVATE_KEY (raspy-web.config.Config attribute), 28 RECAPTCHA_USE_SSL (raspyweb.config.Config attribute), 12 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker attribute), 14 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 13 recv() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 recipied_0, 14 recipied_0, 14 recipied_0, 14 recipied_0, 14 recipied_0, 15 raspy.common.devices.device(module), 17 raspy.common.mdvrkapi.MajorDomoWorker method), 14 recipied_0, 14 recipied_0, 15 | | |
| oid (raspy.common.devices.media.MediaDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P P P P P Poll (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 19 poller (raspy.common.devices.device.BaseDevice attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 18 Provy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.devices.device.DeviceRegister method), 14 register() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | 1. 11 0 |
| attribute), 10 oid (raspy.common.devices.media.MediaTV attribute), 10 oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P poll (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mon.devices.device.BaseDevice tribute), 9 poller (raspy.common.mon.devices.device.BaseDevice tribute), 9 poller (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mon.devices.device.BaseDevice tribute), 9 poller (raspy.common.mon.devices.device.BaseDevice tribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_client() (raspy.common.devices.device.DeviceRegister method), 14 process_client() (raspy.common.devices.device.DeviceRegister method), 16 process_client() (raspy.common.devices.device.DeviceRegister method), 16 process_client() (raspy.common.devices.device.DeviceRegister m | | |
| oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 readonly (raspy.common.devices.device.BaseDevice tribute), 9 polle (raspy.common.modevices.device.BaseDevice tribute), 9 poller (raspy.common.modevices.device.BaseDevice tribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 proxy (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 proge_workers() (raspy.servers.broker.Broker method), 18 proge_workers() (raspy.servers.broker.Broker method), 18 proge_workers() (raspy.servers.broker.Broker method), 18 proge_workers() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 produc | | |
| oid (raspy.common.devices.sensor.SensorDevice attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind tribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P poll (raspy.common.devices.device.BaseDevice tribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspyservers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspyservers.broker.Broker method), 18 ProductionConfig (class in raspyyseb.config), 29 Proxy (class in raspyservers.broker.Broker method), 18 ProductionConfig (class in raspyseb.config), 29 Proxy (class in raspyservers.broker.Broker method), 18 ProductionConfig (class in raspyseb.config), 29 Proxy (class in raspyservers.broker.Broker method), 18 ProductionConfig (class in raspysecommon.method), 14 recv() (raspy.common.method), 14 recv() (raspy.common.method), 14 recv() (raspy.common.method), 14 register() (raspy.common.method), 14 register() (raspy.common.method), 16 remove_statistic() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| attribute), 10 oid (raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.noewire), 23 open() (raspy.common.devices.device.BaseDevice attribute), 13 poller (raspy.common.modeliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker method), 18 process_client() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 proge_workers() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices.device (module), 11 raspy.common.devices.device (module), 7 raspy.common.mon.devices.device (module), 7 raspy.common.mon.devices.device (module), 7 | | |
| raspy.common.devices.sensor.SensorTemperature attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.logger.CompressedFile method), 21 Poll (raspy.common.devices.device.BaseDevice attribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyseb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 14 recv() (raspy.common.kvsimple.KVMsg class method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDo | oid (raspy.common.devices.sensor.SensorDevice | |
| old (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.common.devices.device.BaseDevice attribute), 9 poll (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.devices.device.DeviceRegister method), 14 register() (raspy.common.supervisor.Supervisor method), 15 readolly (raspy.common.mdvrkapi.MajorDomoWorker method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.supervisor.Sup | attribute), 10 | = - |
| attribute), 10 oid (raspy.common.devices.sensor.SensorWind attribute), 10 OneWire (class in raspy.servers.logger.CompressedFile method), 21 Poll (raspy.common.devices.device.BaseDevice attribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 readonly (raspy.common.mdevices.device.Command attribute), 28 RECAPTCHA_PUBLIC_KEY (raspy.common.mdvrkapi.MajorDomoWorker method), 13 reconnect_to_broker() (raspy.common.mdvrkapi.MajorDomoWorker method), 14 re | oid (raspy.common.devices.sensor.SensorTemperature | ± 7 |
| readonly (raspy.common.devices.sensor.Sensorwind tribute), 10 OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P poll (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker.Broker method), 18 R R R R R R R R R R R R R | | |
| OneWire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P poll (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() | | |
| Onewire (class in raspy.servers.onewire), 23 open() (raspy.servers.logger.CompressedFile method), 21 P poll (raspy.common.devices.device.BaseDevice attribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 productionConfig (class in raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker.Broker method), 18 purge_workers() (raspy.servers.broker.Broker method), 18 purge_workers() (raspy.servers.broker.Broker method), 18 purge_workers() (raspy.servers.broker.Broker method), 18 purge_workers() (raspy.servers.broker.Broker method), 14 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 r | | |
| tribute), 28 RECAPTCHA_PRIVATE_KEY (raspy-web.config.Config attribute), 28 reconnect (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 R R R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| RECAPTCHA_PRIVATE_KEY (raspy- web.config.Config attribute), 28 RECAPTCHA_PUBLIC_KEY (raspy- web.config.Config attribute), 28 RECAPTCHA_PUBLIC_KEY (raspy- web.config.Config attribute), 28 RECAPTCHA_PUBLIC_KEY (raspy- web.config.Config attribute), 28 RECAPTCHA_USE_SSL (raspyweb.config.Config at- tribute), 14 reconnect to_broker() (raspy.common.mdwrkapi.MajorDomoVorker method), 14 recv() (raspy.common.kvsimple.KVMsg class method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 | | |
| Poll (raspy.common.devices.device.BaseDevice attribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspy.servers.broker), 18 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 pu | 21 | |
| poll (raspy.common.devices.device.BaseDevice tribute), 9 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 17 raspy.common.devices (module), 17 raspy.common.devices.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device.device (module), 7 respy.common.devices.device (module), 7 respy.common.devices.device.device (module), 7 respy.common.devices.device (module), 7 | D | |
| web.config.Config attribute), 28 poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() | | |
| poller (raspy.common.mdcliapi.MajorDomoClient attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 19 prosect_to_broker() (raspy.servers.broker() (raspy.servers.broker() (raspy.servers.broker() (raspy.servers.broker() (raspy.servers.broker() (raspy.servers.broker() (raspy.servers.b | | |
| tribute), 13 poller (raspy.common.mdchaph.MajorDomoChent attribute), 13 poller (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices (device (module), 7 remove_statistic() (raspy.common.statistics.Statistics method), 15 reconnect (raspy.common.mdwrkapi.MajorDomoWorker method), 13 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.kvsimple.KVMsg class method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| reconnect (raspy.common.mdwrkapi.MajorDomoWorker attribute), 14 process_client() (raspy.servers.broker.Broker method), 18 process_worker() | | |
| ponier (raspy.servers.broker.Broker attribute), 17 process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 14 recv() (raspy.common.kvsimple.KVMsg class method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| process_client() (raspy.servers.broker.Broker method), 18 process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 17 raspy.common.devices (module), 17 raspy.common.devices (module), 17 raspy.common.devices (module), 7 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | e · · · · · · · · · · · · · · · · · · · | |
| process_worker() (raspy.servers.broker.Broker method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker), 18 productionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | - · · · · · · · · · · · · · · · · · · · | |
| method), 18 ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics | | |
| ProductionConfig (class in raspyweb.config), 29 Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 17 raspy.common.devices.device (module), 7 method), 14 recv() (raspy.common.kvsimple.KVMsg class method), 13 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method) 15 | 1 - " ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | reconnect_to_broker() (raspy.common.mdwrkapi.MajorDomoWorker |
| Proxy (class in raspy.servers.broker), 18 purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 recv() (raspy.common.mdwrkapi.MajorDomoWorker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| purge_workers() (raspy.servers.broker.Broker method), 18 R raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 | | recv() (raspy.common.kvsimple.KVMsg class method), |
| R respy (module), 25 raspy.common.devices (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 7 recv() (raspy.common.mdwrkapi.MajorDomo worker method), 14 register() (raspy.common.devices.device.DeviceRegister method), 9 reload() (raspy.common.supervisor.Supervisor method), 16 remove_statistic() (raspy.common.statistics.Statistics | | 13 |
| raspy (module), 25 raspy.common.devices (module), 17 raspy.common.devices (module), 11 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | recv() (raspy.common.mdwrkapi.MajorDomoWorker |
| raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | 10 | |
| raspy (module), 25 raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | R | |
| raspy.common (module), 17 raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 method), 16 remove_statistic() (raspy.common.statistics.Statistics method), 15 | | |
| raspy.common.devices (module), 11 raspy.common.devices.device (module), 7 remove_statistic() (raspy.common.statistics.Statistics method), 15 | = - | |
| raspy.common.devices.device (module), 7 | | |
| | | The state of the s |
| | raspy.common.devices.media (module), 9 | method), 15 |

| reply_filename() (raspy.servers.titanic.Titanic method), | SensorTemperature (class in |
|---|--|
| 24 | raspy.common.devices.sensor), 10 |
| reply_to (raspy.common.mdwrkapi.MajorDomoWorker attribute), 14 | SensorWind (class in raspy.common.devices.sensor), 10 |
| request() (raspy.common.mdcliapi.TitanicClient method), 13 | sequence (raspy.common.kvsimple.KVMsg attribute), 13 |
| request_filename() (raspy.servers.titanic.Titanic method), 24 | Server (class in raspy.common.server), 15 ServerError, 11 |
| requests (raspy.servers.broker.Service attribute), 19 | Service (class in raspy.servers.broker), 19 |
| requests() (in module raspyweb.app.views), 27 | service (raspy.common.mdwrkapi.MajorDomoWorker |
| require_service() (raspy.servers.broker.Broker method), | attribute), 14 |
| 18 | service (raspy.servers.broker.Worker attribute), 19 |
| require_worker() (raspy.servers.broker.Broker method), 18 | service_internal() (raspy.servers.broker.Broker method), 18 |
| retries (raspy.common.mdcliapi.MajorDomoClient attribute), 13 | service_success() (raspy.servers.titanic.Titanic method), 24 |
| rotate() (raspy.servers.logger.CompressedFile method), 21 | services (raspy.servers.broker.Broker attribute), 18 set() (raspy.common.statistics.SNMP method), 15 |
| Route (class in raspy.servers.broker), 18 | set() (raspy.common.statistics.SNMPCounter method), |
| routing_key() (in module raspy.common.MDP), 11 | 15 |
| run() (raspy.common.executive.Executive method), 11 | set_id() (in module raspy.common.zhelpers), 16 |
| run() (raspy.common.executive.ExecutiveProcess | shutdown() (raspy.common.executive.Executive |
| method), 11 | method), 11 |
| run() (raspy.common.kvcliapi.KvSubscriberClient method), 12 | shutdown() (raspy.common.executive.ExecutiveProcess method), 11 |
| run() (raspy.common.mdcliapi.TitanicClient method), 14 | shutdown() (raspy.common.kvcliapi.KvSubscriberClient method), 12 |
| run() (raspy.common.supervisor.Supervisor method), 16 | shutdown() (raspy.common.mdcliapi.TitanicClient method), 14 |
| run() (raspy.servers.broker.Broker method), 18 run() (raspy.servers.broker.Proxy method), 18 | shutdown() (raspy.common.mdwrkapi.MajorDomoWorke method), 14 |
| run() (raspy.servers.core.Scenario method), 20 | shutdown() (raspy.common.supervisor.Supervisor |
| run() (raspy.servers.sync.Sync method), 24 | method), 16 |
| run() (raspy.servers.titanic.Titanic method), 24 | shutdown() (raspy.servers.broker.Broker method), 18 |
| running (raspy.servers.core.Scenario attribute), 20 | shutdown() (raspy.servers.broker.Proxy method), 18 |
| S | shutdown() (raspy.servers.core.Scenario method), 20 |
| | shutdown() (raspy.servers.core.ScenarioManager method), 21 |
| Scenario (class in raspy.servers.core), 20 | shutdown() (raspy.servers.logger.Logger method), 22 |
| ScenarioManager (class in raspy.servers.core), 20 | SNMP (class in raspy.common.statistics), 15 |
| scenarios (raspy.servers.core.ScenarioManager at- | SNMPCounter (class in raspy.common.statistics), 15 |
| tribute), 21 SECRET_KEY (raspyweb.config.Config attribute), 28 | SNMPFloat (class in raspy.common.statistics), 15 |
| send() (raspy.common.kvcliapi.KvPublisherClient | SNMPString (class in raspy.common.statistics), 15 |
| method), 12 | socket (raspy.servers.broker.Broker attribute), 18 |
| send() (raspy.common.kvsimple.KVMsg method), 13 | Statistics (class in raspy.common.statistics), 15 |
| send() (raspy.common.mdcliapi.MajorDomoClient | status (raspy.common.mdwrkapi.MajorDomoWorker |
| method), 13 | attribute), 14 |
| send() (raspy.common.mdcliapi.TitanicClient method), | status() (raspy.common.mdcliapi.TitanicClient method), 14 |
| send_heartbeats() (raspy.servers.broker.Broker method), 18 | stop_executives() (raspy.common.supervisor.Supervisor method), 16 |
| send_single() (raspy.servers.broker.Proxy method), 18 | store() (raspy.common.kvsimple.KVMsg method), 13 |
| send_to_broker() (raspy.common.mdwrkapi.MajorDomo | (raspy.servers.core.Scenario method), 20 |
| method), 14 | store() (raspy.servers.core.ScenarioManager method), |
| send_to_worker() (raspy.servers.broker.Broker | 21 |
| method), 18 | store_filename() (raspy.servers.titanic.Titanic method), |
| SensorDevice (class in raspy.common.devices.sensor), | 24 |
| 10 | subdevices (raspy.common.devices.device.BaseDevice |

| attribute), 9 | worker_cron() (raspy.servers.core.Core method), 19 |
|--|---|
| Supervisor (class in raspy.common.supervisor), 16 | worker_devices() (raspy.servers.fake.Fake method), 21 |
| Sync (class in raspy.servers.sync), 24 | worker_devices() (raspy.servers.onewire.OneWire |
| _ | method), 23 |
| T | worker_graph() (raspy.servers.logger.Logger method), |
| template (raspy.common.devices.device.BaseDevice at- | 22 |
| tribute), 9 | worker_log() (raspy.servers.logger.Logger method), 22 |
| | worker_mmi() (raspy.common.server.Server method), |
| templates (raspy.common.devices.device.BaseDevice | 15 |
| attribute), 9 | |
| TESTING (raspyweb.config.Config attribute), 28 | worker_scenario() (raspy.servers.core.Core method), 19 |
| TESTING (raspyweb.config.DevelopmentConfig attribute), 29 | worker_scenarios() (raspy.servers.core.Core method), |
| TESTING (raspyweb.config.TestingConfig attribute), | worker_statistics() (raspy.common.statistics.Statistics |
| 29 | method), 15 |
| TestingConfig (class in raspyweb.config), 29 | worker_sync() (raspy.servers.sync.Sync method), 24 |
| ThreadedTCPRequestHandler (class in | worker_waiting() (raspy.servers.broker.Broker |
| raspy.servers.logger), 23 | method), 18 |
| ThreadedTCPServer (class in raspy.servers.logger), 23 | workers (raspy.servers.broker.Broker attribute), 18 |
| THREADS_PER_PAGE (raspyweb.config.Config at- | writeonly (raspy.common.devices.device.Command at- |
| tribute), 28 | tribute), 9 |
| timeout (raspy.common.mdcliapi.MajorDomoClient at- | 7 |
| tribute), 13 | Z |
| $time out \ (raspy.common.mdwrkapi.Major Domo Worker$ | zpipe() (in module raspy.common.zhelpers), 16 |
| attribute), 14 | |
| Titanic (class in raspy.servers.titanic), 24 | |
| titanic_close() (raspy.servers.titanic.Titanic method), | |
| 24 | |
| titanic_reply() (raspy.servers.titanic.Titanic method), | |
| 24 | |
| titanic_request() (raspy.servers.titanic.Titanic method), 24 | |
| titanic_store() (raspy.servers.titanic.Titanic method), 24 | |
| TitanicClient (class in raspy.common.mdcliapi), 13 | |
| to_json() (raspy.common.devices.device.Command | |
| method), 9 | |
| | |
| type (raspy.common.devices.device.Command attribute), 9 | |
| 1.1 | |
| U | |
| update() (raspy.servers.core.ScenarioManager method), | |
| 21 | |
| update_statistic() (raspy.common.statistics.Statistics | |
| 1 - " ' ' ' ' | |
| method), 15 | |
| V | |
| | |
| value (raspy.common.devices.device.Command attribute), 9 | |
| verbose (raspy.common.mdcliapi.MajorDomoClient at- | |
| tribute), 13 | |
| verbose (raspy.common.mdwrkapi.MajorDomoWorker | |
| attribute), 15 | |
| • | |
| W | |
| waiting (raspy.servers.broker.Broker attribute), 18 | |
| | |
| waiting (raspy.servers.broker.Service attribute), 19 | |
| Worker (class in raspy.servers.broker), 19 | |
| worker (raspy.common.mdwrkapi.MajorDomoWorker | |

attribute), 15