
rodario Documentation

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A simple, redis-backed Python actor framework

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class rodario.registry.Registry
    Actor registry class (singleton wrapper)

    static __new__()
        Retrieve the singleton instance for Registry.

        Return type rodario.registry._Singleton

class rodario.registry._Singleton
    Singleton for actor registry

    __init__()
        Initialize the registry.

    actors()
        Retrieve a list of registered actors.

        Return type set

    exists(uuid)
        Test whether an actor exists in the registry.

        Parameters uuid (str) – UUID of the actor to check for

        Return type bool

    get_proxy(uuid)
        Return an ActorProxy for the given UUID.

        Parameters uuid (str) – The UUID to return a proxy object for

        Return type rodario.actors.ActorProxy

    register(uuid)
        Register a new actor.

        Parameters uuid (str) – The UUID of the actor to register

    unregister(uuid)
        Unregister an existing actor.

        Parameters uuid (str) – The UUID of the actor to unregister

class rodario.actors.Actor(uuid=None)
    Base Actor class

    __init__(uuid=None)
        Initialize the Actor object.

        Parameters uuid (str) – Optionally-provided UUID

    is_alive
        Return True if this Actor is still alive.

        Return type bool

    proxy()
        Wrap this Actor in an ActorProxy object.

        Return type rodario.actors.ActorProxy
```

start ()

Fire up the message handler thread.

stop ()

Kill the message handler thread.

class `rodario.actors.ActorProxy` (*actor=None, uuid=None*)

Proxy object that fires calls to an actor over redis pubsub

__init__ (*actor=None, uuid=None*)

Initialize instance of ActorProxy.

Accepts either an Actor object to clone or a UUID, but not both.

Parameters

- **actor** (`rodario.actors.Actor`) – Actor to clone
- **uuid** (*str*) – UUID of Actor to clone

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