python-docker-machine Documentation

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CHAPTER 1

Introduction

This is python-docker-machine, a trin wrapper around docker-machine.

CHAPTER 2

installation

From the source folder:

```
$ python setup.py install
```

or from pypi:

```
$ pip install python-docker-machine
```

CHAPTER 3

Usage

class machine.machine.**Machine**(*path='docker-machine'*)

active()
Print which machine is active

Returns a list of machines that are active

Return type List[str]

config(*machine='default'*)
Returns the docker configuration for the given machine.

Parameters **machine** – The machine name

Returns base_url, tls

Return type dict

create(*name*, *driver='virtualbox'*, *blocking=True*)
Create a docker machine using the provided name and driver NOTE: This takes a looooooong time

Parameters

- **name** (*str*) – the name to give to the machine (must be unique)
- **driver** – the driver to use to create the machine
- **blocking** (*bool*) – should wait for completion before exiting

Returns error code from the run

Return type int

env(*machine='default'*)
Get the environment variables to configure docker to connect to the specified docker machine.

Parameters **machine** (*str*) – the name of the machine

Returns A set of environment variables

Return type str

exists(*machine='default'*)
Checks if machine exists.

Parameters **machine** (*str*) – name of the machine

Returns bool

inspect(*machine='default'*)
Inspect information about a machine.

Parameters **machine** (*str*) – the name of the machine

Returns A nested dicht with inspect information about the machine.

Return type dict

ip(*machine='default'*)
Get the IP address of a machine.

Parameters **machine** (*str*) – the name of the machine

Returns the IP address of a machine.

Return type str

kill(*machine='default'*)
Kill a machine

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

ls()
List machines.

Returns of machines

Return type list

provision(*machine='default'*)
Provision the specified machine.

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

regenerate_certs(*machine='default'*)
Regenerate certificats for the specified machine.

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

restart(*machine='default'*)
Restart a machine

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

rm(*machine='default'*, *force=False*)
Remove the specified machine.

Parameters

- **machine** (*str*) – the name of the machine
- **force** (*bool*) – Remove local configuration even if machine cannot be removed

Returns True if successful

Return type bool

scp(*source*, *destination*, *recursive=False*)
Copy files between machines

Parameters

- **source** (*str*) – [machine:][path]
- **destination** (*str*) – [machine:][path]
- **recursive** (*bool*) – Copy files recursively (required to copy directories)

Returns output of the scp command

Return type List[str}

ssh(*machine*, *cmd*)
Run a command on a machine through docker-machine ssh

Parameters

- **machine** (*str*) – machine name
- **cmd** (*str*) – command to run

Returns output of the ssh command

Return type List[str]

start(*machine='default'*)
Start the specified machine.

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

status(*machine='default'*)
Get the status for the machine.

Parameters **machine** (*str*) – the name of the machine

Returns status of machine

Return type bool

stop(*machine='default'*)
Stop the specified machine.

Parameters **machine** (*str*) – the name of the machine

upgrade(*machine='default'*)
Upgrade a machine

Parameters **machine** (*str*) – the name of the machine

Returns True if successful

Return type bool

url(*machine='default'*)
Get the URL of a machine

Parameters **machine** (*str*) – the name of the machine

Returns the URL of a machine

Return type str

version()
Get the docker-machine binary version.

Returns the docker-machine binary version

Return type str

CHAPTER 4

Indices and tables

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