mist.ansible Documentation

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Mist.io Inc

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Contents

1 Installation **3**
1.1 Install using pip . . . 3
1.2 Clone from Github . . . 3

2 mist_providers - Lists all available providers supported by the mist.io service **5**
2.1 Synopsis . . . 5
2.2 Options . . . 5
2.3 Examples . . . 5

3 mist_backends - Manage backends in the mist.io service **7**
3.1 Synopsis . . . 7
3.2 Options . . . 7
3.3 Examples . . . 7

4 mist_keys - Manage ssh-keys from mist.io service **9**
4.1 Synopsis . . . 9
4.2 Options . . . 9
4.3 Examples . . . 9

5 mist_images - Lists all available OS images for a backend **11**
5.1 Synopsis . . . 11
5.2 Options . . . 11
5.3 Examples . . . 11

6 mist_locations - Lists all available locations/regions for a backend **13**
6.1 Synopsis . . . 13
6.2 Options . . . 13
6.3 Examples . . . 13

7 mist_sizes - Lists all available machine sizes for a backend **15**
7.1 Synopsis . . . 15
7.2 Options . . . 15
7.3 Examples . . . 15

8 mist - Provision, monitor and manage machines with the mist.io service **17**
8.1 Synopsis . . . 17
8.2 Options . . . 17
8.3 Examples . . . 17

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Author Mist.io Inc

Source https://github.com/mistio/mist.ansible

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Contents:

CHAPTER 1

Installation

Mist.ansible consists of custom modules for mist.io services. In order to use then you have to have `andsible` and `mist.client` packages installed.

1.1 Install using pip

This is the easiest way to obtain the mist ansible modules. What the package does is find where ansible is installed and patch the mist modules into the share folder of the package ansible:

```
pip install mist.ansible
```

1.2 Clone from Github

You can manually patch the mist modules into your installation of ansible. You have to find where the ansible share folder is and patch the modules:

```
git clone https://github.com/mistio/mist.ansible
cd mist.ansible
cp -r mist.modules /bin/ansible/share/
```

CHAPTER 2

mist_providers - Lists all available providers supported by the mist.io service

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

2.1 Synopsis

New in version 1.7.1.

Returns a list of all available providers that you can add and control through mist.io service *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

2.2 Options

Note: Requires mist.client

2.3 Examples

```
- name: List supported providers, simple case
  mist_providers:
    mist_email: your@email.com
    mist_password: yourpassword
    provider: all
  register: providers

- name: List supported provider having ~/.mist config file present
  mist_providers:
    provider: all
  register: providers
```

```
- name: List only ec2 provider options
  mist_providers:
    mist_email: your@email.com
    mist_password: yourpassword
    provider: ec2
  register: providers
```

CHAPTER 3

mist_backends - Manage backends in the mist.io service

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

3.1 Synopsis

New in version 1.7.1.

Manage multi-cloud backends through mist.io service. You can add/remove multiple backends from multiple providers through mist.io service. Before you can provision, monitor etc machines through mist.io, you have to first add a backend to the mist.io service. Mist.io supports EC2, Rackspace, Openstack, Linode, Google Compute Engine, SoftLayer, Digital Ocean, Nephoscale, Bare metal servers, Docker containers, HP Cloud. *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

3.2 Options

Note: Requires mist.client

3.3 Examples

```
- name: Add NepshoScale backend
  mist_backends:
    mist_email: your@email.com
    mist_password: yourpassword
    name: NephoScale
    provider: nephoscale
    backend_key: 908dfjokjkma0hgj9809uj
    backend_secret: kjhf98y9lkj0909kj90
    state: present
```

```
- name: List information about DigitalOcean backend
  mist_backends:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: DigitalOcean
  register: backend
```

CHAPTER 4

mist_keys - Manage ssh-keys from mist.io service

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

4.1 Synopsis

New in version 1.7.1.

By uploading your SSH keys to mist.io you can access all your machines through mist.io, have a shell prompt from your browser and even let mist.io take care of enabling monitoring to your machines. You also can have mist.io run commands to your machines during provisiong or after an alert is triggered. *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

4.2 Options

Note: Requires mist.client

4.3 Examples

```
- name: Add local key named my_key to mist.io
  mist_keys:
    mist_email: your@email.com
    mist_password: yourpassword
    name: myKey
    state: present
    key: /home/user/.ssh/my_key

- name: Auto-generate key and save locally
  mist_keys:
    mist_email: your@email.com
```

```
    mist_password: yourpassword
    name: autoKey
    state: present
    auto_generate: true
    save_locally: true
    local_save_path: /path/to/save

- name: Delete key named myKey
  mist_keys:
    mist_email: your@email.com
    mist_password: yourpassword
    name: myKey
    state: absent

- name: List info for key named myKey
  mist_keys:
    mist_email: your@email.com
    mist_password: yourpassword
    name: myKey
  register: key
```

CHAPTER 5

mist_images - Lists all available OS images for a backend

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

5.1 Synopsis

New in version 1.7.1.

Returns a list of all available OS images that the given backend supports. *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

5.2 Options

Note: Requires mist.client

5.3 Examples

```
- name: List default images for NephoScale backend
  mist_images:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: NephoScale
  register: images

- name: Search for gentoo images in backend with id i984JHdkjhKj
  mist_images:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: i984JHdkjhKj
```

```
    search: gentoo
  register: images
```

CHAPTER 6

mist_locations - Lists all available locations/regions for a backend

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

6.1 Synopsis

New in version 1.7.1.

Returns a list of all available locations/regions for a given backend *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

6.2 Options

Note: Requires mist.client

6.3 Examples

```
- name: List locations for a backend
  mist_locations:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: DigitalOcean
  register: locations
```

CHAPTER 7

mist_sizes - Lists all available machine sizes for a backend

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

7.1 Synopsis

New in version 1.7.1.

Returns a list of all available machine sizes for a given backend *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

7.2 Options

Note: Requires mist.client

7.3 Examples

```
- name: List sizes for a backend
  mist_sizes:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: DigitalOcean
  register: sizes
```

CHAPTER 8

mist - Provision, monitor and manage machines with the mist.io service

Author Chris Loukas <commixon@gmail.com>

- Synopsis
- Options
- Examples

8.1 Synopsis

New in version 1.7.1.

Manage machines in all of your added backends You can add/remove multiple backends from multiple providers through mist.io service. *mist_email* and *mist_password* can be skipped if *~/.mist* config file is present. See mist.client documentation for config file http://mistclient.readthedocs.org/en/latest/cmd/cmd.html

8.2 Options

Note: Requires mist.client

8.3 Examples

```
- name: Provision Ubuntu machine to EC2
  mist:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: EC2
    state: present
    name: MyMachine
    image_id: ami-bddaa2bc
    size_id: m1.small
    location_id: 0
```

```
- name: Provision SUSE machine on EC2 and enable monitoring
  mist:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: EC2
    state: present
    name: MyMachine
    image_id: ami-9178e890
    size_id: m1.small
    location_id: 0
    monitoring: true
    wait_for_stats: true

- name: List info for machine with name dbServer
  mist:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: EC2
    name: dbServer
  register: machine
```