
mist.ansible Documentation

Release 0.1.7

Mist.io Inc

September 22, 2014

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

Version 0.1.7

Author Mist.io Inc

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

License GPL v3

Contents:

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/
```

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

Author Mist.io Inc

- [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
```

---

## mist\_backends - Manage backends in the mist.io service

---

**Author** Mist.io Inc

- [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
```

---

## mist\_keys - Manage ssh-keys from mist.io service

---

**Author** Mist.io Inc

- [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 provisioning 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
```

---

## mist\_images - Lists all available OS images for a backend

---

**Author** Mist.io Inc

- [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
```

mist_locations - Lists all available locations/regions for a backend

Author Mist.io Inc

- [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
```

mist_sizes - Lists all available machine sizes for a backend

Author Mist.io Inc

- [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
```

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

Author Mist.io Inc

- [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
    key: myKey
    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
    key: myKey
    image_id: ami-9178e890
    size_id: ml.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

- name: Enable monitoring and add custom plugin.py
  mist:
    mist_email: your@email.com
    mist_password: yourpassword
    backend: EC2
    name: dbServer
    state: present
    key: newKey
    wait: true
    monitoring: true
    wait_for_stats: true
    metric: MyPlugin
    python_file: /home/user/plugin.py
```