
automation-tools Documentation

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API Documentation

1.1 `fabfile`

Module which publish all automation-tools tasks

A set of tools to help automating virtual machines to install Foreman and test it using [Robottelo](#).

Installation

Install the following packages on your Operating System:

```
sudo yum -y install libxml-devel libxslt-devel
```

Also python packages listed in *requirements.txt* must be installed before automation-tools can be used:

```
pip install -r requirements.txt
```

Usage examples

3.1 Virtual Machine Management

To create a virtual machine will be needed a base image, to list all available base images:

```
fab -H root@example.com vm_list_base
```

Creating a virtual machine:

```
VM_RAM=512 VM_CPU=1 VM_DOMAIN=domain.example.com SOURCE_IMAGE=rhel7-base \  
TARGET_IMAGE=test01 fab -H root@example.com vm_create
```

Destroying a virtual machine:

```
fab -H root@example.com vm_destroy:test01,delete_image=True
```

Listing virtual machines:

```
fab -H root@example.com vm_list
```

3.2 Subscription Management

Subscribe:

```
RHN_USERNAME=user@example.com RHN_PASSWORD=mysecret \  
RHN_POOLID=poolid fab -H root@example.com subscribe
```

Unsubscribe:

```
fab -H root@example.com unsubscribe
```

3.3 Satellite Installation

To install a compose build:

```
RHN_USERNAME=user@example.com RHN_PASSWORD=mysecret \  
RHN_POOLID=poolid BASE_URL=http://example.com/Satellite/x86_64/os/ \  
fab -H root@example.com \  
product_install:satellite6-downstream
```

To install a nightly build:

```
RHN_USERNAME=user@example.com RHN_PASSWORD=mysecret \  
RHN_POOLID=poolid \  
fab -H root@example.com \  
product_install:satellite6-upstream
```

To install from the CDN:

```
RHN_USERNAME=user@example.com RHN_PASSWORD=mysecret \  
RHN_POOLID=poolid \  
fab -H root@example.com \  
product_install:satellite6-cdn
```

Product install task will set the admin password to *changeme*.

3.4 SAM Installation

To install a nightly build:

```
RHN_USERNAME=user@example.com RHN_PASSWORD=mysecret \  
RHN_POOLID=poolid \  
fab -H root@example.com \  
product_install:sam-upstream
```

Product install task will set the admin password to *changeme*.

3.5 Miscellaneous

Fabric will use your default ssh key, but if you want to specify a different one, use the *-i* option:

```
fab -i path/to/my_ssh_key task
```

3.6 Documentation

You can generate the documentation for automation-tools as follows, so long as you have [Sphinx](#) and `make` installed:

```
cd docs  
make html
```

f

fabfile, 1

F

fabfile (module), 1