

ubuntu 安装 ansible 图形界面 awx

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原文链接: <https://ld246.com/article/1594258876288>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)



一、准备条件

官方要求

1.1 软件

- docker
- ansible 2.8+
- openshift
- python 3.6+
- git 1.8.4+

1.2 硬件

- 至少4G内存
- 至少2核心CPU
- 至少20GB可用磁盘空间
- 运行Docker, openshift或者k8s

二、安装

- 安装docker

```
$ apt-get -y install docker.io
```

- 安装openshift

github-release

```
# 下载openshift客户端
$ wget --no-check-certificate https://github.com/openshift/origin/releases/download/v3.11.0
openshift-origin-client-tools-v3.11.0-0cbc58b-linux-64bit.tar.gz
# 解压
$ tar -zxvf openshift-origin-client-tools-v3.11.0-0cbc58b-linux-64bit.tar.gz
$ cd openshift-origin-client-tools-v3.11.0-0cbc58b-linux-64bit
$ cp oc /usr/bin
```

- 安装ansible

```
$ apt-get -y install ansible
```

- 安装Python3

```
$ apt-get -y install python3
```

- 安装pip3

```
apt-get -y install python3-pip
# pip3安装docker和docker-compose模块
pip3 install docker
pip3 install docker-compose
# 若ansible版本没有2.8, 则使用pip3进行升级
pip3 install --upgrade ansible
```

- 安装awx

github-release

```
# 下载安装包
$ wget --no-check-certificate https://github.com/ansible/awx/archive/13.0.0.zip
# 解压
$ unzip awx-13.0.0.zip
$ cd awx-13.0.0/installer
# 使用ansible-play安装awx
$ ansible-playbook -i inventory install.yml -e openshift_password=developer -e docker_regist
y_password=$(oc whoami -t)
```

注意:若安装过程中提示有任何关于docker模块的错误, 请使用以下命令之后再重新安装

```
# 卸载docker, docker-py, docke-compose模块
pip3 uninstall docker docker-py dcker-compose
# 重新安装
ansible-playbook -i inventory install.yml -e openshift_password=developer -e docker_registr
_password=$(oc whoami -t)
```

若在创建项目的过程中需要使用本地ansible目录时, 请在inventory文件中开启project_data_dir选
项, 默认项目目录为/var/lib/awx/projects

```
# AWX project data folder. If you need access to the location where AWX stores the projects
# it manages from the docker host, you can set this to turn it into a volume for the container.
project_data_dir=/var/lib/awx/projects
```

安装过程:

```

TASK [local_docker : Remove old data directory] *****
to: [localhost]
skipping: [localhost]

TASK [local_docker : Export Docker awx image if it isnt local and there isnt a registry defined] *****
skipping: [localhost]

TASK [local_docker : Set docker base path] *****
skipping: [localhost]

TASK [local_docker : Ensure directory exists] *****
skipping: [localhost]

TASK [local_docker : Copy awx image to docker execution] *****
skipping: [localhost]

TASK [local_docker : Load awx image] *****
skipping: [localhost]

TASK [local_docker : Set full image path for local install] *****
skipping: [localhost]

TASK [local_docker : Set DockerHub Image Paths] *****
to: [localhost]

TASK [local_docker : Create ~/.awx/compose directory] *****
to: [localhost]

TASK [local_docker : Create Redis socket directory] *****
to: [localhost]

TASK [local_docker : Create Docker Compose Configuration] *****
to: [localhost] => (item=credentials.py)
changed: [localhost] => (item=credentials.py)
to: [localhost] => (item=docker-compose.yml)
to: [localhost] => (item=entrypoint.conf)
changed: [localhost] => (item=redis.conf)

TASK [local_docker : Set redis config to other group readable to satisfy redis-server] *****
changed: [localhost]

TASK [local_docker : Render SECRET_KEY file] *****
to: [localhost]

TASK [local_docker : Start the containers] *****
changed: [localhost]

TASK [local_docker : Update CA trust in awx_web container] *****
changed: [localhost]

TASK [local_docker : Update CA trust in awx_task container] *****
changed: [localhost]

PLAY RECAP *****
localhost : ok=14  changed=5  unreachable=0  failed=0  skipped=56  rescued=0  ignored=0

```

由于awx默认占用80端口，故操作前确保80端口未被占用。

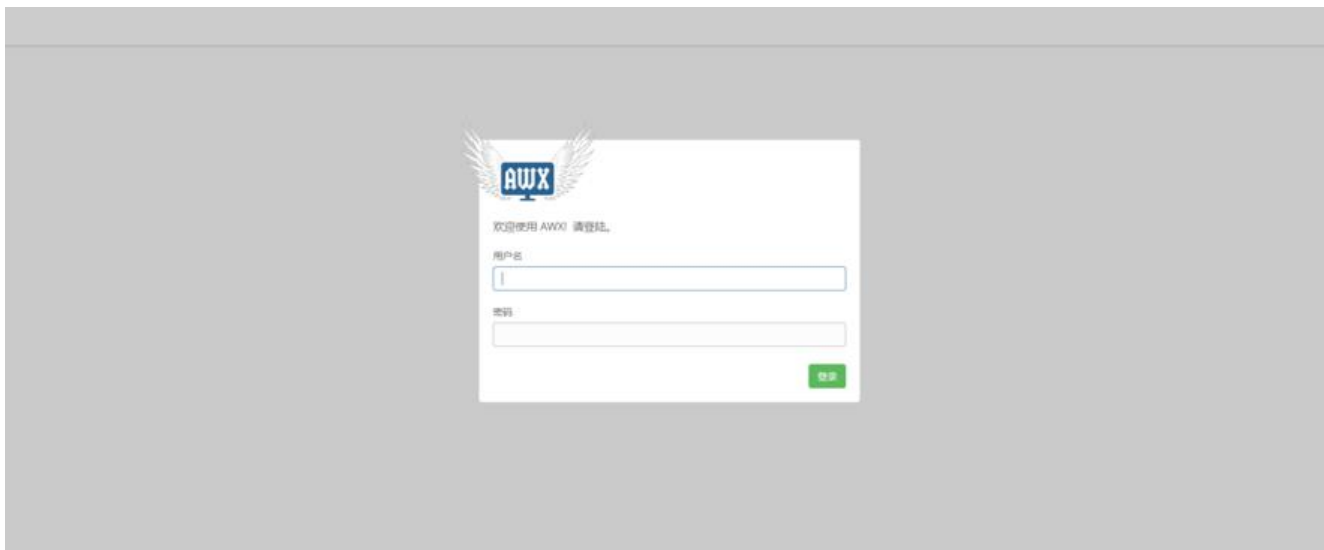
查看容器状态：

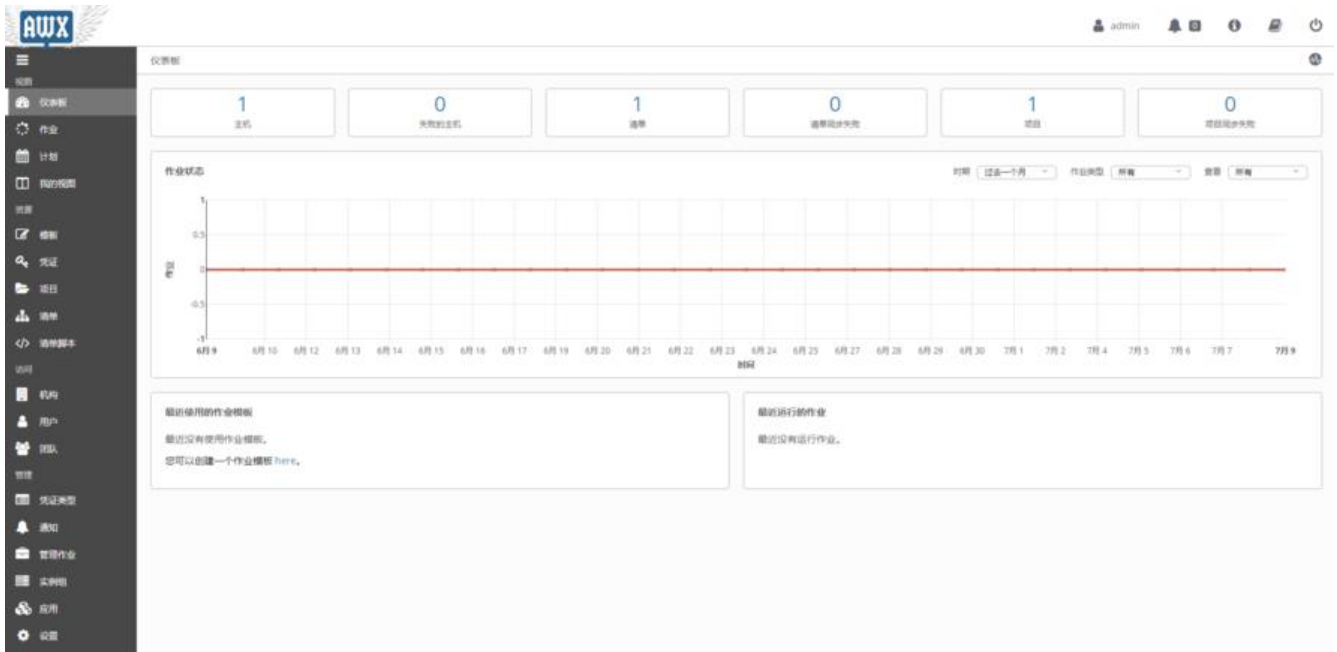
```

➔ installer docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
7578c4782566      ansible/awx:13.0.0 "tini -- /usr/bin/l..." 16 hours ago       Up 16 hours        8052/tcp            awx_task
466fe5f5755f      ansible/awx:13.0.0 "tini -- /bin/sh -c ..." 16 hours ago       Up 16 hours        0.0.0.0:80->8052/tcp awx_web
1d8a1248d137      postgres:10        "docker-entrypoint.s..." 16 hours ago       Up 16 hours        5432/tcp            awx_postgres
23837e45095c      redis               "docker-entrypoint.s..." 16 hours ago       Up 16 hours        6379/tcp            awx_redis

```

默认用户名：**admin**，密码：**password**





安装完成!

三、参考资料

- [Ansible AWX基础配置和使用](#)
- [Setup AWX with Gitlab](#)
- [Tower API 参考指南](#)
- [Ansible中文权威指南](#)
- [Ansible Tower 管理指南 v3.7.1](#)
- [Ansible Tower 用户指南 v3.7.1](#)