

11-Foreman와 Ansible

사전정보

- Ansible core는 cli기반의 기능만 제공하고 있고, web ui는 제공하지 않음
- Redhat에서는 Ansible Tower라는 상용 제품이 있긴 하지만, 가격이 매우 비쌈
- Opensource기반에서는 AWX를 사용하면 되는데, AWX는 컨테이너 기반의 솔루션이라 컨테이너의 환경을 도입하기 어려운 곳에서 Foreman을 사용해서 ansible을 연동

설치구성

- foreman 설치를 위한 리포지터리 구성

```
$ yum -y install https://yum.puppet.com/puppet6-release-el-7.noarch.rpm
$ yum-config-manager --enable extras
$ yum -y install epel-release centos-release-scl-rh
$ curl https://yum.theforeman.org/releases/2.5/el7/x86_64/foreman-release.rpm -O
$ yum install ./foreman-release.rpm
```

- foreman 패키지 설치

```
$ yum install foreman foreman-installer -y
$ foreman-installer
2021-06-24 10:53:34 [NOTICE] [root] Loading installer configuration. This will ta
2021-06-24 10:53:38 [NOTICE] [root] Running installer with log based terminal out
2021-06-24 10:53:38 [NOTICE] [root] Use -l to set the terminal output log level t, or DEBUG. See --full-help for definitions.
2021-06-24 10:53:41 [NOTICE] [configure] Starting system configuration.
2021-06-24 10:54:52 [NOTICE] [configure] 250 configuration steps out of 1334 steps complete.
2021-06-24 10:55:23 [NOTICE] [configure] 500 configuration steps out of 1336 steps complete.
2021-06-24 10:55:35 [NOTICE] [configure] 750 configuration steps out of 1347 steps complete.
2021-06-24 10:59:24 [NOTICE] [configure] 1000 configuration steps out of 1357 steps complete.
2021-06-24 11:01:15 [NOTICE] [configure] 1250 configuration steps out of 1357 steps complete.
2021-06-24 11:01:24 [NOTICE] [configure] System configuration has finished.
Executing: foreman-rake upgrade:run
`/usr/share/foreman` is not writable.
Bundler will use `/tmp/bundler20210624-32690-b2erjo32690` as your home directory temporarily.
Success!
* Foreman is running at https://1.2.3.4
  Initial credentials are admin / 1234
* Foreman Proxy is running at https://1234:8443

The full log is at /var/log/foreman-installer/foreman.log
```

- webui 로그인 - <https://1.2.3.4> (계정명은 상단 credentials 정보 확인)



FOREMAN

환영합니다

버전 2.5.0

Log in to your account

Foreman과 ansible연동

- foreman이 설치된곳에 ansible 설치 - [3- ansible 설치하기](#)
- ansible에 foreman 연동

```
$ vi /etc/ansible/ansible.cfg
[defaults]
...
callback_whitelist = foreman
...
[callback_foreman]
url = https://skb-djk-master-1.cluster.local
ssl_cert = /etc/puppetlabs/puppet/ssl/certs/skb-djk-master-1.cluster.local.pem
ssl_key = /etc/puppetlabs/puppet/ssl/private_keys/skb-djk-master-1.cluster.local.pem
verify_certs = /etc/puppetlabs/puppet/ssl/certs/ca.pem
```

- foreman에 ansible 연동

```
$ foreman-installer --enable-foreman-plugin-ansible --enable-foreman-proxy-plugin-ansible
$ foreman-installer --enable-foreman-plugin-remote-execution --enable-foreman-proxy-plugin-remote-execution-ssh
```

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