

新增服务

当我们要新增一个角色到ansible中，需要修改一些pattern

- The sample inventories

修改ansible的inventory文件，决定了这个服务要安装在哪个节点上。

多节点部署配置文件 `ansible/inventory/multinode` 和 单节点部署配置文件 `ansible/inventory/all-in-one` .

```
...
[sahara:children]
control
...
# Sahara
[sahara-api:children]
sahara

[sahara-engine:children]
sahara
...
```

- The playbook

将所有角色role都联系起来的剧本playbook是 `ansible/site.yml` .因此更新的时候需要与合适的role、tag和condition一起更新。确保如果必要的时候支持haproxy的host。

Site.yml

描述: kolla-ansible部署的入口，kolla调用ansible执行playbook的入口文件

```
...
- name: Apply role sahara
  hosts:
    - sahara-api
    - sahara-engine
  serial: '{{ serial|default("0") }}'
  roles:
    - { role: sahara,
        tags: sahara,
        when: enable_sahara | bool }
...
```

- The common role

一个普通的角色一般指的是那些记录log、kolla-toolbox和其他支持的组件。同时也需要在 `meta/main.yml` 中包括你的角色中的所有服务

A common role exists which sets up logging, kolla-toolbox and other supporting components. This should be included in all services within meta/main.yml of your role.

```
---
dependencies:
  - { role: common }
```

- Common tasks

正常的服务包括: reconfigure、pull、upgrade、logrotation

All services should include the following tasks:

reconfigure.yml : Used to push new configuration files to the host and restart the service.

pull.yml : Used to pre fetch the image into the Docker image cache on hosts, to speed up initial deploys.

upgrade.yml : Used for upgrading the service in a rolling fashion. May include service specific setup and steps as not all services can be upgraded in the same way.

Logrotation

For OpenStack services there should be a cron-logrotate-PROJECT.conf.j2 template file in ansible/roles/common/templates with the following content:

```
"var/log/kolla/PROJECT/*.log"
{
}
```

For OpenStack services there should be an entry in the services list in the cron.json.j2 template file in ansible/roles/common/templates.

Log delivery

For OpenStack services the service should add a new rewrite rule in the match element in the 01-rewrite.conf.j2 template file in ansible/roles/common/templates/conf/filter to deliver log messages to Elasticsearch.

Documentation

For OpenStack services there should be an entry in the list OpenStack services in the README.rst file.

For infrastructure services there should be an entry in the list Infrastructure components in the README.rst file.

Syntax

All YAML data files should start with three dashes (---).