

请使用role来实现lnmp

第1步: 先确认都要有epel源(安装nginx需要)

第2步: 定义lnmp_mysql,lnmp_php,nginx,memcached这4个角色的目录结构

```
master# cd /etc/ansible/roles/  
master# mkdir -p  
{lnmp_mysql,lnmp_php,nginx,memcached}/{files,tasks,handlers,templates,vars,meta}  
  
master# touch  
{lnmp_mysql,lnmp_php,nginx,memcached}/{tasks,handlers,vars,meta}/main.yml
```

第3步: 编写nginx角色里的task任务列表

```
master# vim /etc/ansible/roles/nginx/tasks/main.yml  
---  
- name: install nginx  
  yum: name=nginx state=latest  
  
- name: copy index file  
  copy: src=/etc/ansible/roles/nginx/files/index.html  
        dest=/usr/share/nginx/html/index.html  
  
- name: copy test_php file  
  copy: src=/etc/ansible/roles/nginx/files/test.php  
        dest=/usr/share/nginx/html/test.php  
  
- name: copy conf file  
  copy: src=/etc/ansible/roles/nginx/files/nginx.conf dest=/etc/nginx/nginx.conf  
  notify:  
    - restart nginx  
  
- name: start nginx  
  service: name=nginx enabled=true state=started
```

第4步: 编写nginx角色里的handler

```
master# vim /etc/ansible/roles/nginx/handlers/main.yml  
---  
- name: restart nginx  
  service: name=nginx state=restarted
```

第5步: 编写lnmp_mysql角色的task任务列表

```

master# vim /etc/ansible/roles/lmp_mysql/tasks/main.yml
---
- name: install mariadb
  yum: name={{item}} state=latest
  with_items:
    - mariadb
    - mariadb-server
    - mariadb-libs
    - mariadb-devel

- name: start service
  service: name=mariadb enabled=true state=started

```

第6步: 编写lmp_php角色的task任务列表

```

master# vim /etc/ansible/roles/lmp_php/tasks/main.yml
---
- name: install php
  yum: name={{item}} state=latest
  with_items:
    - php
    - php-mysql
    - php-gd
    - php-ldap
    - php-odbc
    - php-pear
    - php-xml
    - php-xmlrpc
    - php-mbstring
    - php-bcmath
    - php-common
    - php-fpm
    - php-pecl-zendopcache
    - php-pecl-memcache
    - libjpeg-turbo-devel

- name: copy conf file
  copy: src=/etc/ansible/roles/lmp_php/files/www.conf dest=/etc/php-
fpm.d/www.conf
  notify:
    - restart php-fpm

- name: start php-fpm
  service: name=php-fpm enabled=true state=started

```

第7步: 编写lmp_php角色的handler

```

master# vim /etc/ansible/roles/lmp_php/handlers/main.yml
---
- name: restart php-fpm
  service: name=php-fpm state=restarted

```

第8步: 编写memcached角色的task任务列表

```
master# vim /etc/ansible/roles/memcached/tasks/main.yml
---
- name: install memcached
  yum: name=memcached state=latest

- name: start memcached
  service: name=memcached enabled=true state=started
```

第9步:在master上准备配置文件,主页文件与php测试页等

```
master# yum install epel -y
master# yum install nginx php-fpm
```

php配置文件可以按需求配置,我这里就保持默认不变

```
master# cp /etc/php-fpm.d/www.conf /etc/ansible/roles/lamp_php/files/www.conf

master# echo "nginx test page" > /etc/ansible/roles/nginx/files/index.html
master# echo -e "<?php\n\tphpinfo();\n?>" >
/etc/ansible/roles/nginx/files/test.php
```

修改nginx配置文件,主要加上连接php的配置段

```
master# vim /etc/nginx/nginx.conf
user nginx;
worker_processes auto;
error_log /var/log/nginx/error.log;
pid /run/nginx.pid;

include /usr/share/nginx/modules/*.conf;

events {
    worker_connections 1024;
}

http {
    log_format main '$remote_addr - $remote_user [$time_local] "$request" '
        '$status $body_bytes_sent "$http_referer" '
        '"$http_user_agent" "$http_x_forwarded_for"';

    access_log /var/log/nginx/access.log main;

    sendfile on;
    tcp_nopush on;
    tcp_nodelay on;
    keepalive_timeout 65;
    types_hash_max_size 2048;

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    include /etc/nginx/conf.d/*.conf;

    server {
        listen 80 default_server;
        listen [::]:80 default_server;
```

```

server_name _;
root        /usr/share/nginx/html;
index       index.php index.html;           # 加上主页

include /etc/nginx/default.d/*.conf;

location / {

}

error_page 404 /404.html;
        location = /40x.html {
}

error_page 500 502 503 504 /50x.html;
        location = /50x.html {
}
location ~ /\.php$ {                       # 加上支持php的配置段
        fastcgi_pass    127.0.0.1:9000;
        fastcgi_index   index.php;
        fastcgi_param    SCRIPT_FILENAME $document_root$fastcgi_script_name;
        include          fastcgi_params;
}

}

}

master# cp /etc/nginx/nginx.conf /etc/ansible/roles/nginx/files/nginx.conf

```

第10步:编写lnmp的playbook文件调用上面定义的4个roles

```

master# vim /etc/ansible/playbook/lnmp.yaml
---
- hosts: group1
  remote_user: root
  roles:
    - nginx
    - lnmp_mysql
    - lnmp_php
    - memcached

```

第11步: 执行playbook

```

master# ansible-playbook /etc/ansible/playbook/lnmp.yaml

```