

Системы управления конфигурациями

Урок 8. Практика на проекте

Добавить в проект роль балансировщика и завершить работу над проектом.

Проект должен разворачиваться полностью автоматически, в результате получаем работающую систему.

(по желанию) Добавить в проект мониторинг.

Добавляем роль балансировщика и создаем файлы:

```
ansible-galaxy init nginx_proxy
```

/home/sa/ansible/roles/nginx_proxy/files/nginx.conf

```
server {  
    listen 80 ;  
}
```

/home/sa/ansible/roles/nginx_proxy/handlers/main.yml

```
---  
# handlers file for nginx_proxy  
- name: restart nginx  
  service: name=nginx state=restarted
```

/home/sa/ansible/roles/nginx_proxy/tasks/main.yml

```
---  
# tasks file for nginx_proxy  
  
- name: install nginx  
  yum: name=nginx state=latest  
  when: ansible_os_family == "Debian" or ansible_os_family == "Ubuntu"  
  
- name: install conf  
  template: src=proxy.conf.j2 dest=/etc/nginx/conf.d/vhost1.conf  
  tags: conf  
  notify: restart nginx  
  
- name: install nginx.conf  
  copy: src=nginx.conf dest=/etc/nginx/sites-available/default  
- name: start nginx  
  service: name=nginx state=started
```

/home/sa/ansible/roles/nginx_proxy/templates/proxy.conf.j2

```
upstream webserv {  
    server 10.78.1.46:80;
```

```

server 10.78.1.47:80;
}

server {
    listen 80 default_server;
    server_name "{{ server_name }}";
    location / {
        proxy_pass http://websrv/;
        proxy_set_header Host $host;
        proxy_set_header X-Forward-For $remote_addr;
    }
}

```

/home/sa/ansible/roles/nginx_proxy/nginx_proxy.yml:

```

---
- hosts: haproxy
  become: true

  roles:
  - role: nginx_proxy
    vars:
      - server_name: "app.local"

```

Запускаем роль:

```
ansible-playbook roles/nginx_proxy/nginx_proxy.yml
```

Проверяем:

Добавим на каждый сервер по файлу index.php в корень с разным содержимым.

Для App01:

```

sa@app01:/var/www/html$ cat index.php
<?php
echo "<H1>Server name: APP01.LOCAL <br>";
echo $_SERVER['SERVER_NAME'];
echo "</H1><br>";
echo "<br>";
phpinfo(INFO_GENERAL);
?>

```

App02:

```

<?php
echo "<H1>Server name: APP02.LOCAL <br>";
echo $_SERVER['SERVER_NAME'];
echo "</H1><br>";
echo "<br>";
echo "<br>";

echo date('l jS \of F Y h:i:s A');
echo "<br>";
echo "<br>";
phpinfo(INFO_GENERAL);
?>

```


Проверяем:

← ⓘ ↻ ⚠ app.local

PHP 7.4.3-4ubuntu2.19 - phpinfo()

Server name: APP01.LOCAL
app.local

PHP Version 7.4.3-4ubuntu2.19



System	Linux app01 5.4.0-51-generic #56-Ubuntu SMP Mon Oct 5 14:28:49 UTC 2020 x86_64
Build Date	Jun 27 2023 15:49:59
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/fpm
Loaded Configuration File	/etc/php/7.4/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/fpm/conf.d


← ⓘ ↻ ⚠ app.local

PHP 7.4.3-4ubuntu2.19 - phpinfo()

Server name: APP02.LOCAL
app.local

Wednesday 5th of July 2023 09:43:05 AM

PHP Version 7.4.3-4ubuntu2.19




System	Linux app02 5.4.0-51-generic #56-Ubuntu SMP Mon Oct 5 14:28:49 UTC 2020 x86_64
Build Date	Jun 27 2023 15:49:59
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/fpm
Loaded Configuration File	/etc/php/7.4/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/fpm/conf.d

RR работает!

Проверяем ранее раздеплоеный сайт:

⚠ Небезопасно app.local/wordpress/wp-admin/install.php



Nederlands (België)
Nederlands
Norsk nynorsk
Occitan
ਪੰਜਾਬੀ
Polski
پښتو
Português (AO90)
Português do Brasil
Português
Português de Angola
Ruáinga
Română
Русский
Сахаалыы
සිංහල
Slovenčina
سرائیکی
Slovenščina
Shqip
Српски језик

Продолжить

Завершаем установку мастером и все работает:

app.local

Mindblown: a blog about philosophy.

Hello world!

Welcome to WordPress. This is your first post.
Edit or delete it, then start writing!

July 5, 2023

Осталось только добавить деплой прокси в проект:

```
---
- name: deploy_vm_ovirt
  import_playbook: /home/sa/ansible/roles/deploy_vm_ovirt/deploy_vm_ovirt.yml

- name: deploy_mysql
  import_playbook: /home/sa/ansible/roles/deploy_mysql/deploy_mysql.yml

- name: deploy_webserver
  import_playbook: /home/sa/ansible/roles/deploy_webserver/deploy_webserver.yml

- name: deploy_nginx_proxy
  import_playbook: /home/sa/ansible/roles/nginx_proxy/nginx_proxy.yml

- name: deploy_wordpress
  import_playbook: /home/sa/ansible/roles/wordpress/wordpress.yml
```