

# PaaS 환경에서 오픈 소스 워드프레스 구축하기 데모

- 목적

- OpenShift 환경에서 Wordpress를 구축하여 실 소요되는 시간을 확인하여 새로운 서비스를 구축하고자 할 때 얼마나 쉽고 빠르게 가능한지를 확인하기 위함입니다.

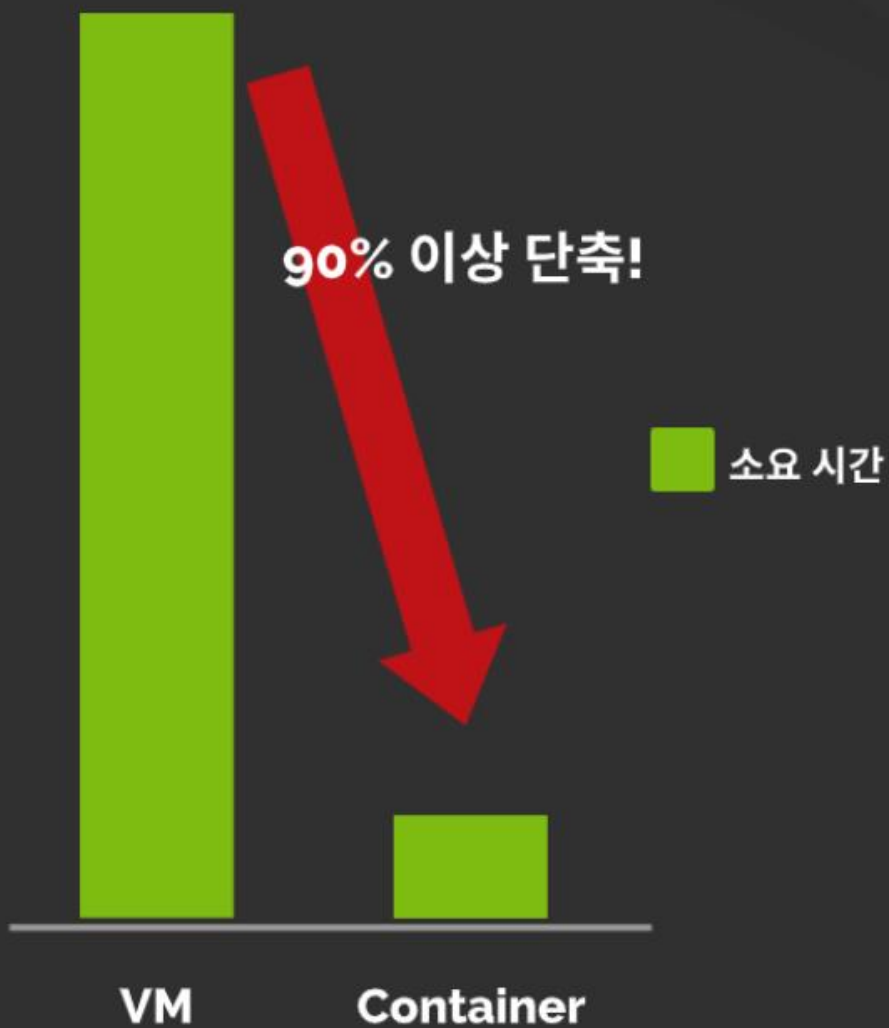
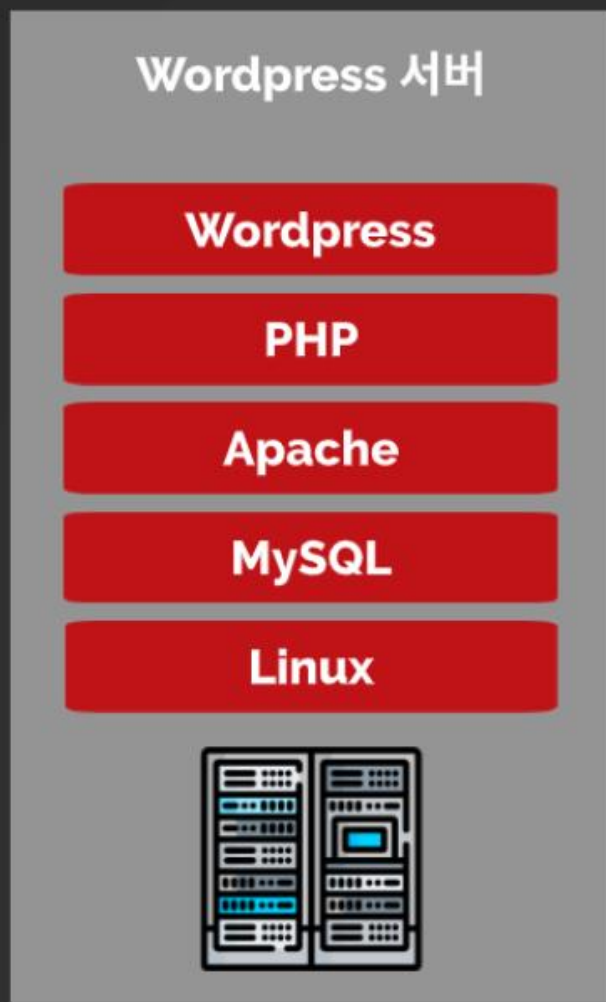
- 내용

- Wordpress를 설치하려면 Apache + PHP + MySQL를 설치/설정해야 합니다.
- OpenShift환경에서 MySQL와 Wordpress 컨테이너 이미지를 사용하여 한번에 배포합니다.
- 설치가 완료되고 Wordpress 플러그인과 테마를 적용하여 나만의 블로그를 꾸며 봅니다.

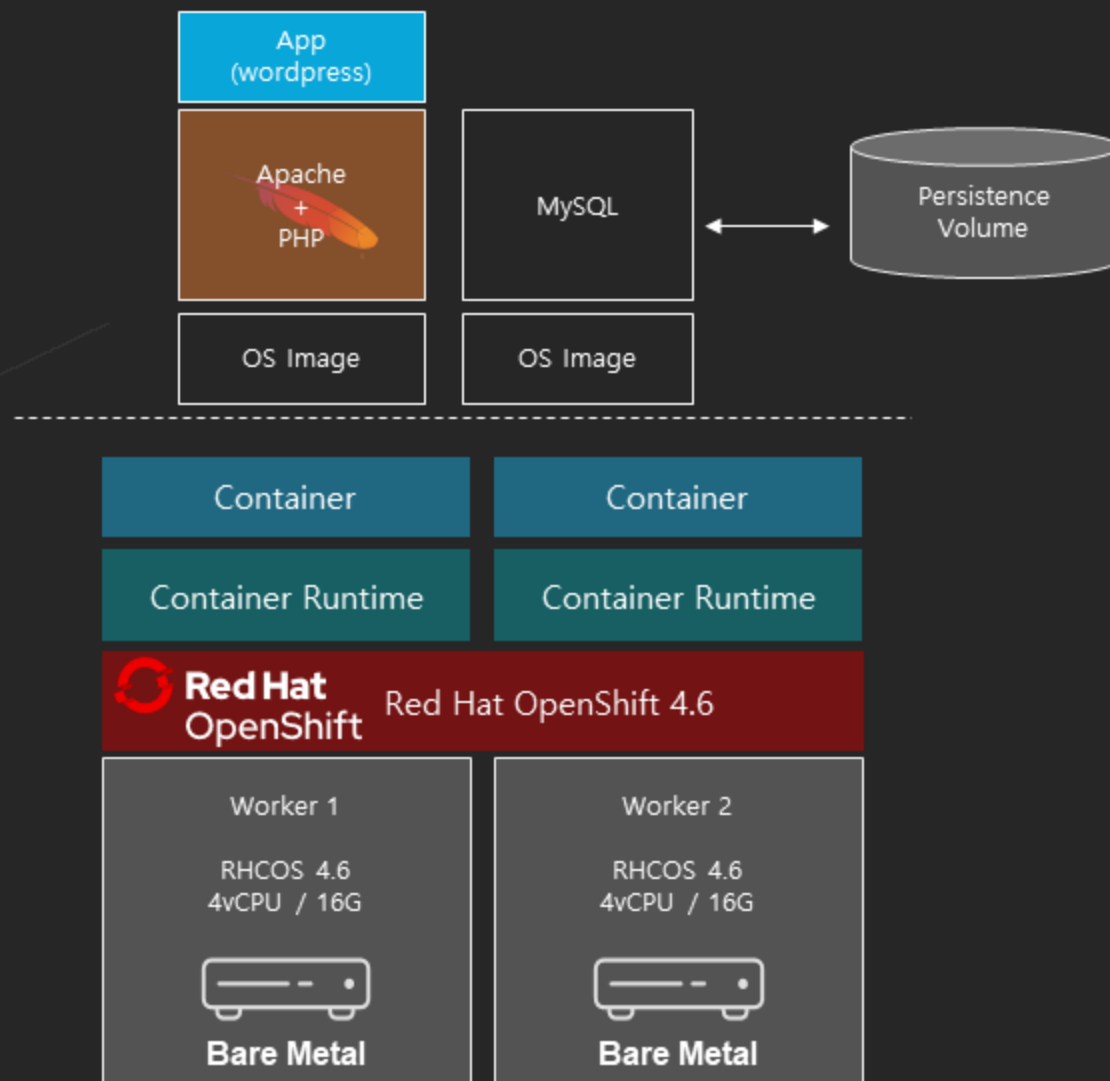


컨테이너 환경으로 구축하는게 더 어렵지 않나요?

- 구성 테스트 ✓
- Wordpress 설치 ✓
- Apache + PHP 설치 및 설정 ✓
- MySQL DB 설치 및 설정 ✓
- OS 설치 ✓
- 하드웨어 설치 ✓
- Network 구성 ✓



# OpenShift 환경 테스트 구성도





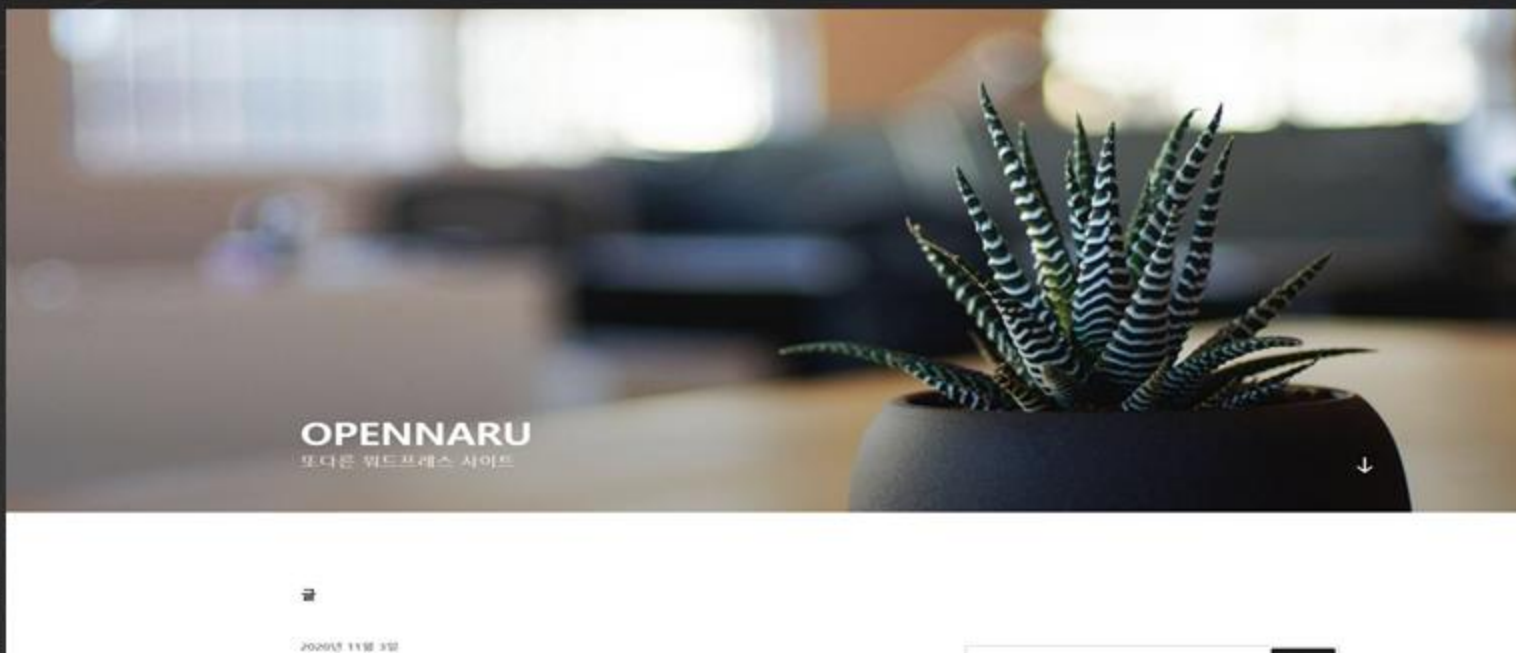
신규 서비스 구축



Container 환경에서 Wordpress 배포

# 배포 스크립트

```
# oc create secret generic wordpress-secret --from-literal=USER=wordpress --from-literal=PASSWORD=QWer0987 --from-literal=DATABASE=wordpress
# oc new-app registry.access.redhat.com/rhsc1/mysql-57-rhel7:5.7-47 --name=mysql --as-deployment-config=true
# oc set env dc/mysql --prefix=MYSQL_ --from=secret/wordpress-secret
# oc new-app docker.io/library/wordpress:5.5.0 --as-deployment-config=true --name=wordpress -e WORDPRESS_DB_HOST=mysql -e WORDPRESS_DB_NAME=wordpress
# oc set env dc/wordpress --prefix=WORDPRESS_DB_ --from=secret/wordpress-secret
# oc expose svc/wordpress --hostname=wordpress.apps.rhv.opennaru.com
```



# OpenShift에서 Wordpress 배포



The screenshot displays the OpenShift console interface. At the top, a navigation bar shows the user is logged in as 'kube:admin'. A blue banner indicates the user is a temporary administrative user. The main content area is titled 'Overview' and shows cluster details:

- Cluster API Address:** https://apl.rh.openshift.com:6443
- Cluster ID:** 746c5eaa-1d9e-4ecl-93b5-7662e4347f84
- Status:** Cluster, Control Plane, and Operators are all in a 'Ready' state (green checkmarks).
- Activity:** Shows 'Ongoing' activities with a message: 'There are no ongoing activities.'

Below the console, a terminal window is open, showing the execution of a script to deploy WordPress:

```
root@bastion.rh.openshift.com /data/demo-wordpress # ls
root@bastion.rh.openshift.com /data/demo-wordpress # ./deploy_wordpress.sh
```

The terminal output shows the script is running successfully. The terminal window title is '1 bastion.rh.openshift.com'.



# 배포된 Wordpress 사용하기



The screenshot displays the OpenShift console interface. At the top, a navigation bar shows the user is logged in as 'kube:admin'. A blue banner indicates the user is a temporary administrative user. The main content area is titled 'Overview' and shows the 'Cluster' status. The 'Details' section lists the Cluster API Address as 'https://apl.rhv.openmaru.com:6443' and the Cluster ID as '746c5eaa-1d9e-4ecl-93b5-7662e4347f84'. The 'Status' section shows 'Cluster', 'Control Plane', and 'Operators' all in a 'Ready' state. The 'Activity' section shows 'Ongoing' activities and 'Recent Events', with a recent event at 16:40: 'Stopping container registry-server'. Below the console, a terminal window shows the execution of a script to deploy Wordpress:

```
root@bastion.rhv.openmaru.com /data/demo-wordpress # ls
root@bastion.rhv.openmaru.com /data/demo-wordpress # ./deploy_wordpress.sh
```

The terminal output shows the script is running successfully. The terminal window title is 'bastion.rhv.openmaru.com - root@bastion/data/demo-wordpress - Xshell 6'.

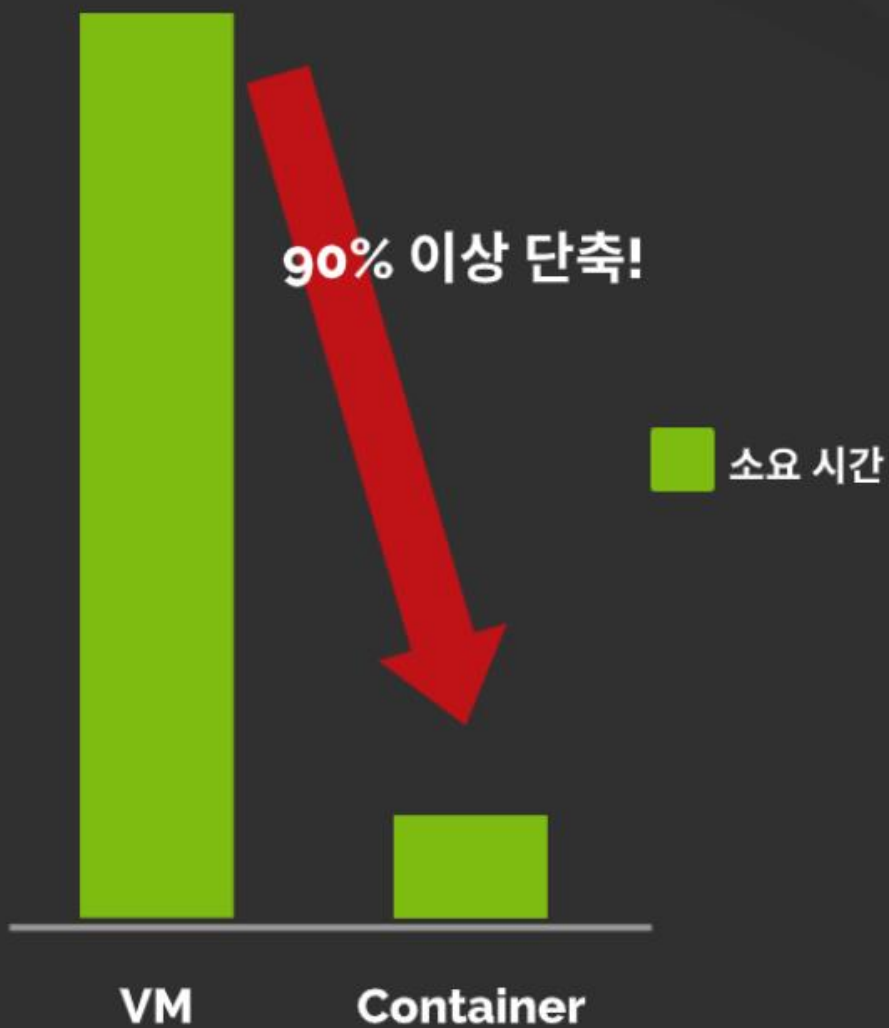
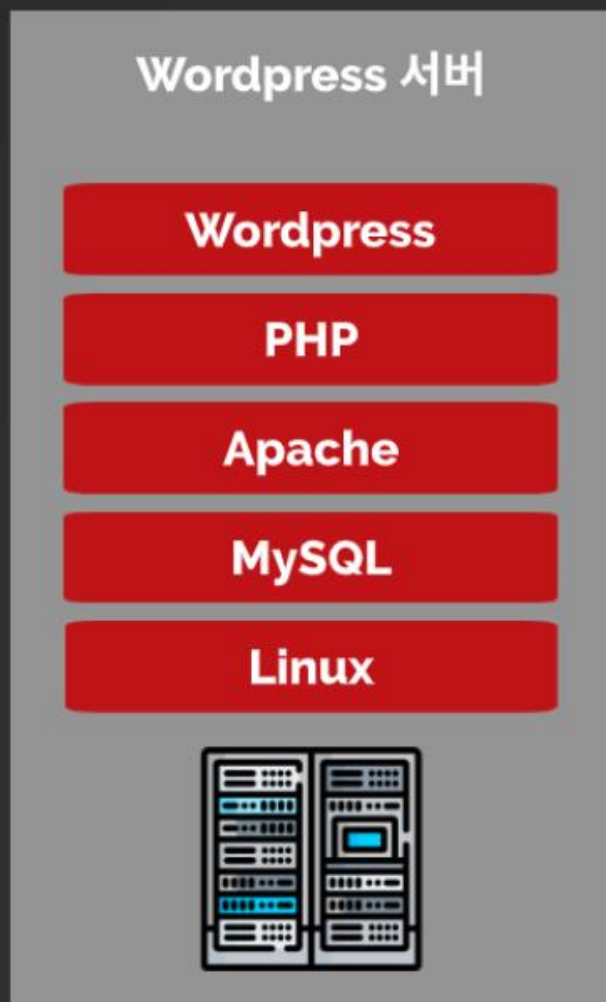


신규 서비스 구축

Container 환경에서 Wordpress 배포 결과

K LINE

- 구성 테스트 ✓
- Wordpress 설치 ✓
- Apache + PHP 설치 및 설정 ✓
- MySQL DB 설치 및 설정 ✓
- OS 설치 ✓
- 하드웨어 설치 ✓
- Network 구성 ✓





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제품 / 서비스에 관한 문의

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