DOCKER COMPOSE, DATABASE & WORDPRESS


```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\hp> ssh -i "C:\Users\hp\Downloads\wordpress.pem" ec2-user@35.93.19.67
The authenticity of host '35.93.19.67 (35.93.19.67)' can't be established.
ED25519 key fingerprint is SHA256:AoYA8kefj0mpPxUk7whuNgMHC30qdkeDgTIgVmRXFfY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '35.93.19.67' (ED25519) to the list of known hosts.
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
[ec2-user@ip-172-31-22-212 ~]$ sudo -i
[root@ip-172-31-22-212 ~]# hostnamectl set-hostname wordpress
[root@ip-172-31-22-212 ~]# bash
[root@wordpress ~]# mkdir wordpress
[root@wordpress ~]# ls
wordpress
[root@wordpress ~]# cd wordpress/
[root@wordpress wordpress]# ls
[root@wordpress wordpress]# vim docker-compose.yml
```



```yaml
version: "4.2"
services:
  webserver:
    image: wordpress:latest
    ports:
      - "80:80"
    volumes:
      - wordpress:/var/www/html
    environment:
      WORDPRESS_DB_HOST: database
      WORDPRESS_DB_USER: root
      WORDPRESS_DB_PASSWORD: redhat
      WORDPRESS_DB_NAME: ayushi
    depends_on:
      - database

  database:
    image: mariadb:latest
    volumes:
      - database:/var/lib/mysql
    environment:
      MARIADB_ROOT_PASSWORD: redhat
      MARIADB_DATABASE: ayushi

volumes:
  wordpress:
  database:
```

```
[root@wordpress wordpress]# sudo yum install -y yum-utils
sudo yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Last metadata expiration check: 0:09:48 ago on Tue 06 Aug 2024 04:09:43 PM UTC.
Package yum-utils-4.3.0-13.el9.noarch is already installed.
Dependencies resolved.
Nothing to do.
Complete!
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Adding repo from: https://download.docker.com/linux/centos/docker-ce.repo
[root@wordpress wordpress]# sudo yum install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-p
lugin
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.

Docker CE Stable - x86_64                                          261 kB/s |  53 kB     00:00
Dependencies resolved.
============================================================================================================
 Package                   Architecture      Version                 Repository                        Size
============================================================================================================
```
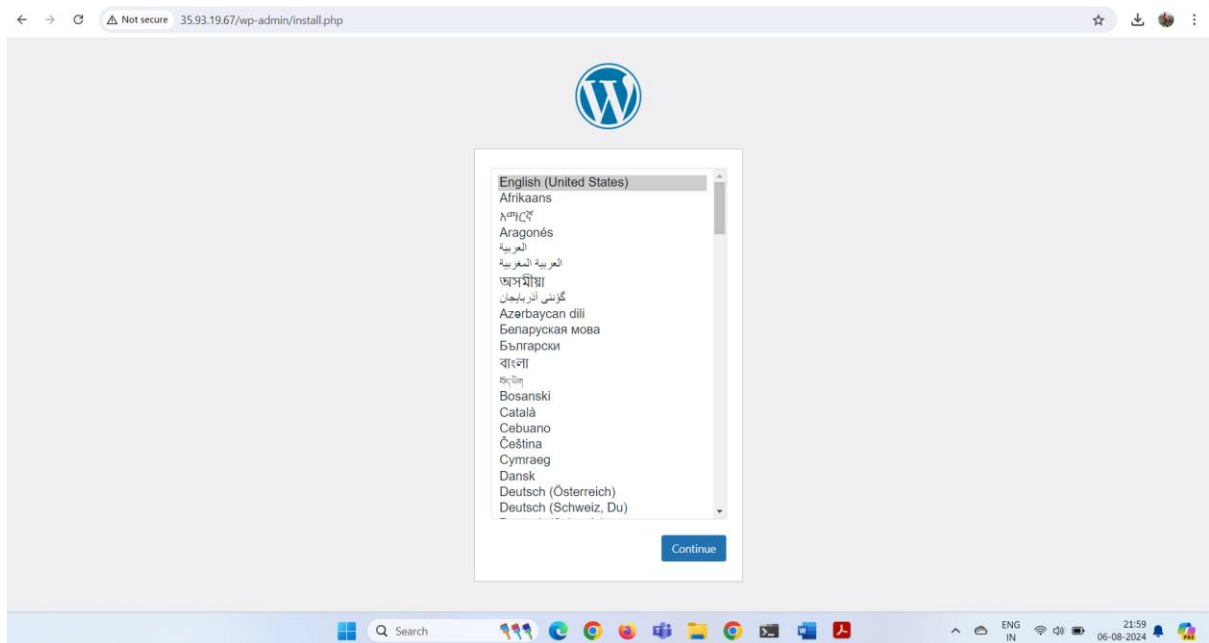
```
Complete!
[root@wordpress wordpress]# systemctl enable --now docker
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /usr/lib/systemd/system/docker.service.
[root@wordpress wordpress]# systemctl status docker
● docker.service - Docker Application Container Engine
     Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: disabled)
     Active: active (running) since Tue 2024-08-06 16:21:06 UTC; 7s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 16298 (dockerd)
      Tasks: 8
     Memory: 38.7M
        CPU: 308ms
     CGroup: /system.slice/docker.service
             └─16298 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Aug 06 16:21:05 wordpress systemd[1]: Starting Docker Application Container Engine...
Aug 06 16:21:05 wordpress dockerd[16298]: time="2024-08-06T16:21:05.917405030Z" level=info msg="Starting up"
Aug 06 16:21:05 wordpress dockerd[16298]: time="2024-08-06T16:21:05.997562880Z" level=info msg="Loading containers: sta>
Aug 06 16:21:06 wordpress dockerd[16298]: time="2024-08-06T16:21:06.492083634Z" level=info msg="Loading containers: don>
Aug 06 16:21:06 wordpress dockerd[16298]: time="2024-08-06T16:21:06.508757638Z" level=info msg="Docker daemon" commit=c>
Aug 06 16:21:06 wordpress dockerd[16298]: time="2024-08-06T16:21:06.509028504Z" level=info msg="Daemon has completed in>
Aug 06 16:21:06 wordpress dockerd[16298]: time="2024-08-06T16:21:06.606135802Z" level=info msg="API listen on /run/dock>
Aug 06 16:21:06 wordpress systemd[1]: Started Docker Application Container Engine.
lines 1-20/20 (END)
```

```
root@ip-172-31-22-212:~/wor

[root@wordpress wordpress]# docker compose up
WARN[0000] /root/wordpress/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it
 to avoid potential confusion
[+] Running 22/22
 ✔webserver Pulled                                                                                    16.7s
   ✔efc2b5ad9eec Pull complete                                                                         4.4s
   ✔a6a83fa76a2b Pull complete                                                                         4.5s
   ✔efb3cd9e6b42 Pull complete                                                                        10.0s
   ✔f41714dd6e6a Pull complete                                                                        10.1s
   ✔e362d14d0b88 Pull complete                                                                        11.0s
   ✔d1b475c73fa4 Pull complete                                                                        11.1s
   ✔8c1c872d3db8 Pull complete                                                                        11.1s
   ✔97876285719a Pull complete                                                                        11.3s
   ✔f5fb4d37a6c2 Pull complete                                                                        11.3s
   ✔f35e4747e8da Pull complete                                                                        12.1s
   ✔cdab7abc9384 Pull complete                                                                        12.1s
   ✔48d150970669 Pull complete                                                                        12.1s
   ✔096b0161e32f Pull complete                                                                        12.1s
   ✔5e48baf97bab Pull complete                                                                        13.4s
   ✔4f81fb96e1d1 Pull complete                                                                        14.2s
   ✔705c090e7a82 Pull complete                                                                        14.2s
   ✔8596d3abb2da Pull complete                                                                        14.3s
   ✔eebc94fdb18c Pull complete                                                                        14.3s
   ✔5593e6555b7c Pull complete                                                                        16.0s
   ✔2f07ba76c587 Pull complete                                                                        16.0s
   ✔b72fea951156 Pull complete                                                                        16.0s
[+] Running 5/4
 ✔Network wordpress_default           Created                                                          0.1s
 ✔Volume "wordpress_wordpress"        Created                                                          0.0s
 ✔Volume "wordpress_database"         Created                                                          0.0s
```

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title	Docker Hub
Username	ayushi
	Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password	redhat
	Very weak
	Important: You will need this password to log in. Please store it in a secure location.
Confirm Password	☑ Confirm use of weak password
Your Email	ayuagg27@gmail.com
	Double-check your email address before continuing.
Search engine visibility	☐ Discourage search engines from indexing this site
	It is up to search engines to honor this request.

Install WordPress

Success!

WordPress has been installed. Thank you, and enjoy!

Username	ayushi
Password	*Your chosen password.*

Log In

Not secure   35.93.19.67/wp-login.php

Username or Email Address
ayushi

Password
••••••

☑ Remember Me   Log In

Lost your password?

← Go to Docker Hub

Not secure   35.93.19.67/wp-admin/

🏠 Docker Hub   💬 0   + New   Howdy, ayushi

Dashboard

Dashboard   Screen Options ▼   Help ▼

Home
Updates
                                                              ✕ Dismiss

📌 Posts
♫ Media   **Welcome to WordPress!**
📄 Pages
💬 Comments   Learn more about the 6.6.1 version.

🎨 Appearance
🔌 Plugins   ✏️ Author rich content with blocks   🔲 Customize your entire site with   ◐ Switch up your site's look & feel
👤 Users   and patterns   block themes   with Styles
🔧 Tools
⚙️ Settings   Block patterns are pre-configured   Design everything on your site —   Tweak your site, or give it a whole new
                       block layouts. Use them to get   from the header down to the footer,   look! Get creative — how about a new
◑ Collapse menu   inspired or create new pages in a   all using blocks and patterns.   color palette or font?
                       flash.
                                                              Open site editor   Edit styles
                       Add a new page

                    Site Health Status   ⌃ ⌄ ⌃   **Quick Draft**   ⌃ ⌄ ⌃

                                               Site health checks will   Title
                    No information yet...   automatically run
35.93.19.67/wp-admin/about.php   periodically to gather
                                               information about your
                                               site. You can also visit the Site
                                               Health screen to gather information