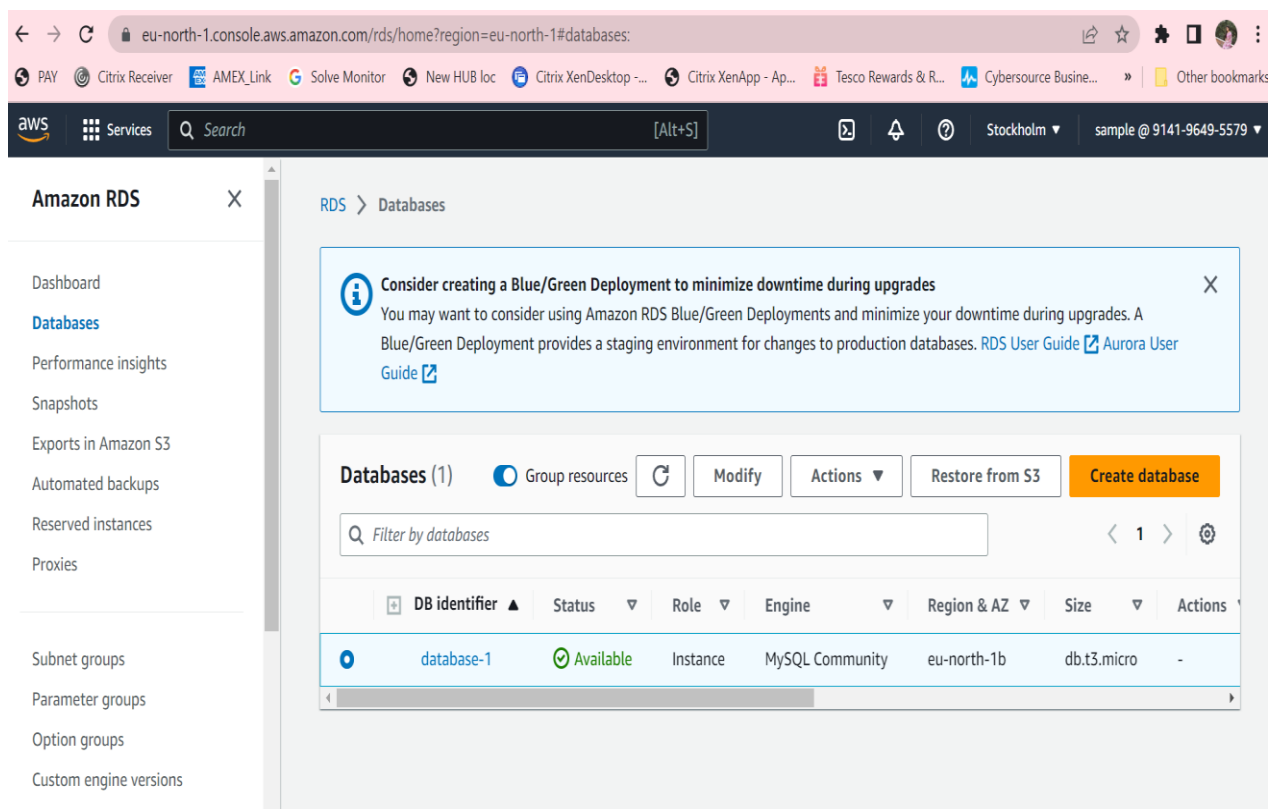


Create, Integrate, Manage and Deploy WordPress application using RDS in AWS

This Labs are divided into five short modules.

- [Creating a MySQL Database with RDS](#): Configure the RDS database to allow access to specific entities.
- [Creating an EC2 Instance](#): Create an EC2 instance to run WordPress site.
- [Configuring Your RDS Database](#): Configure the RDS database to allow access to specific entities.
- [Configuring WordPress on EC2](#): Install the WordPress application and dependencies on the EC2 instance.
- [Explore your New Web Site and Clean Up](#): Clean up the resources created in this lab so that you will not be charged

1) Creating a MySQL Database with RDS



2) Creating an EC2 Instance:

The screenshot shows the AWS Management Console for the eu-north-1 region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, and Instances. The main content area displays a table of EC2 instances with the following data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
wordpress	i-021aeee79a7bdc325	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1a
wordpress-aut...	i-0b9ddf750466777d2	Running	t3.medium	2/2 checks passed	No alarms	eu-north-1a
database	i-007530f34a6e64511	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1a

Below the table, the details for the selected 'wordpress' instance (i-021aeee79a7bdc325) are shown:

Instance: i-021aeee79a7bdc325 (wordpress)

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-021aeee79a7bdc325 (wordpress)	13.51.165.197 open address	10.0.1.84
IPv6 address	Instance state	Public IPv4 DNS

The screenshot shows the AWS Management Console for the eu-north-1 region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, and Instances. The main content area displays a table of EC2 instances with the following data:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
wordpress	i-021aeee79a7bdc325	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1a
wordpress-aut...	i-0b9ddf750466777d2	Running	t3.medium	2/2 checks passed	No alarms	eu-north-1a
database	i-007530f34a6e64511	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1a

Below the table, the details for the selected 'database' instance (i-007530f34a6e64511) are shown:

Instance: i-007530f34a6e64511 (database)

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-007530f34a6e64511 (database)	-	10.0.9.202
IPv6 address	Instance state	Public IPv4 DNS

3) Configuring Your RDS Database:

```
PS C:\Users\sutir> cd .\Downloads\  
PS C:\Users\sutir\Downloads> ssh -i "june.pem" ec2-user@13.51.165.197  
The authenticity of host '13.51.165.197 (13.51.165.197)' can't be established.  
ED25519 key fingerprint is SHA256:fAycG0nJ790s99/qL7jQW+qKLRkUmqYwVknX4Ni/2K0.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '13.51.165.197' (ED25519) to the list of known hosts.
```

```
__|  __|_ )  
_| (  /   Amazon Linux 2 AMI  
---|\---|
```

```
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-10-0-1-84 ~]$ ls  
june.pem  
[ec2-user@ip-10-0-1-84 ~]$ chmod 400 june.pem  
[ec2-user@ip-10-0-1-84 ~]$ ll  
total 4  
-r----- 1 ec2-user ec2-user 1674 Jun 23 12:31 june.pem  
[ec2-user@ip-10-0-1-84 ~]$ ssh -i "june.pem" ec2-user@10.0.9.202  
The authenticity of host '10.0.9.202 (10.0.9.202)' can't be established.  
ECDSA key fingerprint is SHA256:pUpuxfaW09yeuL2hq3rf3KTPbYsihVaoWhQ2H5fKikM.  
ECDSA key fingerprint is MD5:f3:a1:75:9a:75:01:b8:91:ac:83:90:fb:9c:bf:5e:b1.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added '10.0.9.202' (ECDSA) to the list of known hosts.
```

```
__|  __|_ )  
_| (  /   Amazon Linux 2 AMI  
---|\---|
```

```
https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-10-0-9-202 ~]$ sudo yum -y install mysql
```

```
MySQL [(none)]> show grants for new_user;  
ERROR 1141 (42000): There is no such grant defined for user 'new_user' on host '%'  
MySQL [(none)]> CREATE USER 'new_user' IDENTIFIED BY 'password';  
Query OK, 0 rows affected (0.00 sec)
```

```
MySQL [(none)]> show grants for new_user;  
+-----+  
| Grants for new_user@% |  
+-----+  
| GRANT USAGE ON *.* TO `new_user`@`%` |  
+-----+  
1 row in set (0.00 sec)
```

```
MySQL [(none)]> show grants for admin  
-> ;
```

```
+-----+  
| Grants for admin@% |  
+-----+  
|  
+-----+  
| GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, PROCESS, REFERENCES, INDEX, ALTER, SHOW DATABASES, CREATE TEMPORARY TAB  
LES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, CREATE USER,  
EVENT, TRIGGER ON *.* TO `admin`@`%` WITH GRANT OPTION |  
+-----+  
1 row in set (0.00 sec)
```

```

MySQL [(none)]> GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, PROCESS, REFERENCES, INDEX, ALTER, SHOW DATABASES, CREATE
TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE
, CREATE USER, EVENT, TRIGGER ON *.* TO 'admin'@'%' WITH GRANT OPTION;
Query OK, 0 rows affected (0.01 sec)

MySQL [(none)]> show grants for new_user;
+-----+
| Grants for new_user@% |
+-----+
| GRANT USAGE ON *.* TO 'new_user'@'%' |
+-----+
1 row in set (0.00 sec)

MySQL [(none)]> GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, PROCESS, REFERENCES, INDEX, ALTER, SHOW DATABASES, CREATE
TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE
, CREATE USER, EVENT, TRIGGER ON *.* TO 'new_user' WITH GRANT OPTION;
Query OK, 0 rows affected (0.00 sec)

MySQL [(none)]> show grants for new_user;
+-----+
| Grants for new_user@% |
+-----+
| |
+-----+
+-----+
+-----+

```

4) Configuring WordPress on EC2:

```

[ec2-user@ip-10-0-1-84 ~]$ wget https://wordpress.org/latest.tar.gz
--2023-06-23 12:52:01-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 23020109 (22M) [application/octet-stream]
Saving to: 'latest.tar.gz'

100%[=====] 23,020,109 11.2MB/s in 2.0s

2023-06-23 12:52:04 (11.2 MB/s) - 'latest.tar.gz' saved [23020109/23020109]

[ec2-user@ip-10-0-1-84 ~]$ tar -xzf latest.tar.gz
[ec2-user@ip-10-0-1-84 ~]$ ls
june.pem latest.tar.gz wordpress
[ec2-user@ip-10-0-1-84 ~]$ cd wordpress
[ec2-user@ip-10-0-1-84 wordpress]$ ls
index.php wp-activate.php wp-comments-post.php wp-cron.php wp-load.php wp-settings.php xmlrpc.php
license.txt wp-admin wp-config-sample.php wp-includes wp-login.php wp-signup.php
readme.html wp-blog-header.php wp-content wp-links-opml.php wp-mail.php wp-trackback.php
[ec2-user@ip-10-0-1-84 wordpress]$ sudo yum -y install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
---> Package mariadb.x86_64 1:5.5.68-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

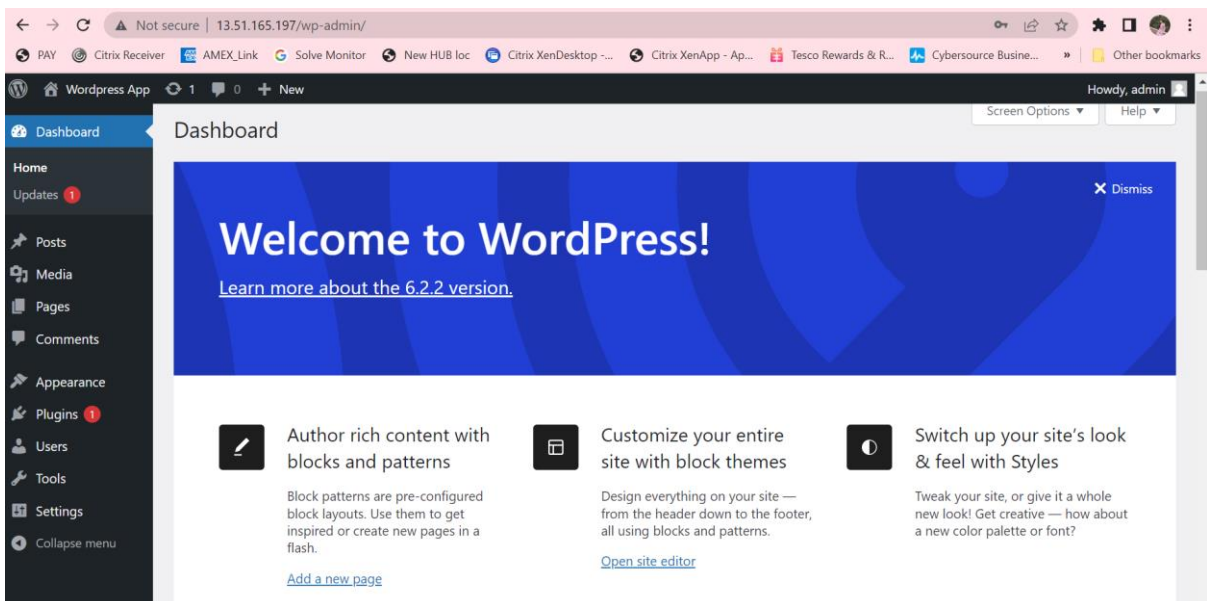
```

```
[ec2-user@ip-10-0-1-84 wordpress]$ sudo yum -y install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package httpd-2.4.57-1.amzn2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-10-0-1-84 wordpress]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-10-0-1-84 wordpress]$ sudo systemctl start httpd
[ec2-user@ip-10-0-1-84 wordpress]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Fri 2023-06-23 12:55:09 UTC; 9s ago
     Docs: man:httpd.service(8)
  Main PID: 2810 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    CGroup: /system.slice/httpd.service
            └─2810 /usr/sbin/httpd -DFOREGROUND
            └─2811 /usr/sbin/httpd -DFOREGROUND
            └─2813 /usr/sbin/httpd -DFOREGROUND
            └─2834 /usr/sbin/httpd -DFOREGROUND
            └─2840 /usr/sbin/httpd -DFOREGROUND
            └─2846 /usr/sbin/httpd -DFOREGROUND

Jun 23 12:55:09 ip-10-0-1-84.eu-north-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Jun 23 12:55:09 ip-10-0-1-84.eu-north-1.compute.internal systemd[1]: Started The Apache HTTP Server.
```

```
[ec2-user@ip-10-0-1-84 wordpress]$ vi wp-config.php
[ec2-user@ip-10-0-1-84 wordpress]$ sudo cp -r * /var/www/html
[ec2-user@ip-10-0-1-84 wordpress]$ sudo systemctl restart httpd
[ec2-user@ip-10-0-1-84 wordpress]$ cd
[ec2-user@ip-10-0-1-84 ~]$ cd /var/www/html
[ec2-user@ip-10-0-1-84 html]$ ls
index.php      wp          wp-blog-header.php  wp-config-sample.php  wp-includes          wp-login.php      wp-signup.php
license.txt    wp-activate.php  wp-comments-post.php wp-content             wp-links-opml.php    wp-mail.php       wp-trackback.php
readme.html   wp-admin        wp-config.php       wp-cron.php           wp-load.php          wp-settings.php   xmlrpc.php
[ec2-user@ip-10-0-1-84 html]$ cd
[ec2-user@ip-10-0-1-84 ~]$ cd wordpress/
[ec2-user@ip-10-0-1-84 wordpress]$ sudo amazon-linux-extras install -ylamp-mariadb10.2-php7.2 php7.2
Topic php7.2 has end-of-support date of 2020-11-30
Installing php-pdo, php-fpm, php-mysqlnd, php-cli, php-json
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-kernel-5.10 amzn2extra-php7.2
```

5) Explore your New Web Site and Clean Up



Pushing the config files to Git

```
[ec2-user@ip-10-0-1-84 wordpress]$ sudo systemctl restart httpd
[ec2-user@ip-10-0-1-84 wordpress]$ sudo yum -y install git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
----> Package git.x86_64 0:2.40.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl-Git = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Term::ReadKey) for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git-2.40.1-1.amzn2.0.1.x86_64
--> Running transaction check
----> Package git-core.x86_64 0:2.40.1-1.amzn2.0.1 will be installed
----> Package git-core-doc.noarch 0:2.40.1-1.amzn2.0.1 will be installed
----> Package perl-Git.noarch 0:2.40.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl(Error) for package: perl-Git-2.40.1-1.amzn2.0.1.noarch
----> Package perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2 will be installed
--> Running transaction check
----> Package perl-Error.noarch 1:0.17020-2.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved
```

The screenshot shows a web browser displaying the GitHub repository page for 'wp-repo' by user 'sangitagit'. The repository is private and has 1 branch and 0 tags. The main branch is selected. The file list shows several files added 26 minutes ago, including 'wp-admin', 'wp-content', 'wp-includes', 'wp-repo', 'README.md', 'index.php', 'license.txt', and 'readme.html'. The commit message for the latest commit is 'EC2 Default User adding php values'. The right sidebar shows the repository's 'About' section, including a README, license, activity, and release information.

File	Commit Message	Time Ago
wp-admin	adding php values	26 minutes ago
wp-content	adding php values	26 minutes ago
wp-includes	adding php values	26 minutes ago
wp-repo	adding php values	26 minutes ago
README.md	Initial commit	30 minutes ago
index.php	adding php values	26 minutes ago
license.txt	adding php values	26 minutes ago
readme.html	adding php values	26 minutes ago

```

[ec2-user@ip-10-0-1-84 wordpress]$ git clone https://github.com/sangitagit/wp-repo.git
Cloning into 'wp-repo'...
Username for 'https://github.com': sangitagit
Password for 'https://sangitagit@github.com':
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
Receiving objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
[ec2-user@ip-10-0-1-84 wordpress]$ cd wp-repo
[ec2-user@ip-10-0-1-84 wp-repo]$ ls
README.md
[ec2-user@ip-10-0-1-84 wp-repo]$ cd ..
[ec2-user@ip-10-0-1-84 wordpress]$ cd wp-repo
[ec2-user@ip-10-0-1-84 wp-repo]$ pwd
/home/ec2-user/wordpress/wp-repo
[ec2-user@ip-10-0-1-84 wp-repo]$ cd ..
[ec2-user@ip-10-0-1-84 wordpress]$ cp * -r /home/ec2-user/wordpress/wp-repo
cp: cannot copy a directory, 'wp-repo', into itself, '/home/ec2-user/wordpress/wp-repo/wp-repo'
[ec2-user@ip-10-0-1-84 wordpress]$ cd wp-repo/
[ec2-user@ip-10-0-1-84 wp-repo]$ ls
index.php      wp          wp-comments-post.php  wp-cron.php      wp-login.php      wp-signup.php
license.txt    wp-activate.php  wp-config.php         wp-includes      wp-mail.php       wp-trackback.php
readme.html   wp-admin        wp-config-sample.php  wp-links-opml.php wp-repo           xmlrpc.php
README.md     wp-blog-header.php wp-content            wp-load.php      wp-settings.php

```

```

[ec2-user@ip-10-0-1-84 wp-repo]$ git push
Username for 'https://github.com': sangitagit
Password for 'https://sangitagit@github.com':
Enumerating objects: 3129, done.
Counting objects: 100% (3129/3129), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3048/3048), done.
Writing objects: 100% (3128/3128), 19.39 MiB | 7.19 MiB/s, done.
Total 3128 (delta 395), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (395/395), done.
To https://github.com/sangitagit/wp-repo.git
  121805f..37c82b7  main -> main
[ec2-user@ip-10-0-1-84 wp-repo]$

```

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:instanceState=running

Services Search [Alt+S] Stockholm sample @ 9141-9649-5579

New EC2 Experience

EC2 Dashboard
EC2 Global View
Events
Limits

Instances

Instances

Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations

Instances (1/3) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
wordpress	i-021a8ee79a7bdc325	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1
wordpress-aut...	i-0b9ddf750466777d2	Running	t3.medium	2/2 checks passed	No alarms	eu-north-1
database	i-007530f34a6e64511	Running	t3.micro	2/2 checks passed	No alarms	eu-north-1

Instance: i-0b9ddf750466777d2 (wordpress-automation)

Instance ID i-0b9ddf750466777d2 (wordpress-automation)	Public IPv4 address 13.48.46.123 open address	Private IPv4 addresses 172.31.44.94
IPv6 address	Instance state Running	Public IPv4 DNS

JENKINS AUTOMATION

```
PS C:\Users\sutir\Downloads> ssh -i "june.pem" ec2-user@ec2-13-48-46-123.eu-north-1.compute.amazonaws.com
The authenticity of host 'ec2-13-48-46-123.eu-north-1.compute.amazonaws.com (13.48.46.123)' can't be established.
ED25519 key fingerprint is SHA256:q8FTidVnq4TGHdMrvt/IZ12WNDUqHXL1iD0gNimc0HY.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-48-46-123.eu-north-1.compute.amazonaws.com' (ED25519) to the list of known hosts.

  _ _ _ _ _
 _ _ _ _ _ / Amazon Linux 2 AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-44-94 ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo \
> https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2023-06-23 13:22:40-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 151.101.86.133, 2a04:4e42:14::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|151.101.86.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'

100%[=====] 85 --.-K/s in 0s

2023-06-23 13:22:40 (4.58 MB/s) = '/etc/yum.repos.d/jenkins.repo' saved [85/85]
```



```
[ec2-user@ip-172-31-44-94 ~]$ sudo yum -y install java-11*
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package java-11-amazon-corretto.x86_64 1:11.0.19+7-1.amzn2 will be installed
--> Processing Dependency: dejavu-sans-mono-fonts for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: dejavu-serif-fonts for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: dejavu-sans-fonts for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: giflib for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: alsa-lib for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXtst for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXrandr for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXrender for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXt for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXinerama for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libXi for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: libX11 for package: 1:java-11-amazon-corretto-11.0.19+7-1.amzn2.x86_64
--> Package java-11-amazon-corretto-headless.x86_64 1:11.0.19+7-1.amzn2 will be installed
--> Processing Dependency: log4j-cve-2021-44228-cve-mitigations for package: 1:java-11-amazon-corretto-headless-11.0.19+7-1.amzn2.x86_64
--> Processing Dependency: fontconfig for package: 1:java-11-amazon-corretto-headless-11.0.19+7-1.amzn2.x86_64
--> Package java-11-amazon-corretto-javadoc.x86_64 1:11.0.19+7-1.amzn2 will be installed
--> Running transaction check
--> Package alsa-lib.x86_64 0:1.1.4-1-2.amzn2 will be installed
--> Package dejavu-sans-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Processing Dependency: dejavu-fonts-common = 2.33-6.amzn2 for package: dejavu-sans-fonts-2.33-6.amzn2.noarch
--> Package dejavu-sans-mono-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Package dejavu-serif-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Package fontconfig.x86_64 0:2.13.0-4.3.amzn2 will be installed
--> Processing Dependency: fontpackages-filesystem for package: fontconfig-2.13.0-4.3.amzn2.x86_64
--> Package giflib.x86_64 0:4.1.6-9.amzn2.0.2 will be installed
--> Processing Dependency: libSM.so.6()(64bit) for package: giflib-4.1.6-9.amzn2.0.2.x86_64
```

```
[ec2-user@ip-172-31-44-94 ~]$ sudo systemctl enable jenkins
Created symlink from /etc/systemd/system/multi-user.target.wants/jenkins.service to /usr/lib/systemd/system/jenkins.service.
[ec2-user@ip-172-31-44-94 ~]$ sudo systemctl start jenkins
[ec2-user@ip-172-31-44-94 ~]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
05f7f079c56a4db98ff441acc02d51c3
[ec2-user@ip-172-31-44-94 ~]$ cd /etc
[ec2-user@ip-172-31-44-94 etc]$ cd www
-bash: cd: www: No such file or directory
[ec2-user@ip-172-31-44-94 etc]$ ls
acpi                dhcp                hostname            modules-load.d      rc0.d               ssh
adjtime             DIR_COLORS          hosts               motd                 rc1.d               ssl
aliases             DIR_COLORS.256color hosts.allow          mtab                 rc2.d               statetab
aliases.db          DIR_COLORS.lightbgcolor hosts.deny           my.cnf               rc3.d               statetab.d
alternatives        dracut.conf         idmapd.conf         my.cnf.d             rc4.d               subgid
amazon              dracut.conf.d       image-id            nanorc               rc5.d               subuid
anacrontab          e2fsck.conf         init.d              netconfig            rc6.d               sudo.conf
asound.conf         environment         inittab             NetworkManager      rc.d                sudoers
at.deny             ethertypes          inputrc             networks             rc.local            sudoers.d
audisp              exports             iproute2            nfs.conf             request-key.conf   sudo-ldap.conf
audit               exports.d           issue               nfsmount.conf        request-key.d       sysconfig
bash_completion.d   filesystems         issue.net           nsswitch.conf        resolv.conf        sysctl.conf
bashrc              fonts               krb5.conf           nsswitch.conf.bak    rpc                 sysctl.d
binfmt.d            fstab               ld.so.cache         openldap             rpm                 systemd
chkconfig.d         gcrypt             ld.so.conf          os-release           rsyncd.conf        system-release
chrony.conf         GeoIP.conf          ld.so.conf.d        pam.d                rsyslog.conf       system-release-cpe
chrony.d            GeoIP.conf.default libaudit.conf       passwd               rsyslog.d          terminfo
chrony.keys         gnupg              libnsl              passwd-              rwtab              tmpfiles.d
cifs-utils          groff              libuser.conf        pkcs11               rwtab.d            trusted-key.key
cloud               group              locale.conf         plymouth             sasl2              udev
cron.d              group-             localtime           pki                  scl                 updatedb.conf
cron.daily          grub2.cfg          login.defs          pm                   screenrc            update-motd.d
cron.deny           grub2.cfg          login.defs          pm                   securetty           vimrc
```

```
[ec2-user@ip-172-31-44-94 etc]$ sudo vi sudoers
[ec2-user@ip-172-31-44-94 etc]$ cd
[ec2-user@ip-172-31-44-94 ~]$ cd /var/lib/jenkins/
[ec2-user@ip-172-31-44-94 jenkins]$ ls
```

Jenkins

Search (CTRL+K)

Dashboard

+ New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Add description

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	wordpress-automation	18 min #1	N/A	35 sec

Icon: S M L Icon legend Atom feed for all Atom feed for failures Atom feed for just latest builds

Dashboard > wordpress-automation > Configuration

See [the list of available environment variables](#)

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

```
wget https://wordpress.org/latest.tar.gz
tar -xzf latest.tar.gz
sudo yum -y install httpd
sudo systemctl start httpd
sudo systemctl enable httpd
sudo cp -r wordpress/* /var/www/html/
sudo yum -y install mysql
sudo yum -y install php
sudo yum -y install php-mysql
sudo yum -y install mariadb
sudo yum -y install php -v
```

Advanced

Save Apply

```
Dashboard > wordpress-automation > #1 > Console Output

=====
Install 1 Package

Total download size: 2.9 M
Installed size: 9.1 M
Downloading packages:
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : php-7.2.34-1.amzn2.x86_64                1/1
Verifying  : php-7.2.34-1.amzn2.x86_64                1/1

Installed:
php.x86_64 0:7.2.34-1.amzn2

Complete!
Finished: SUCCESS
```

WordPress Website Loading via CI/CD Jenkins

