

School: CLOUDBOOSTA	Course: Cloud Computing & DevOps
Name: AKOSA SAMUEL ONYEJEKWE	Module: Serverless Computing & Database
	Class 6: Assignment 3 of 6_ Database_2
Student No: CBALC0168	Issue Date: April 1, 2026

Tasks:

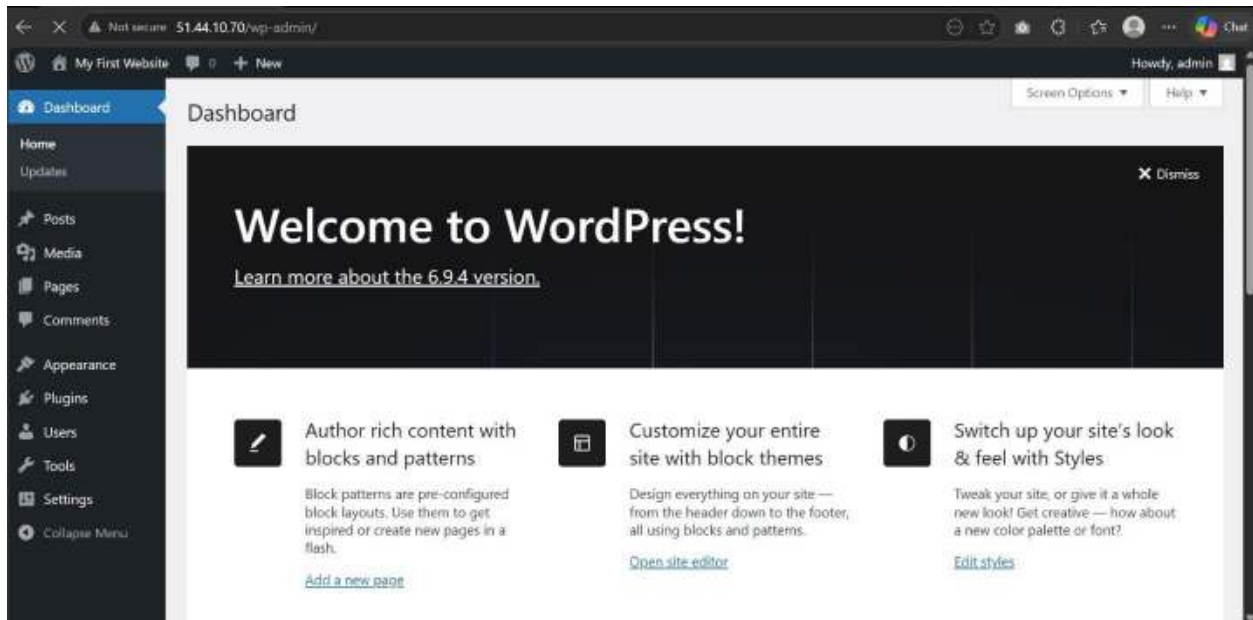
1. SSH into EC2 instance
2. Install Apache web server
3. Download and configure WordPress
4. Deploy WordPress application
5. Access WordPress via browser
6. Complete WordPress installation

Goal:

To deploy a WordPress website on an EC2 instance using Amazon RDS as the backend database.

Result:

- Successfully connected to EC2 instance via SSH
- Apache web server installed and started
- WordPress downloaded, configured, and deployed
- WordPress installation page accessed via browser
- Website successfully installed and login page displayed
- WordPress dashboard accessible



My First Website

New

Howdy, admin

Screen Options

Help

Dashboard

Home

Updates

Posts

Media

Pages

Comments

Appearance

Plugins

Users

Tools

Settings

Collapse Menu

Dashboard

Welcome to WordPress!

[Learn more about the 6.9.4 version.](#)

✍️

Author rich content with blocks and patterns

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.
[Add a new page](#)

🏠

Customize your entire site with block themes

Design everything on your site — from the header down to the footer, all using blocks and patterns.
[Open site editor](#)

🌙

Switch up your site's look & feel with Styles

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?
[Edit styles](#)

Site Health Status

No information yet...

Site health checks will automatically run periodically to gather information about your site. You can also [visit the Site Health screen](#) to gather information about your site now.

At a Glance

📌 1 Post

📄 1 Page

💬 1 Comment

WordPress 6.9.4 running Twenty.Twenty.Five theme.

Activity

Recently Published

Today, 3:57 pmHello world!

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Hi, this is a comment. To get started with moderating, editing, and deleting comments, please visit the Comments screen in...

All (1) | Mine (0) | Pending (0) | Approved (1) | Spam (0) | Trash (0)

Quick Draft

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Content

What's on your mind?

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Attend an upcoming event near you. [Select location](#)

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WordPress 7.0 Release Candidate 2

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Gutenberg Times: WordPress 7.0 Source of Truth, Playground MCP, Gutenberg 22.8, PHP-only Blocks and more — Weekend Edition 362

Gutenberg Times: WordPress 7.0 Source of Truth

Meetups [📍](#) | WordCamps [📅](#) | News [📰](#)

Thank you for creating with WordPress

Version 6.9.4



Evidence from screenshots:

- EC2 connection via Session Manager (page 8)
- WordPress installation process (page 11-13)
- Installation success message (page 14)
- Login page displayed (page 15)
- WordPress dashboard (page 16)

Action:

Step 1: SSH into EC2 Instance

- Verified instance status (2/2 checks passed)
- Connected using SSH client via terminal

Evidence:

- Connection steps and instance summary (page 10-13)
- EC2 connection interface (page 8)

Step 2: Installed Apache Web Server

- Installed Apache:
 - `sudo yum install -y httpd`
- Started Apache:
 - `sudo service httpd start`

Evidence:

- Commands executed (page 14)
- Terminal output showing installation (page 9)

Step 3: Downloaded and Configured WordPress

- Downloaded WordPress:
 - `wget https://wordpress.org/latest.tar.gz`
- Extracted files:
 - `tar -xzf latest.tar.gz`
- Navigated into directory and copied config file:
 - `cp wp-config-sample.php wp-config.php`

Evidence:

- Commands and steps (page 15)
- Terminal output confirming actions (page 9)

Step 4: Configured Database Connection

- Edited `wp-config.php` file
- Updated:
 - Database name
 - Username
 - Password
 - Host (RDS endpoint)

Evidence:

- Configuration steps (page 16-17)

Step 5: Installed Dependencies and Deployed WordPress

- Installed required packages:
 - PHP
 - MariaDB
 - Apache modules

Commands used:

- `sudo dnf install -y php mariadb105`
- `sudo dnf install -y httpd php-mysqlnd php-cli mariadb105-server`
- Copied files to web directory:

- `/var/www/html/`
- Restarted Apache:
 - `sudo service httpd restart`

Evidence:

- Installation logs (page 10)

Step 6: Accessed WordPress via Browser

- Used EC2 Public IP
- Opened WordPress installation page

Evidence:

- WordPress welcome page (page 11)

Step 7: Completed WordPress Installation

- Entered:
 - Site Title: *My First Website*
 - Username: admin
 - Password (auto-generated)
 - Email address
- Clicked **Install WordPress**

Evidence:

- Installation form filled (page 12-13)

Step 8: Verified Deployment

- Installation success message displayed
- Logged into WordPress
- Dashboard accessed successfully

Evidence:

- Success page (page 14)
- Login page (page 15)
- Dashboard (page 16)

Screenshots follow.

Summary

- EC2 instance was accessed via SSH
- Apache web server installed and configured
- WordPress application downloaded and configured
- Database connection established using RDS endpoint
- WordPress successfully deployed and accessed via browser
- Website fully functional with login and dashboard access

✓ Lab objective achieved:

“Deployed WordPress on an EC2 instance with Amazon RDS”

Connect [Info](#)

Connect to an instance using the browser-based client.

Instance ID  i-070c8bb6d5197ddb (Wordpress-instance)	VPC ID  vpc-07e61444329818154	Security groups  sg-0dbba1e64f5e701e0 (ec2-rds-1)  sg-0d90eb60bcc13002 (ApplicationSG)	IAM role  cba-class-ssm-role
--	---	---	---

EC2 Instance Connect	SSM Session Manager	SSH client	EC2 serial console
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SSM agent status

 Introducing Systems Manager just-in-time node access
 Move towards zero standing privileges by requiring operators to request access before remotely connecting to instances. [Learn more](#)


```
Verifying      : mailcap-2.1.49-3.amzn2023.0.3.noarch
Verifying      : mod_http2-2.0.27-1.amzn2023.0.3.x86_64
Verifying      : mod_lua-2.4.66-1.amzn2023.0.1.x86_64
```

```
11/
12/
13/
```

```
Installed:
apr-1.7.5-1.amzn2023.0.4.x86_64
apr-util-lmdb-1.6.3-1.amzn2023.0.2.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-core-2.4.66-1.amzn2023.0.1.x86_64
httpd-tools-2.4.66-1.amzn2023.0.1.x86_64
mailcap-2.1.49-3.amzn2023.0.3.noarch
mod_lua-2.4.66-1.amzn2023.0.1.x86_64
apr-util-1.6.3-1.amzn2023.0.2.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.2.x86_64
httpd-2.4.66-1.amzn2023.0.1.x86_64
httpd-filesystem-2.4.66-1.amzn2023.0.1.noarch
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mod_http2-2.0.27-1.amzn2023.0.3.x86_64
```

```
Complete!
[ec2-user@ip-172-31-8-60 ~]$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-172-31-8-60 ~]$ wget https://wordpress.org/latest.tar.gz
--2026-03-28 15:29:58-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252, 2607:f978:5:8002::c68f:a4fc
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 27064862 (26M) [application/octet-stream]
Saving to: 'latest.tar.gz'
```

```
latest.tar.gz          100%[=====>] 25.81M 16.7MB/s in 1.5s
```

```
2026-03-28 15:30:00 (16.7 MB/s) - 'latest.tar.gz' saved [27064862/27064862]
```

```
[ec2-user@ip-172-31-8-60 ~]$ tar -xzf latest.tar.gz
[ec2-user@ip-172-31-8-60 ~]$ cd wordpress
[ec2-user@ip-172-31-8-60 wordpress]$ cp wp-config-sample.php wp-config.php
[ec2-user@ip-172-31-8-60 wordpress]$ nano wp-config.php
[ec2-user@ip-172-31-8-60 wordpress]$ sudo dnf install -y php mariadb105
```

```
Installing      : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
Running scriptlet: mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
Verifying       : libsodium-1.0.19-5.amzn2023.x86_64
Verifying       : libxslt-1.1.43-1.amzn2023.0.3.x86_64
Verifying       : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
Verifying       : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
Verifying       : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
Verifying       : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64
Verifying       : nginx-filesystem-1:1.28.2-1.amzn2023.0.1.noarch
Verifying       : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64
Verifying       : php8.5-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-cli-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-common-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-fpm-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-mbstring-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-pdo-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-process-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-sodium-8.5.3-1.amzn2023.0.1.x86_64
Verifying       : php8.5-xml-8.5.3-1.amzn2023.0.1.x86_64
```

```
Installed:
libsodium-1.0.19-5.amzn2023.x86_64
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
nginx-filesystem-1:1.28.2-1.amzn2023.0.1.noarch
php8.5-8.5.3-1.amzn2023.0.1.x86_64
php8.5-common-8.5.3-1.amzn2023.0.1.x86_64
php8.5-mbstring-8.5.3-1.amzn2023.0.1.x86_64
php8.5-process-8.5.3-1.amzn2023.0.1.x86_64
php8.5-xml-8.5.3-1.amzn2023.0.1.x86_64
libxslt-1.1.43-1.amzn2023.0.3.x86_64
mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64
perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64
php8.5-cli-8.5.3-1.amzn2023.0.1.x86_64
php8.5-fpm-8.5.3-1.amzn2023.0.1.x86_64
php8.5-pdo-8.5.3-1.amzn2023.0.1.x86_64
php8.5-sodium-8.5.3-1.amzn2023.0.1.x86_64
```

```
Complete!
[ec2-user@ip-172-31-8-60 wordpress]$ sudo dnf install -y httpd php-mysqlnd php-cli mariadb105-server
```



Welcome

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	
Username	 Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password	brs)(jvg*KQ4(^zzpy Strong Important: You will need this password to log in. Please store it in a secure location.
Your Email	 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	



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Site Title	My First Website
Username	admin Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password	brs)(jvg*KQ4(^zzpy Hide Strong Important: You will need this password to log in. Please store it in a secure location.
Your Email	 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	



Welcome

You must provide an email address.

Site Title

Username

Names can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

 Hide

Strong

Important: You will need this password to log in. Please store it in a secure location.

Your Email

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 admin

Password *Your chosen password.*

[Log In](#)



Username or Email Address

samuelonyejekwe852@g

Password

brs)(jvg*KQ4(^zzp

☐ Remember Me

Log In

[Lost your password?](#)

[← Go to My First Website](#)

My First Website

0

New

Howdy, admin

Screen Options

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1 Page

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WordPress 6.9.4 running [Twenty Twenty-Five](#) theme.

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Recently Published

Today, 3:57 pm

Hello world!

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From A WordPress Commenter on Hello world!
Hi, this is a comment. To get started with moderating, editing, and deleting comments, please visit the Comments screen in...

All (1)

Mine (0)

Pending (0)

Approved (1)

Spam (0)

Trash (0)

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