TASK: DEPLOY WORDPRESS SITE WITH AMAZON RDS

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INTRODUCTION:

This report is based on deploying WordPress site with Amazon RDS which is used to create, modify, and maintain websites, blogs, etc.

SERVICE USED:

- Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable computing capacity—literally, servers in Amazon's data centers—that you use to build and host your software systems.
- Amazon EC2 provides developers the tools to build failure resilient applications and isolate them from common failure scenarios.
- Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the cloud.
- It provides cost-efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks.

STEPS TO BE FOLLOWED:

- Step 1: Open the management console
- Step 2: Click on services and go to EC2.
- Step 3: Launch the EC2 instance by providing required information like name, key pair, etc.
- Step 4: Once the instance has been launched, connect the instance using EC2 instance connect.
- Step 5: Now type the following commands and execute it.
- Step 6: Using management console, create a database using Amazon RDS while execution.
- Step 7: Provide the required information such as db name, engine option, etc.
- Step 8: Continue the execution by typing the commands to install WordPress.
- Step 9: Also configure the database information when the suitable command is provided.

- Step 10: Now head to RDS console and select the running database to edit the inbound rules.
- Step 11: After editing, restart the program execution to obtain the output
- Step 12: Go to connect to instance in EC2 to copy the ip address and paste it where the WordPress site opens.

SCREENSHOTS OF MY POC:
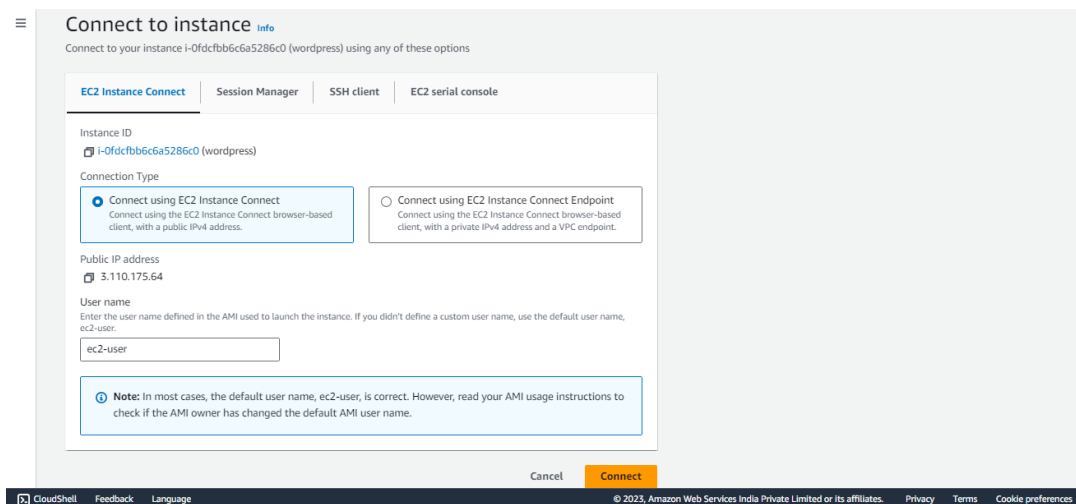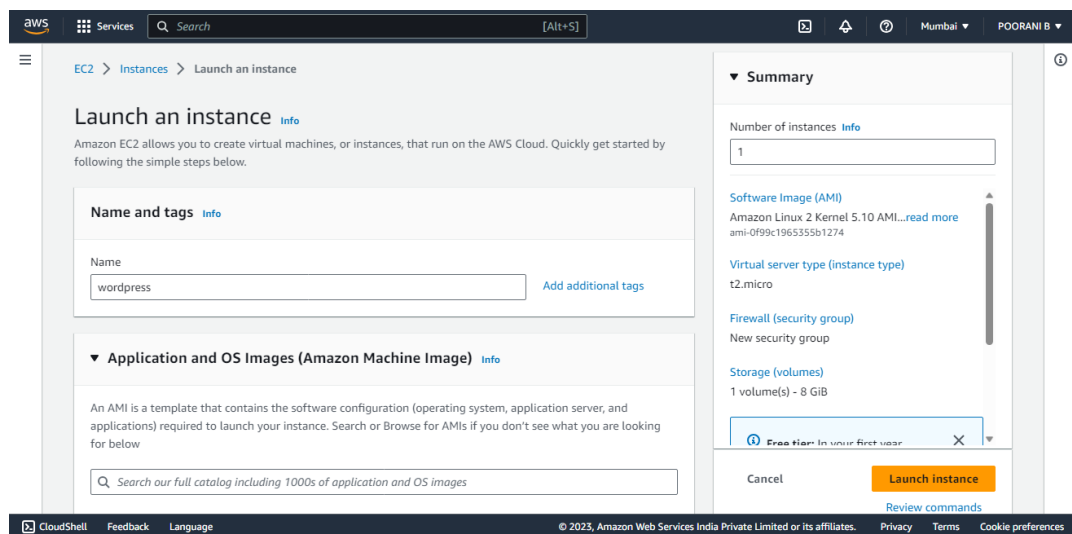
RDS > Create database

Create database

Choose a database creation method Info

○ **Standard create**
You set all of the configuration options, including ones for availability, security, backups, and maintenance.

○ **Easy create**
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine type Info

○ Aurora (MySQL Compatible)

○ Aurora (PostgreSQL Compatible)

● MySQL

○ MariaDB

○ PostgreSQL

○ Oracle

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.

- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.

- Supports automated backup and point-in-time recovery.

- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

RDS > Databases > db

db

Modify Actions ▾

Summary

DB identifier	CPU	Status	Class
db	▭ 3.93%	⊘ Available	db.t2.micro
Role	**Current activity**	**Engine**	**Region & AZ**
Instance	▭ 0 Connections	MySQL Community	ap-south-1b

Connectivity & security | Monitoring | Logs & events | Configuration | Maintenance & backups | Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint	Availability Zone	VPC security groups
db.c5l8luhxualy.ap-south-1.rds.amazonaws.com	ap-south-1b	default (sg-0052bd76df41228d4)
		⊘ Active
	VPC	
Port	vpc-00a45336d64255ad2	Publicly accessible

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

t5aPH*^wCS(i0%KyG!   👁 Hide

Strong

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

W 🏠 AWS 🔄 1 💬 0 + New   Howdy, poors

Dashboard   Screen Options ▾   Help ▾

Home
Updates 1

📌 Posts   **Welcome to WordPress!**   ✕ Dismiss
📷 Media
📄 Pages   Learn more about the 6.2.2 version.
💬 Comments
🎨 Appearance
🔌 Plugins 1   ✏️ Author rich content with   🖼 Customize your entire site   ◐ Switch up your site's look
👤 Users   blocks and patterns   with block themes   & feel with Styles
🔧 Tools
⚙️ Settings   Block patterns are pre-configured   Design everything on your site —   Tweak your site, or give it a whole new
◀ Collapse menu   block layouts. Use them to get   from the header down to the footer, look! Get creative — how about a new
                              inspired or create new pages in a   all using blocks and patterns.   color palette or font?
                              flash.
                                                                  Open site editor
                              Add a new page

                           ❗ PHP Update Recommended   ∧ ∨   Quick Draft   ∧ ∨