AWS Assignment -3

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(ON CONSOLE)

Q 01.

1. Create Security Group:

- Create one security group for the web server.

- Configure inbound rules for the web server security group to allow HTTP traffic (port 80) and SSH traffic (port 22) from any source.

2. Launch EC2 Instance:

- Launch an EC2 instance for the web server using Amazon Linux 2 AMI.

- Associate the web server security group created earlier with this instance.

- Use an appropriate instance type for a web server.

- Ensure the instance has a public IP address.

3. SSH Access:

- Generate an SSH key pair for secure access to the instances.

- Configure the web server instance to accept SSH connections using the generated key pair.

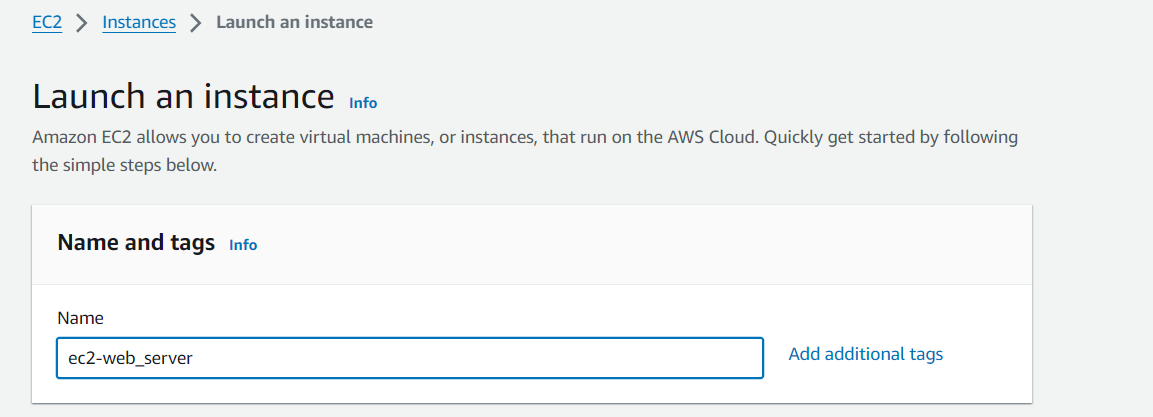
- Attempt to SSH into the web server instance to verify successful access.

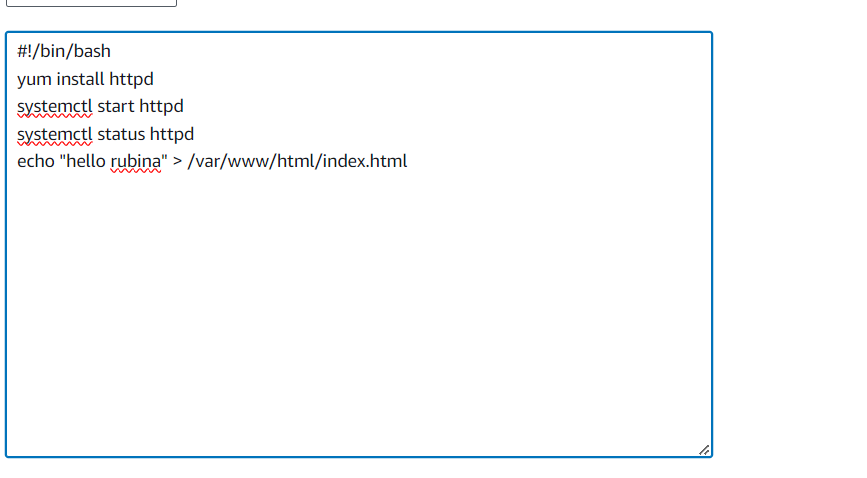
4. Web Application Setup:

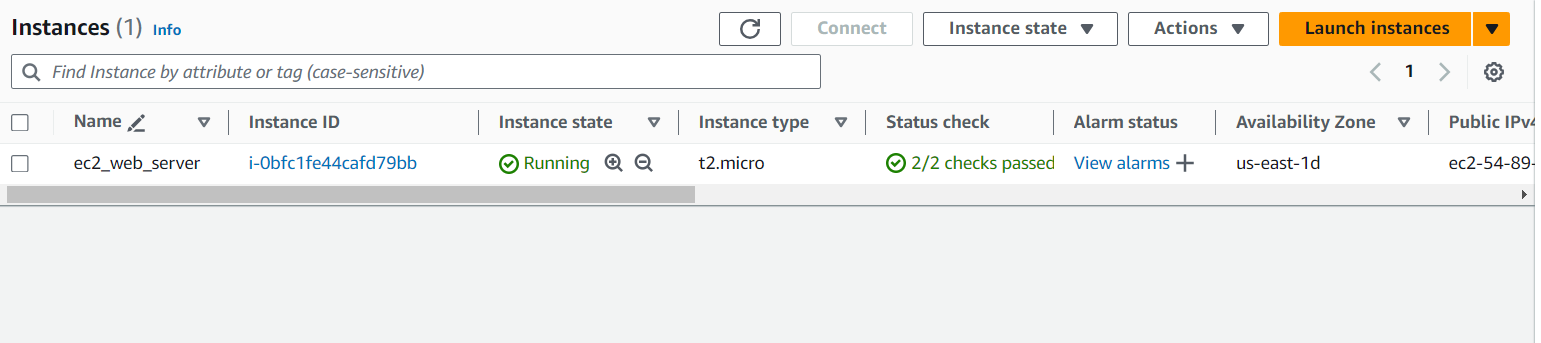
- Install a web server (e.g., Apache or Nginx) on the web server instance.

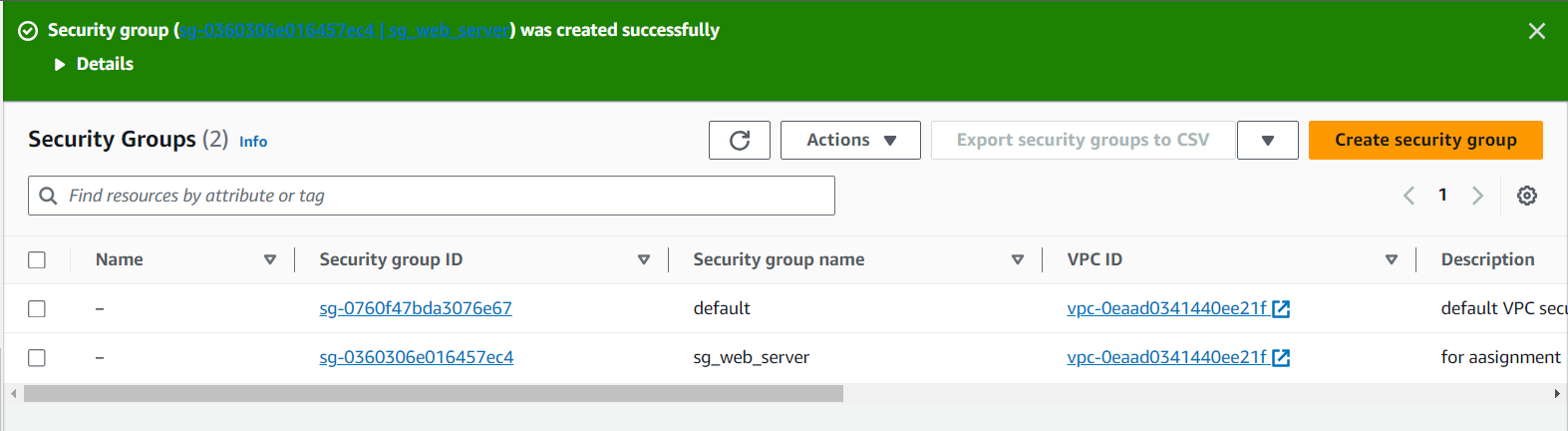
- Create a simple HTML page to confirm the web server is working.

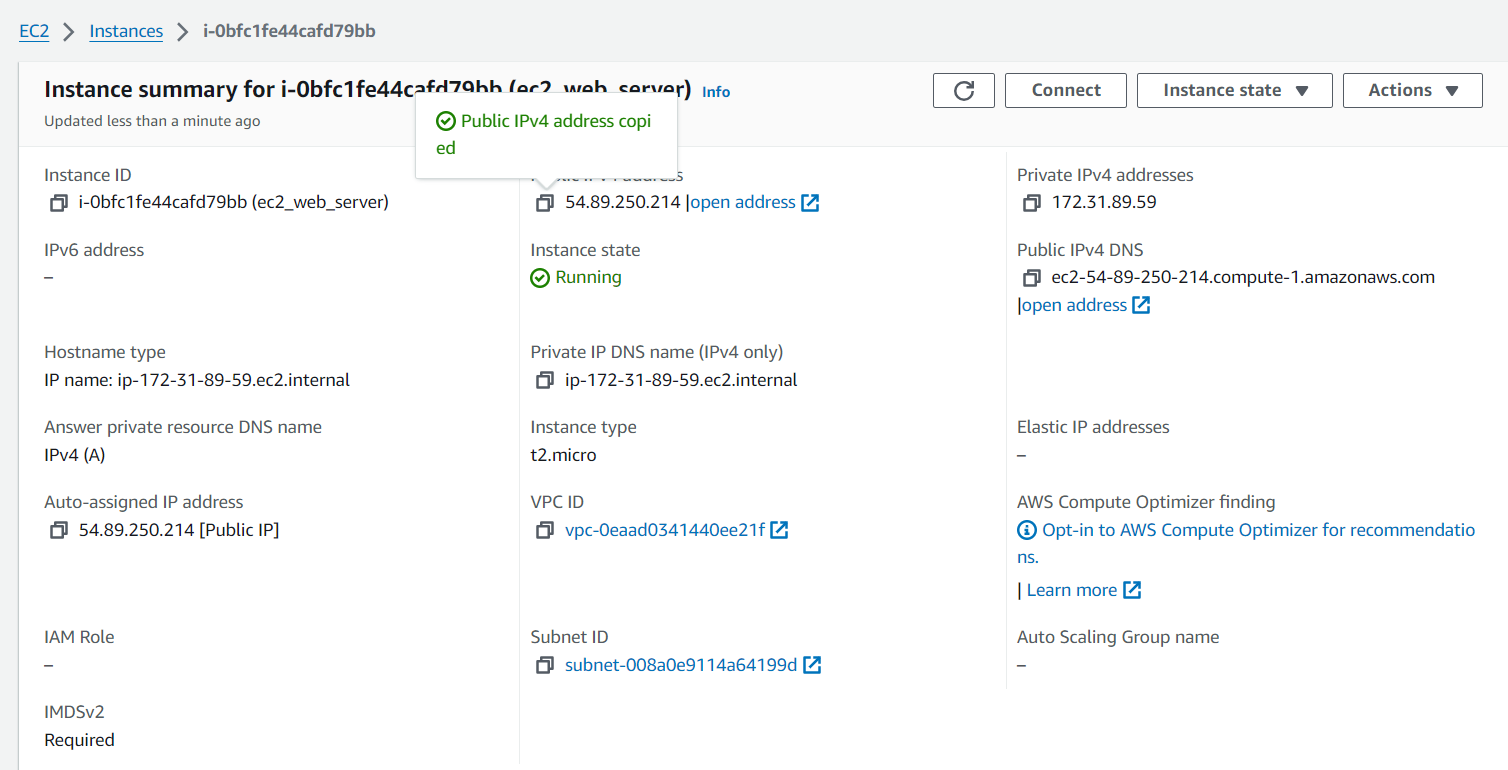
- Test accessing the web server's public IP address in a web browser.

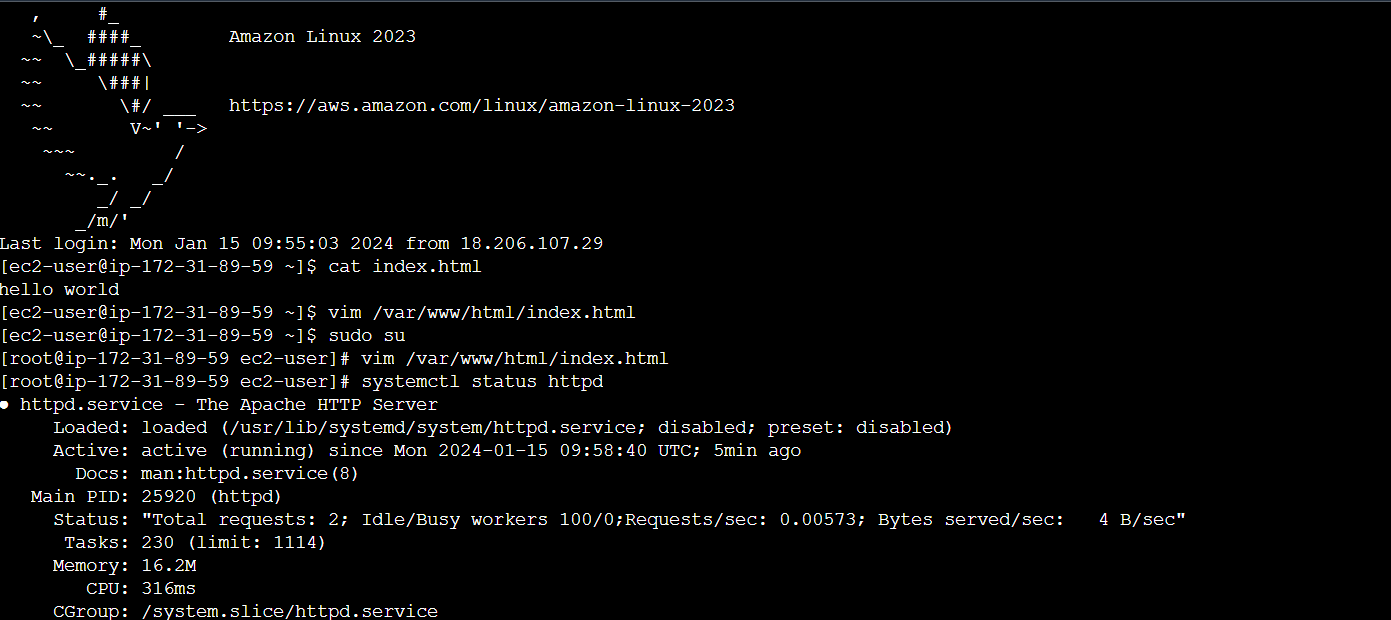


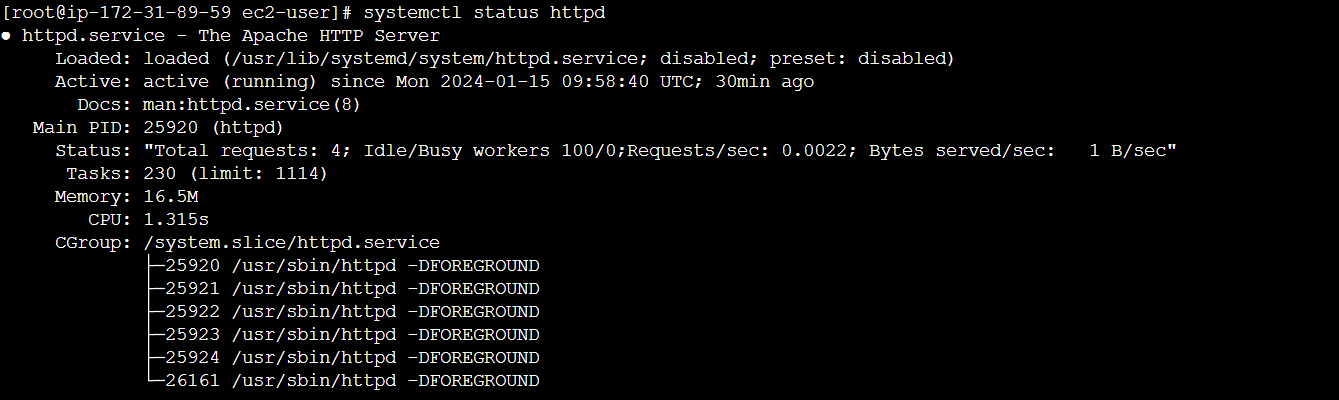


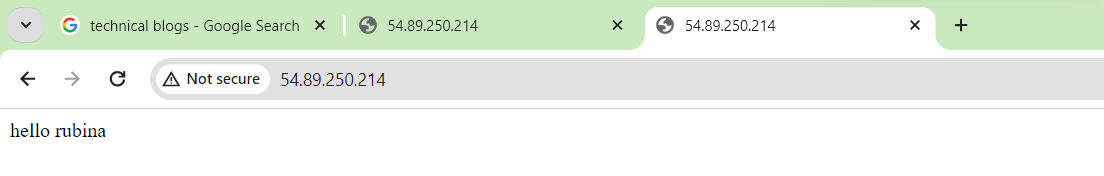












Q 02.

1. Create Security Group for Web Server Using AWS CLI:

- Use the AWS CLI to create a security group for the web server.

- Configure inbound rules to allow HTTP traffic (port 80) and SSH traffic (port 22) from any source.

2. Launch EC2 Instance for Web Server Using AWS CLI:

- Use the AWS CLI to launch an EC2 instance for the web server using Amazon Linux 2 AMI.

- Associate the security group created earlier with this instance.

- Use an appropriate instance type for a web server.

- Ensure the instance has a public IP address.

3. SSH Access Using AWS CLI:

- Use the AWS CLI to generate an SSH key pair for secure access to the web server instance.

- Configure the web server instance to accept SSH connections using the generated key pair.

- Use the AWS CLI to attempt to SSH into the web server instance to verify successful access.

4. Web Application Setup Using AWS CLI:

- Use the AWS CLI to install a web server (e.g., Apache or Nginx) on the web server instance.

- Create a simple HTML page using the AWS CLI to confirm the web server is working.

- Use the AWS CLI to test accessing the web server's public IP address in a web browser.

