**Connect to Ec2-Instance Console/ CLI**

#### Connect via AWS Console

1. Launch EC2 Instance: First, create an EC2 instance using either the console or CLI.
2. Instance Connection:
   * Go to your Instances list and click on the Instance ID.
   * On the instance details page, select Connect (found on the right side).
   * Under EC2 Instance Connect, click Connect to open the instance shell in your browser.
3. SSH Client Connection:

Alternatively, connect via SSH by using the command provided in the SSH client section:

bash  
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ssh -i "newkeypair.pem" ec2-user@ec2-52-6-251-26.compute-1.amazonaws.com

#### Connect via CLI

Run SSH Command: Use the command provided in the SSH client section to connect via CLI:

bash  
Copy code  
ssh -i "newkeypair.pem" ec2-user@ec2-52-6-251-26.compute-1.amazonaws.com

1. Note: Ensure that the .pem file is located in the same directory where you execute this command.

#### Troubleshooting Connectivity Issues

If you are unable to connect, you may need to adjust inbound rules:

1. Modify Security Group Inbound Rules:

Add an ingress rule for SSH to the instance’s security group. Replace the security group ID as needed:

bash  
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aws ec2 authorize-security-group-ingress --group-id "sg-03a50b08d049283de" --protocol tcp --port 22 --cidr "0.0.0.0/0"

1. Re-create Instance:

If necessary, terminate the existing instance and launch a new one using:

bash  
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aws ec2 run-instances --image-id ami-08e4e35cccc6189f4 --count 1 --instance-type t2.micro --key-name <Key-Pair-Name> --security-groups default

1. Reconnect:

Use the updated SSH command from the SSH client section on the Instance Dashboard:

bash  
Copy code  
ssh -i "newkeypair.pem" ec2-user@ec2-52-6-251-26.compute-1.amazonaws.com

This ensures a secure and seamless connection to your EC2 instance.