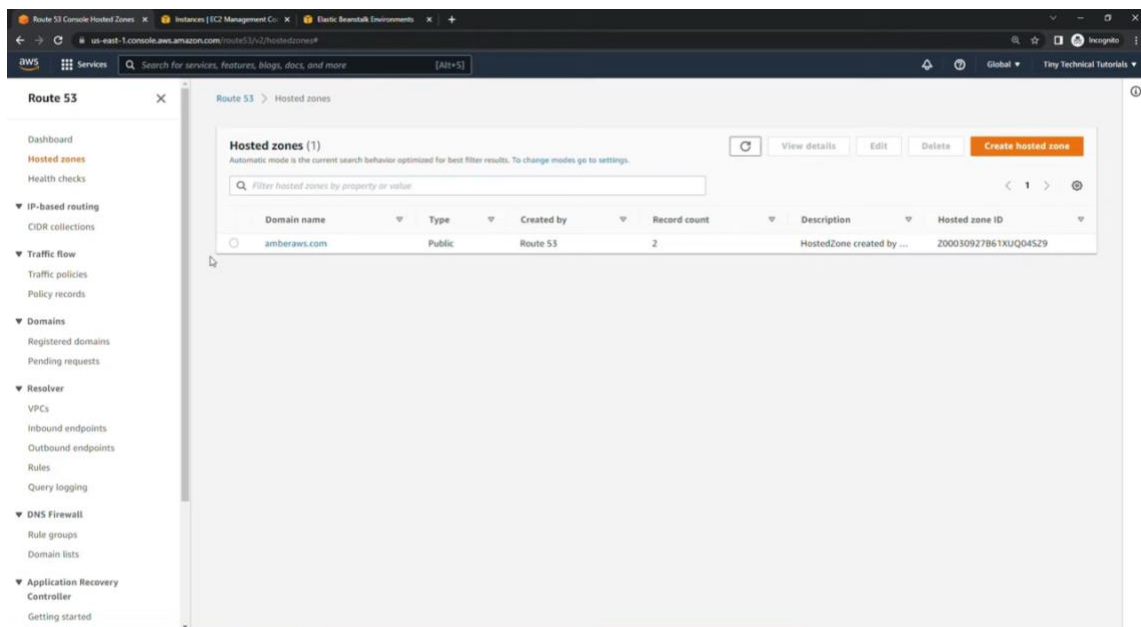
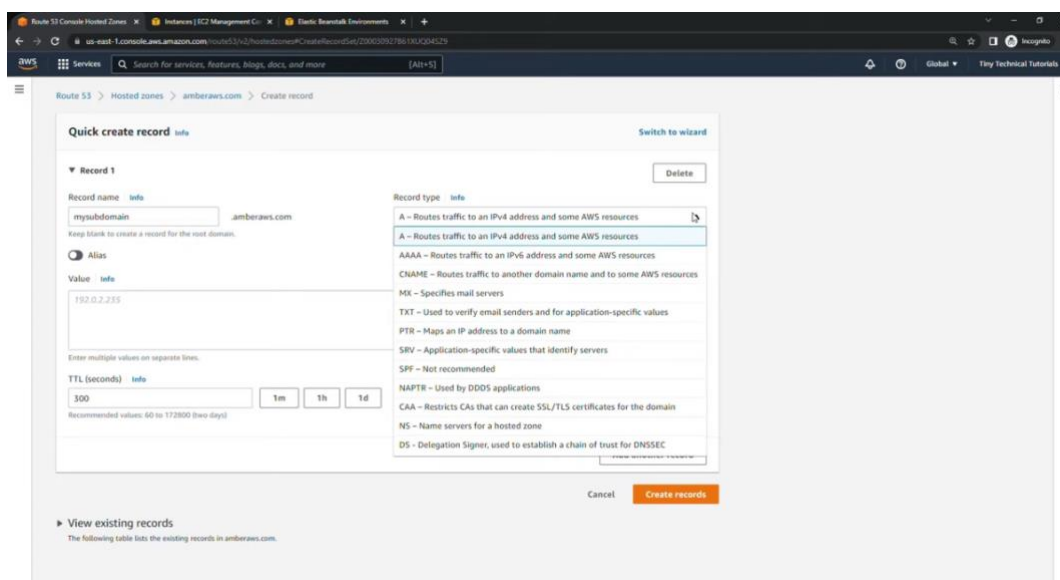
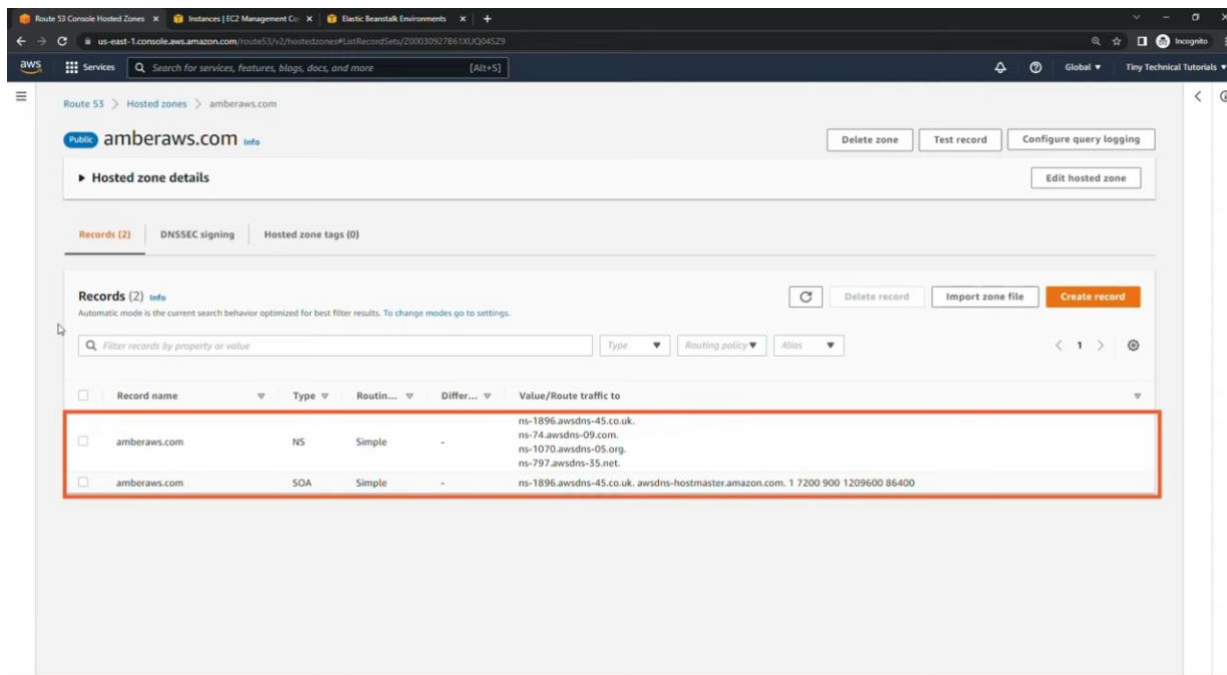


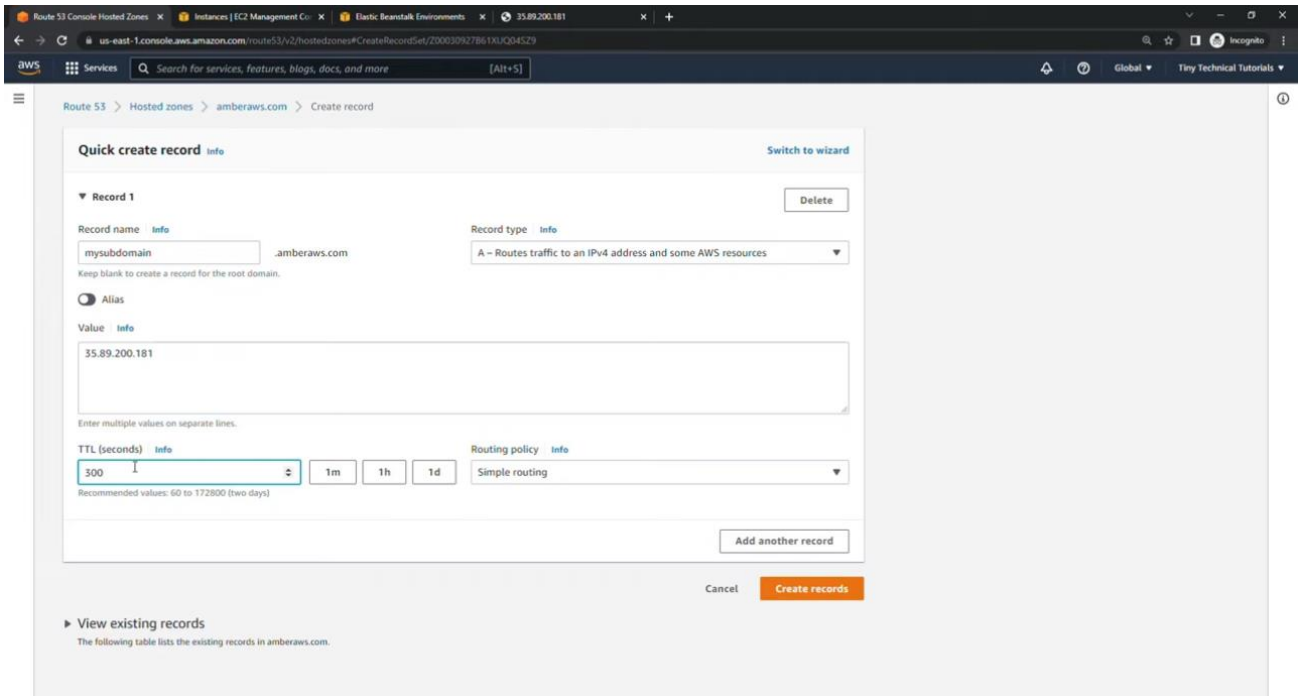
TASK 1

Step 1: Create a Hosted Zone in Route 53

- . Go to AWS Console → **ROUTE53**
- . Click Hosted zones → **CREATE HOSTED ZONES**
- . Enter your domain name
- . Type: **Public Hosted Zone**
- . **CLICK CREATE**







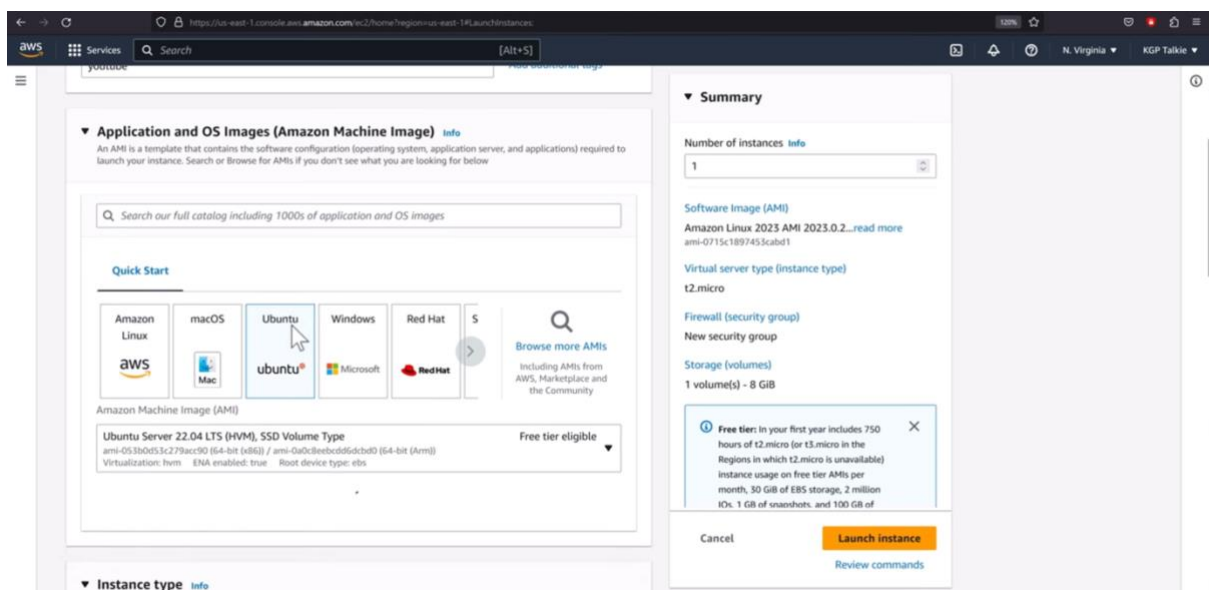
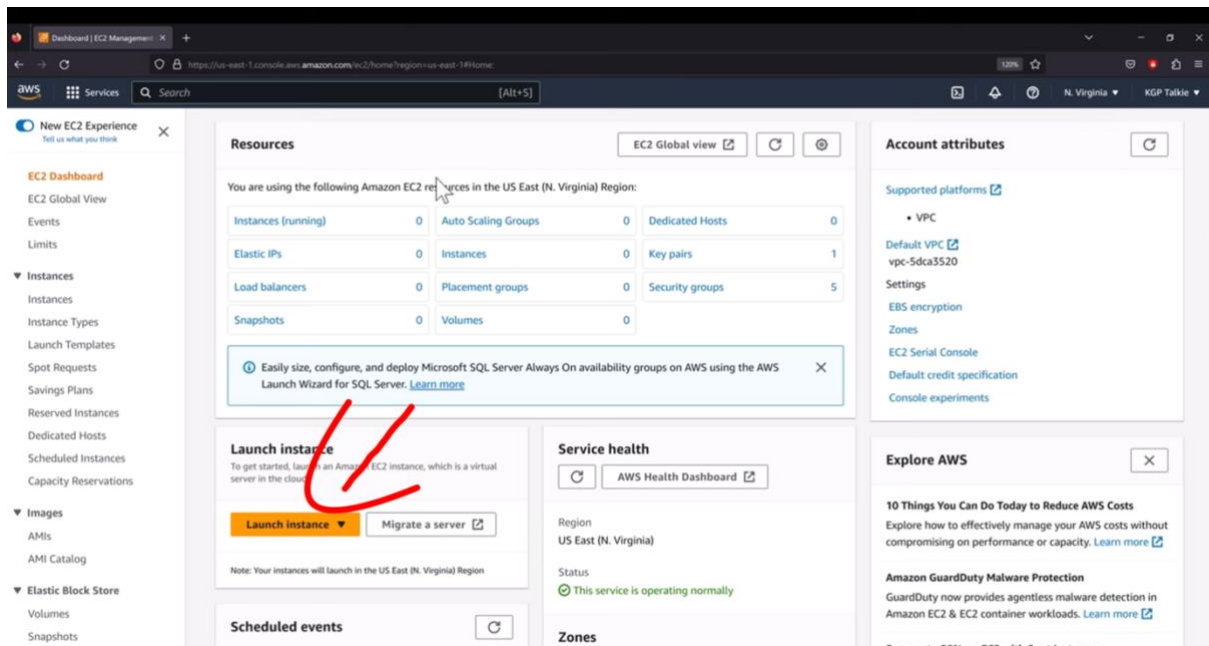
Step 2: Launch and Configure EC2 Instance

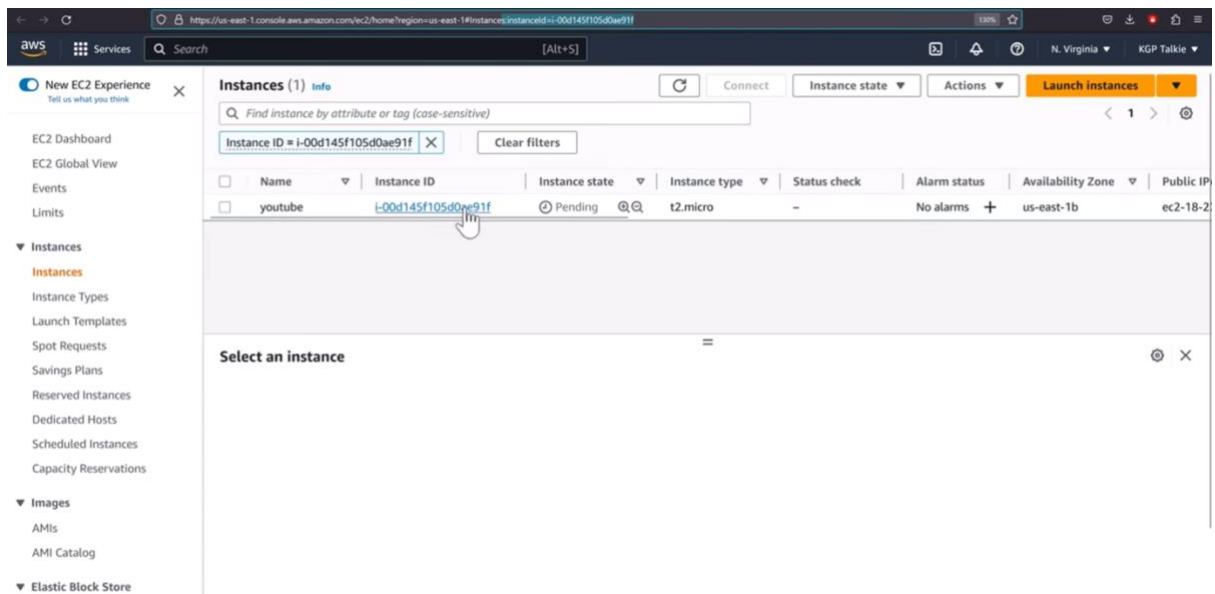
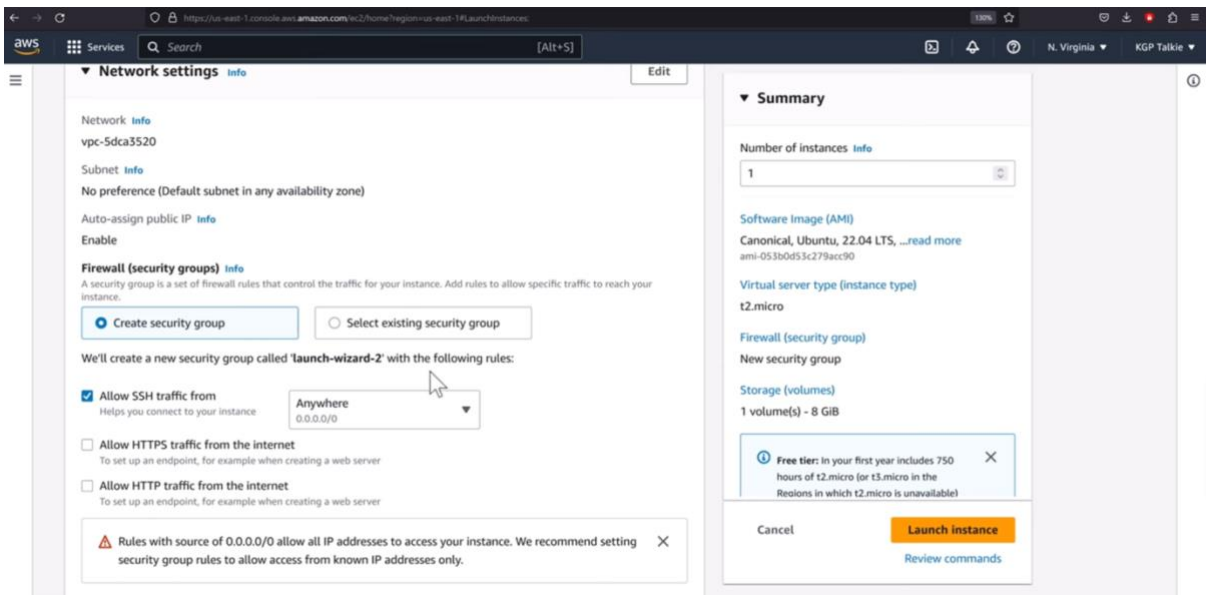
- . Go to AWS Console → **EC2** → **Launch Instance**
- . Choose Ubuntu
- . Instance type: t3.micro
- .. Key Pair: Create or use an existing key
- 5.

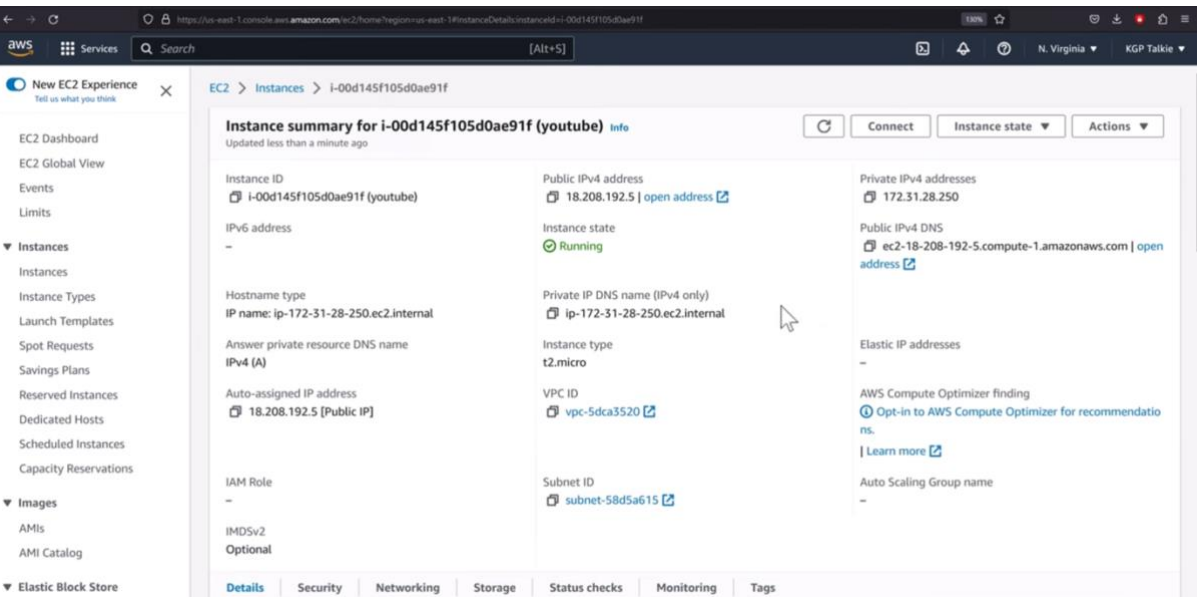
. Configure:

- Network: Choose existing VPC and subnet
- Security Group: Allow **Ports 22 (SSH), 80, 8080 (for Jenkins)**

.. Launch the instance







Step 3: Install Jenkins on EC2

1. `sudo apt update`
2. `sudo apt upgrade -y`
3. `sudo apt install openjdk-17-jdk -y`
4. `java -version`
5. **Add Jenkins GPG Key and Repository:**
`curl -fsSLhttps://pkg.jenkins.io/debianstable/jenkins.io2023.key`
`| sudo tee \ /usr/share/keyrings/jenkins-keyring.asc > /dev/null`

`echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \`
`https://pkg.jenkins.io/debian-stable binary/`
`| sudo tee \ /etc/apt/sources.list.d/jenkins.list > /dev/null`
6. `sudo apt update`
7. `sudo apt install jenkins -y`
8. `sudo systemctl start jenkins`
9. `sudo systemctl enable jenkins`

◆ Result:

Visit <http://16.171.155.95:8080> to access Jenkins

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Scheduled Instances
Capacity Reservations

▼ Images
AMIs
AMI Catalog

▼ Elastic Block Store

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
youtube	i-00d145f105d0ae91f	Running	t2.micro	Initializing	No alarms +	us-east-1b	ec2-18-2

Instance: i-00d145f105d0ae91f (youtube)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-00d145f105d0ae91f (youtube)	Public IPv4 address 18.208.192.5 open address	Private IPv4 addresses 172.31.28.250
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-18-208-192-5.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-28-250.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-28-250.ec2.internal	

aws Services Search [Alt+S]

EC2 > Instances > i-00d145f105d0ae91f > Connect to instance

Connect to instance Info

Connect to your instance i-00d145f105d0ae91f (youtube) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID
i-00d145f105d0ae91f (youtube)

Public IP address
18.208.192.5

User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ubuntu.
ubuntu

Note: In most cases, the default user name, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel Connect

