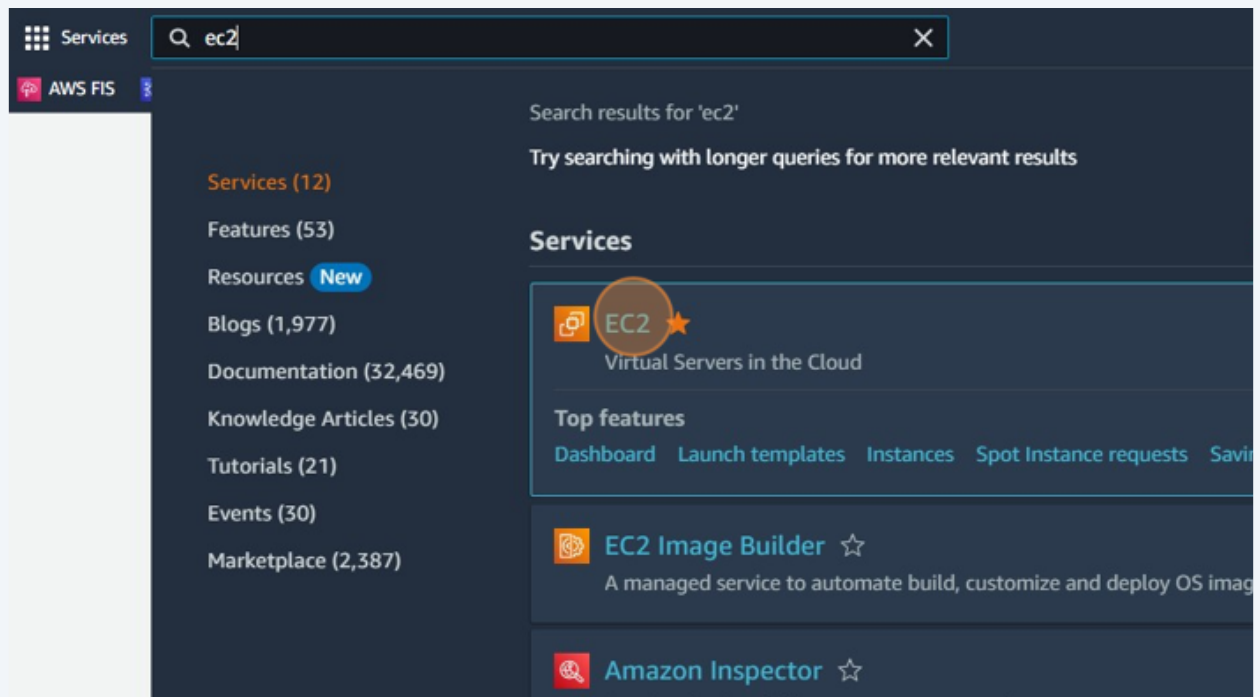


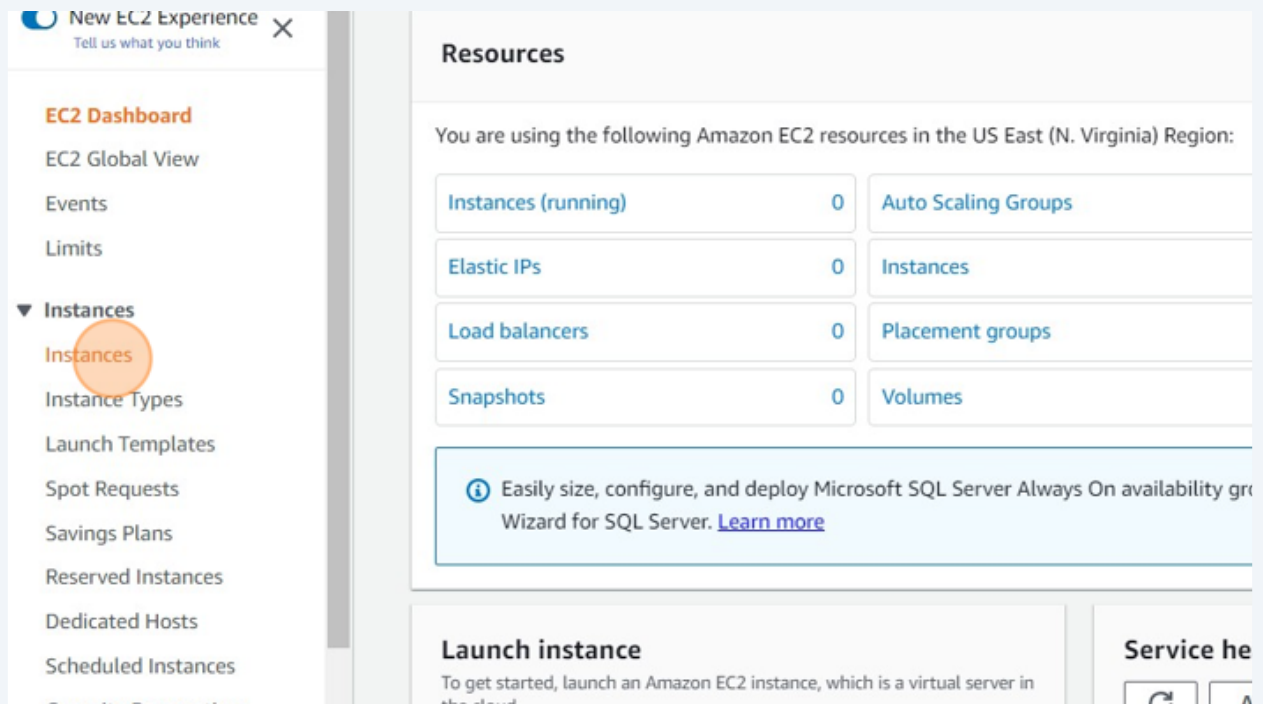
AWS EC2 Hands On - Created By Lasantha

1 Navigate to us-east-1.console.aws.amazon.com/console/home?r...

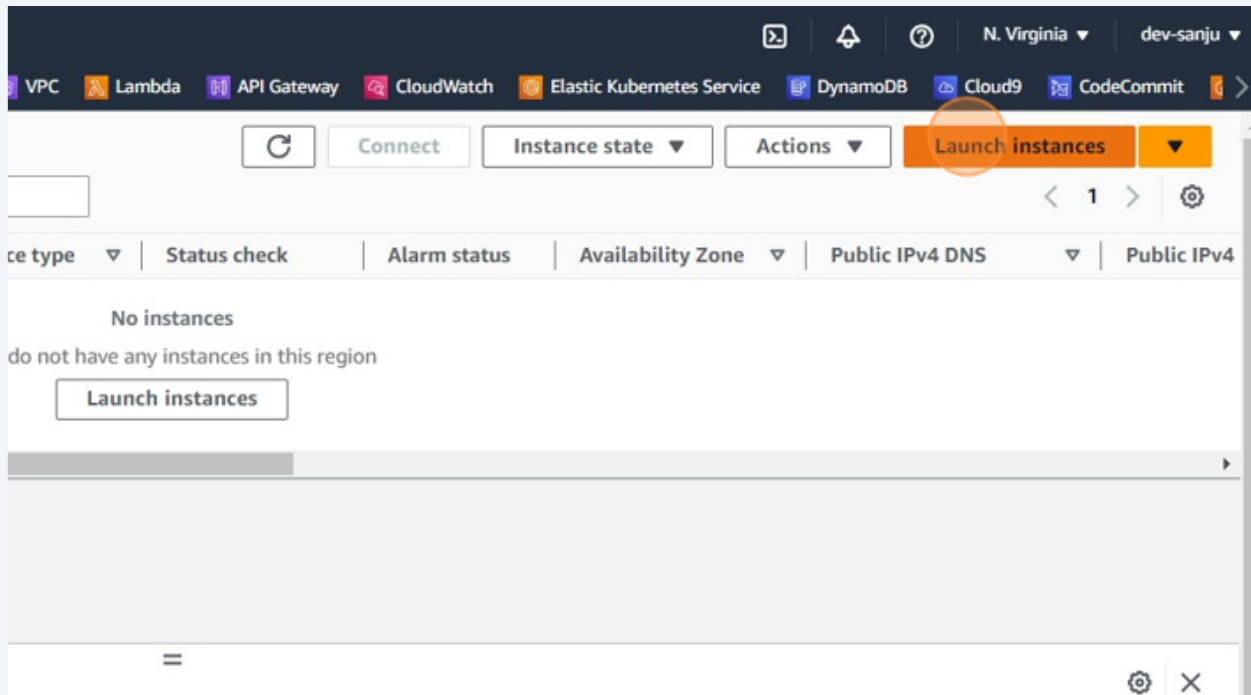
2 Click "EC2"



3 Click "Instances"



4 Click "Launch instances"



- 5 Click the "Name" field.

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

e.g. My Web Server

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍

Search our full catalog including 1000s of application and OS images

- 6 Type "demo-ec2"

Made with Scribe - <https://scribehow.com>

3

7

Click "ami-04a0ae173da5807d3 (64-bit (x86)) / ami-0227fce518bfee4bb (64-bit (Arm))"

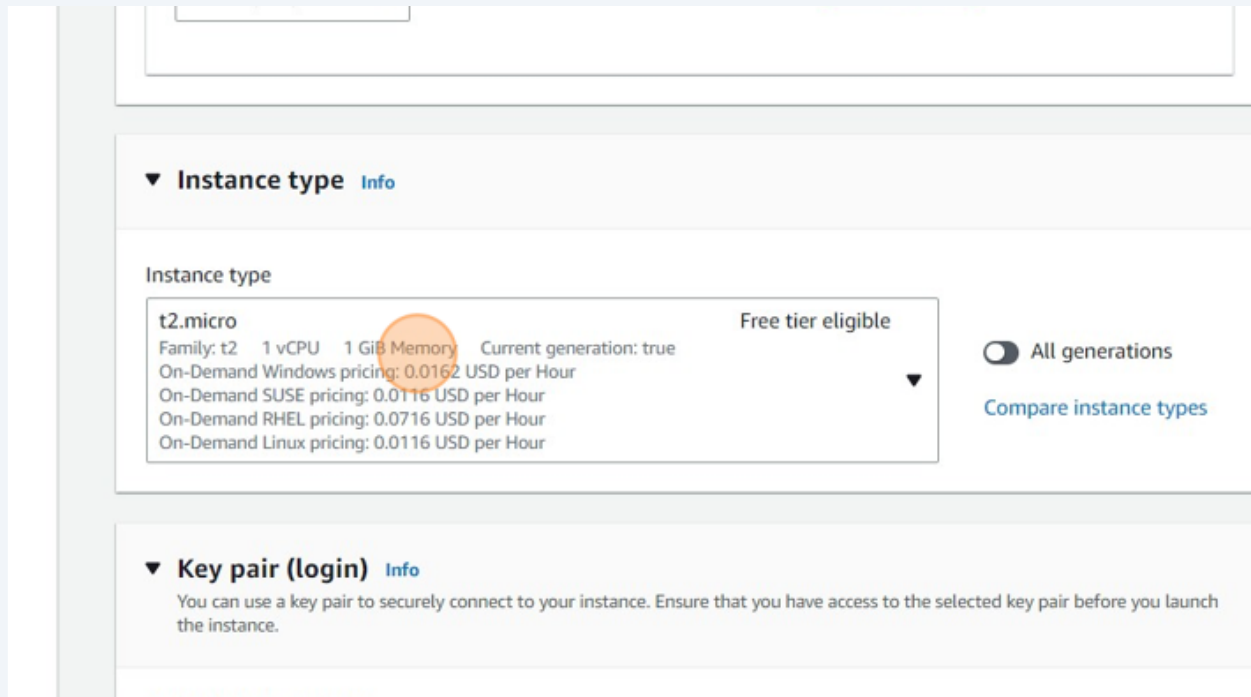
The screenshot shows the AWS Quick Start page. At the top, there are tabs for different operating systems: Amazon Linux, macOS, Ubuntu, Windows, and Red Hat. The Amazon Linux tab is selected. Below the tabs, there is a search bar and a link to "Browse more AMIs". The main content area displays the "Amazon Linux 2023 AMI" with the AMI ID "ami-04a0ae173da5807d3 (64-bit (x86)) / ami-0227fce518bfee4bb (64-bit (Arm))". The AMI is marked as "Free tier eligible". Below the AMI ID, there is a description: "Amazon Linux 2023 AMI 2023.0.20230607.0 x86_64 HVM kernel-6.1". The architecture is set to "64-bit (x86)" and the AMI ID is "ami-04a0ae173da5807d3". A "Verified provider" badge is visible next to the AMI ID.

8

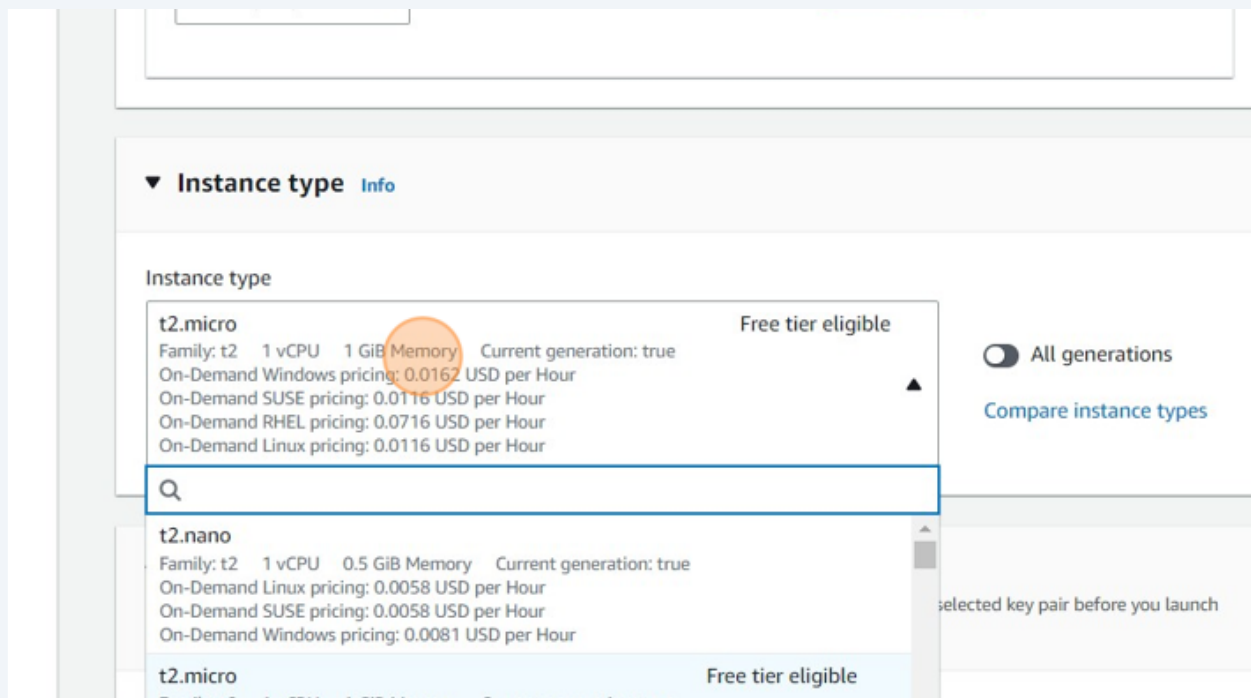
Click "ami-04a0ae173da5807d3 (64-bit (x86)) / ami-0227fce518bfee4bb (64-bit (Arm))"

The screenshot shows the AWS Quick Start page. At the top, there are tabs for different operating systems: Amazon Linux, macOS, Ubuntu, Windows, and Red Hat. The Amazon Linux tab is selected. Below the tabs, there is a search bar and a link to "Browse more AMIs". The main content area displays the "Amazon Linux 2023 AMI" with the AMI ID "ami-04a0ae173da5807d3 (64-bit (x86)) / ami-0227fce518bfee4bb (64-bit (Arm))". The AMI is marked as "Free tier eligible". Below the AMI ID, there is a description: "Amazon Linux 2023 AMI 2023.0.20230607.0 x86_64 HVM kernel-6.1". The architecture is set to "64-bit (x86)" and the AMI ID is "ami-04a0ae173da5807d3". A "Verified provider" badge is visible next to the AMI ID.

9 Click "1 GiB Memory"



10 Click "1 GiB Memory"



11 Click "Select"

On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour

[Compare instance types](#)

▼ **Key pair (login)** [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

[Create new key pair](#)

▼ **Network settings** [Info](#) [Edit](#)

Network [Info](#)
vpc-0f76947bedfc03c33

Subnet [Info](#)

12 Click "Create new key pair"

On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour

[Compare instance types](#)

connect to your instance. Ensure that you have access to the selected key pair before you launch

[Create new key pair](#)

[Edit](#)

Software Image (AMI)
Amazon Linux 2023 AMI 2023.0.2...read
ami-04a0ae173da5807d3

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage 2 million IOs, 1 GB of snapshots, and

13 Click the "Key pair name" field.

The screenshot shows the AWS 'Create key pair' modal window. At the top, there's a navigation bar with various AWS services. The modal has a title bar with a close button. Below the title, the 'Key pair name' section includes a text input field with the placeholder 'Enter key pair name'. An orange circle highlights this input field. Below the input, a note states: 'The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.' The 'Key pair type' section has two radio button options: 'RSA' (selected) and 'ED25519'. The 'Private key file format' section is partially visible at the bottom.

14 Type "dev-sanju-key"

15 Click "Create key pair"

pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair

write key file format

☒ pem
or use with OpenSSH

☐ ppk
or use with PuTTY

⚠ When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Cancel Create key pair

16 Click this checkbox.

instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance Anywhere (0.0.0.0/0)

☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ Configure storage [Info](#) [Advanced](#)

17 Click "Advanced details"

The screenshot shows the 'Configure storage' section of the AWS console. It includes a dropdown for '1x' with '8' selected, a 'GiB' unit, and a 'gp3' storage type. A note indicates that free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. There is an 'Add new volume' button and a section for '0 x File systems' with an 'Edit' link. The 'Advanced details' section is highlighted with a blue circle and an orange circle.

▼ **Configure storage** [Info](#) Advanced

1x GiB ▼ Root volume (Not encrypted)

[i](#) Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage [X](#)

[Add new volume](#)

0 x File systems Edit

► **Advanced details** [Info](#)

18 Click the "User data - optional Info" field.

The screenshot shows the 'User data - optional Info' section of the AWS console. It includes a 'Select' dropdown, an 'Allow tags in metadata' section with an 'Info' link and a 'Select' dropdown, and a large text area for entering user data. The text area is highlighted with an orange circle.

Allow tags in metadata [Info](#)

▼

User data - optional [Info](#)
Enter user data in the field.

19 Add following Script.

Additional Info
The field.

```
httpd
yum update -y
yum install -y httpd
systemctl start httpd
systemctl enable httpd
echo "<h1>Hello World from $(hostname -f)</h1>" > /var/www/html/index.html
```

Software Image (AMI)
Amazon Linux 2023 AMI
ami-04a0ae173da5807d3

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

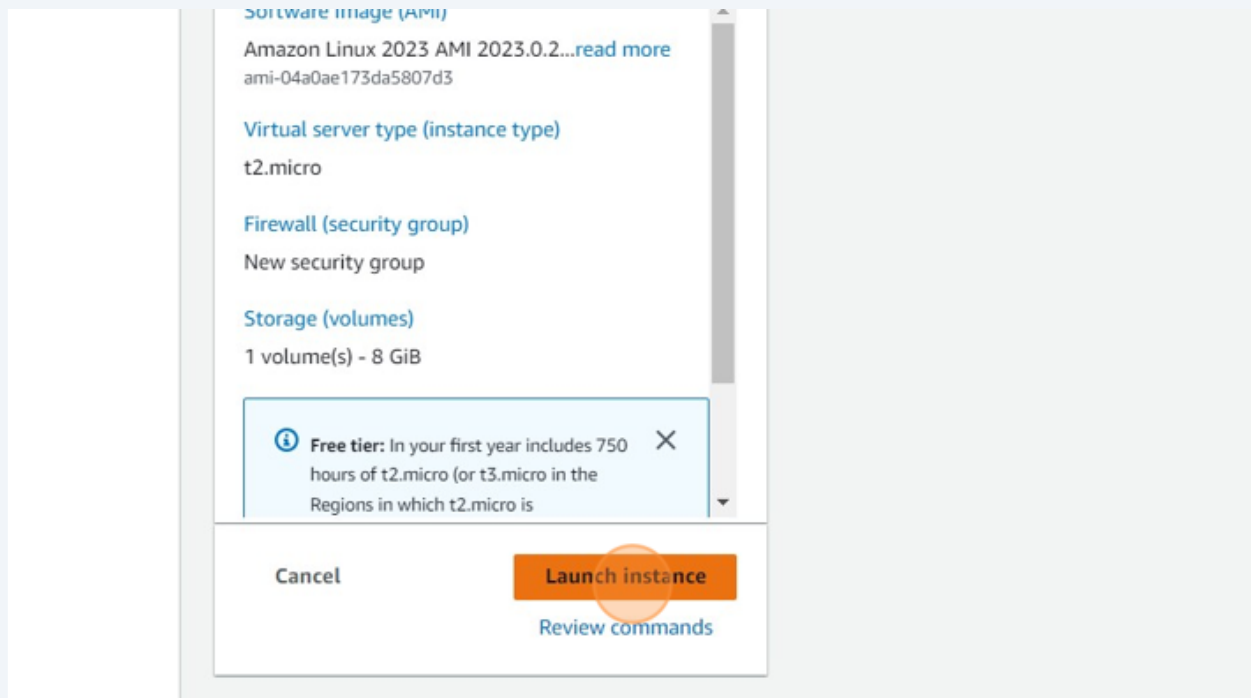
Free tier: In your first 750 hours of t2.micro (or t3.micro) usage per month in the Regions in which t2 (or t3) is available.

Cancel

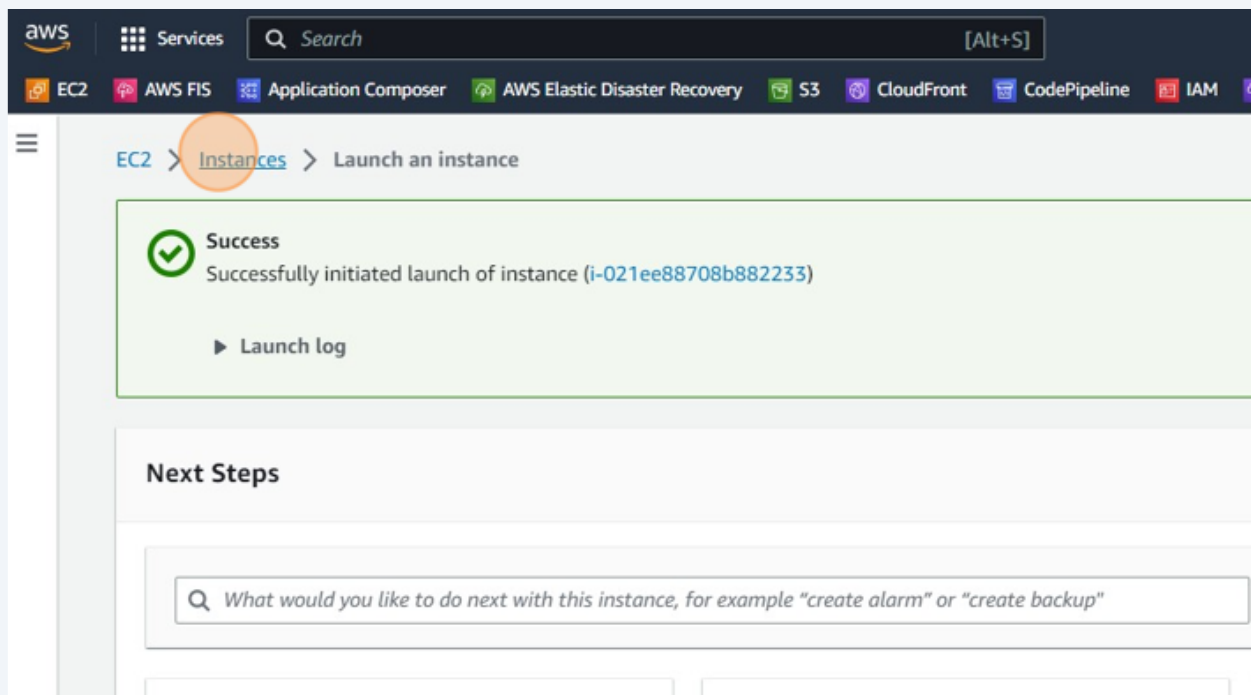
20

```
#!/bin/bash
yum update -y
yum install -y httpd
systemctl start httpd
systemctl enable httpd
echo "<h1>Hello World from $(hostname -f)</h1>" > /var/www/html/index.html
```

21 Click "Launch instance"



22 Click "Instances"



23 Click "i-021ee88708b882233"

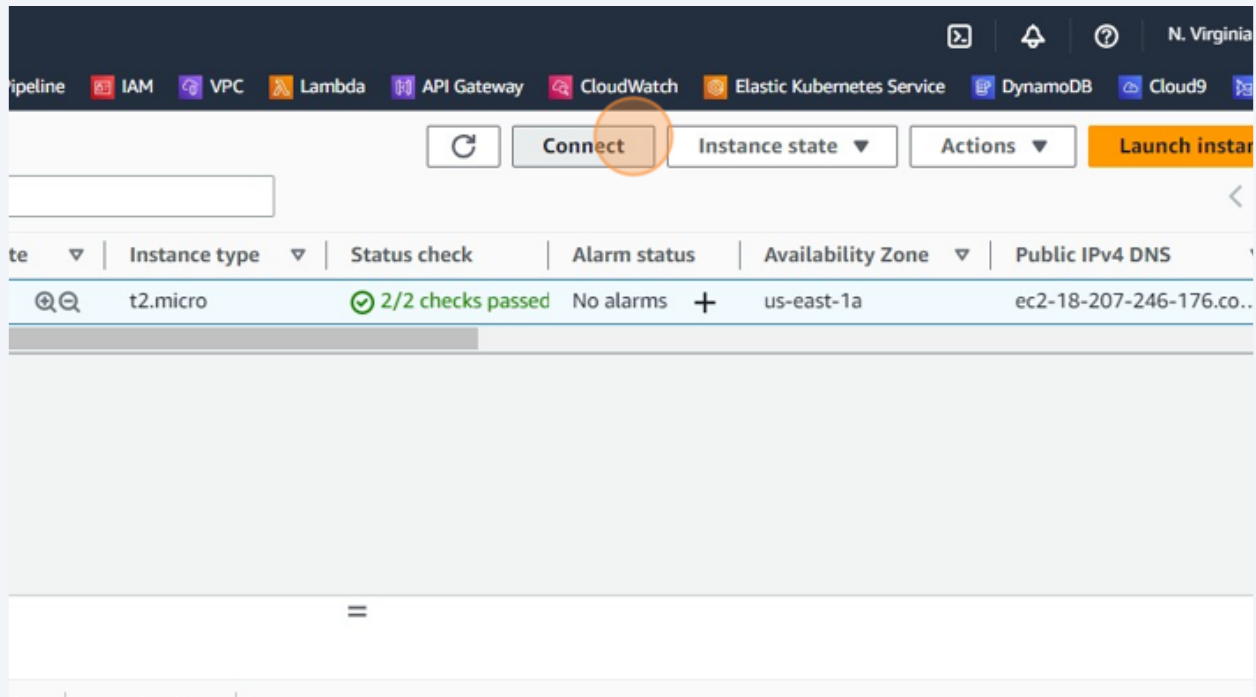
The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with 'Services' and a search bar. Below it, a horizontal bar contains icons for various services: AWS FIS, Application Composer, AWS Elastic Disaster Recovery, S3, CloudFront, CodePipeline, IAM, and VPC. On the left, a sidebar menu is partially visible with items like 'New EC2 Experience', 'Dashboard', 'Global View', 'Instances', 'Instance Types', 'Launch Templates', 'Request', and 'Plans'. The main content area is titled 'Instances (1) Info'. It features a search bar with the placeholder text 'Find instance by attribute or tag (case-sensitive)'. Below this is a table with columns: 'Name', 'Instance ID', 'Instance state', and 'Instance type'. A single row is visible with the name 'demo-ec2', the ID 'i-021ee88708b882233' (which is circled in orange), the state 'Running' with a green checkmark icon, and the type 't2.micro'. At the bottom of the main content area, there's a button labeled 'Select an instance'.

24 Click "open address"

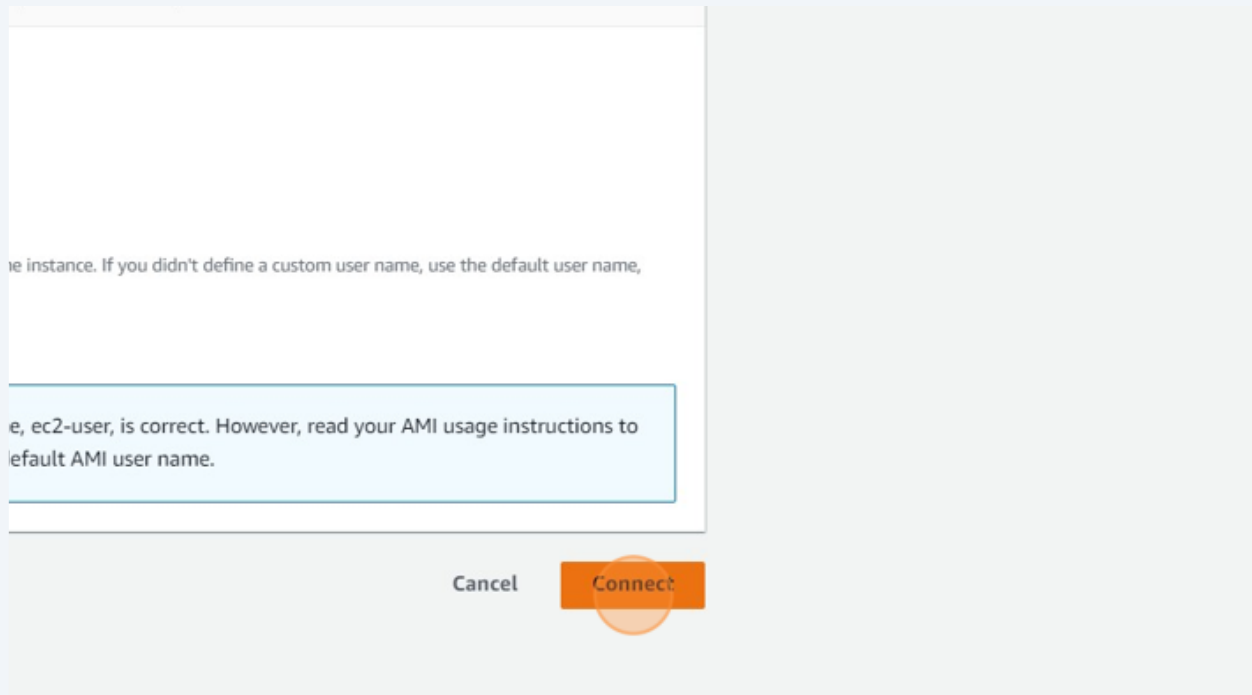
The screenshot shows the details of the instance 'demo-ec2'. At the top, there's a navigation bar with 'Connect', 'Instance state', and 'Actions' buttons. Below this, the instance details are displayed in a two-column layout. The left column contains: 'Public IPv4 address' with the value '07.246.176' and a link 'open address'; 'Instance state' with the value 'Running'; 'Private DNS name (IPv4 only)' with the value 'i-021ee88708b882233'; and 'Instance type' with the value 't2.micro'. The right column contains: 'Private IPv4 addresses' with the value '172.31.92.179'; 'Public IPv4 DNS' with the value 'ec2-18-207-246-176.compute-1.amazonaws.com' and a link 'open address' (which is circled in orange); 'Elastic IP addresses' with the value '-'; and 'AWS Compute Optimizer finding' with the text 'Opt-in to AWS Compute Optimizer for recommendations.' and a link 'Learn more'.

25 You can see the server is up and running.

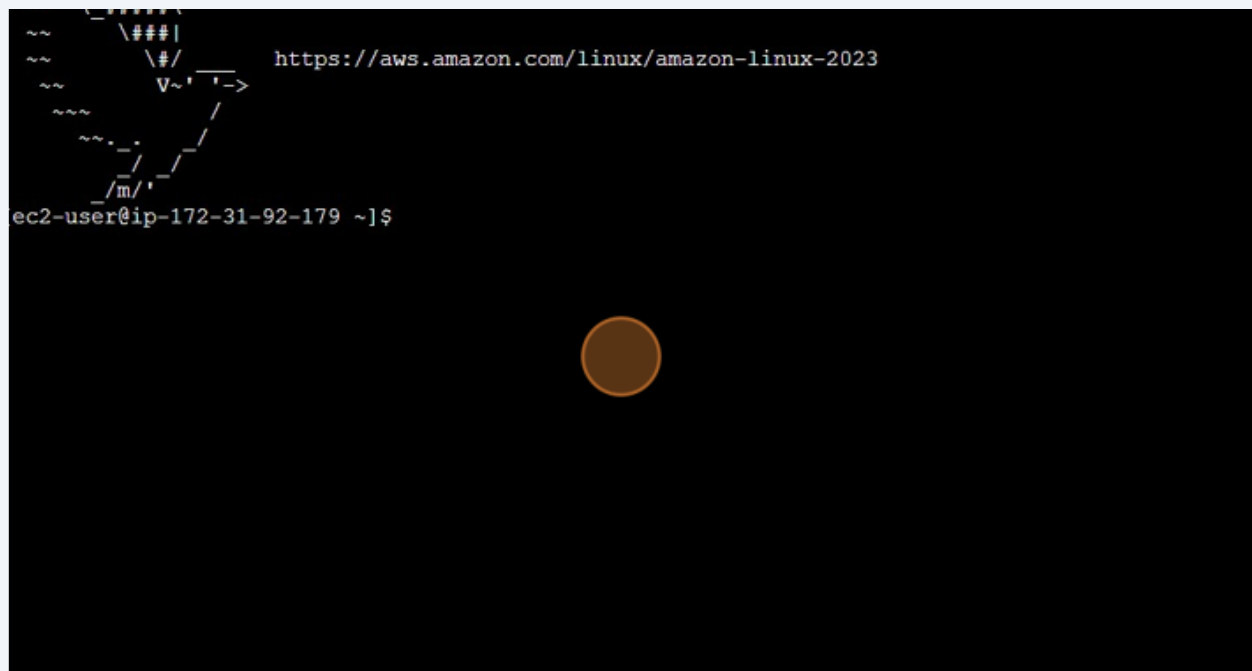
26 Click "Connect"



27 Click "Connect"



28 Click here.



29

Thank You !!