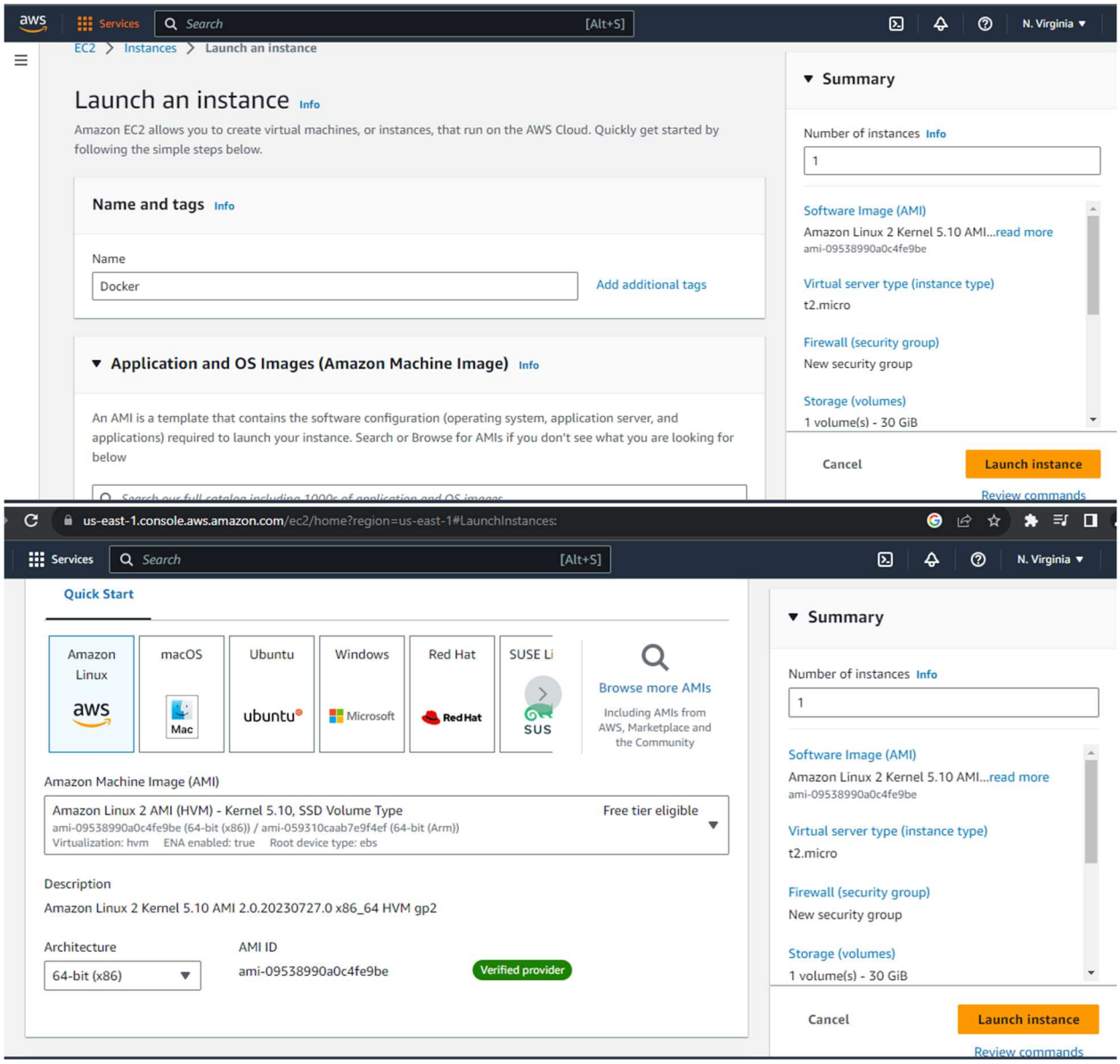
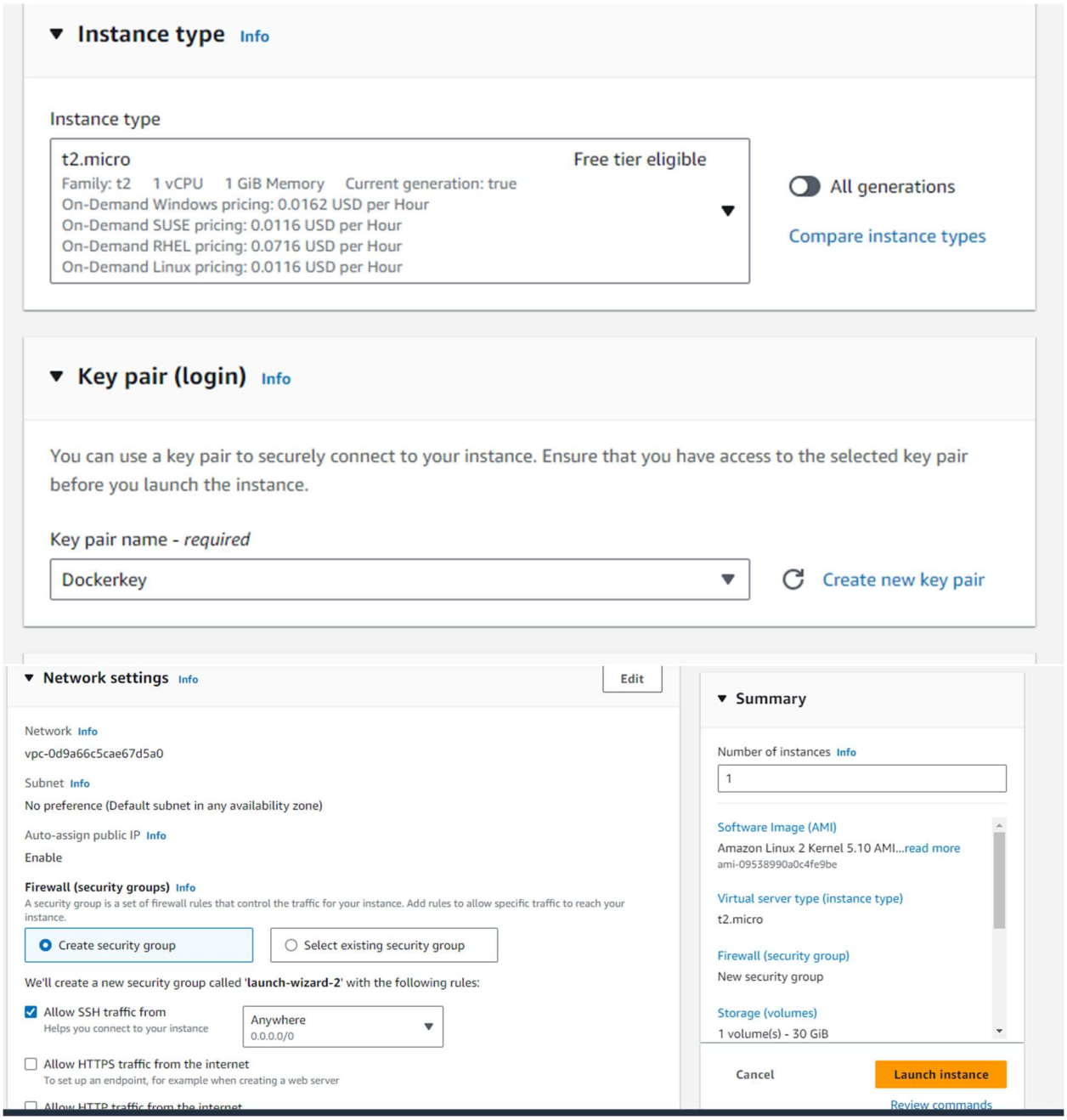
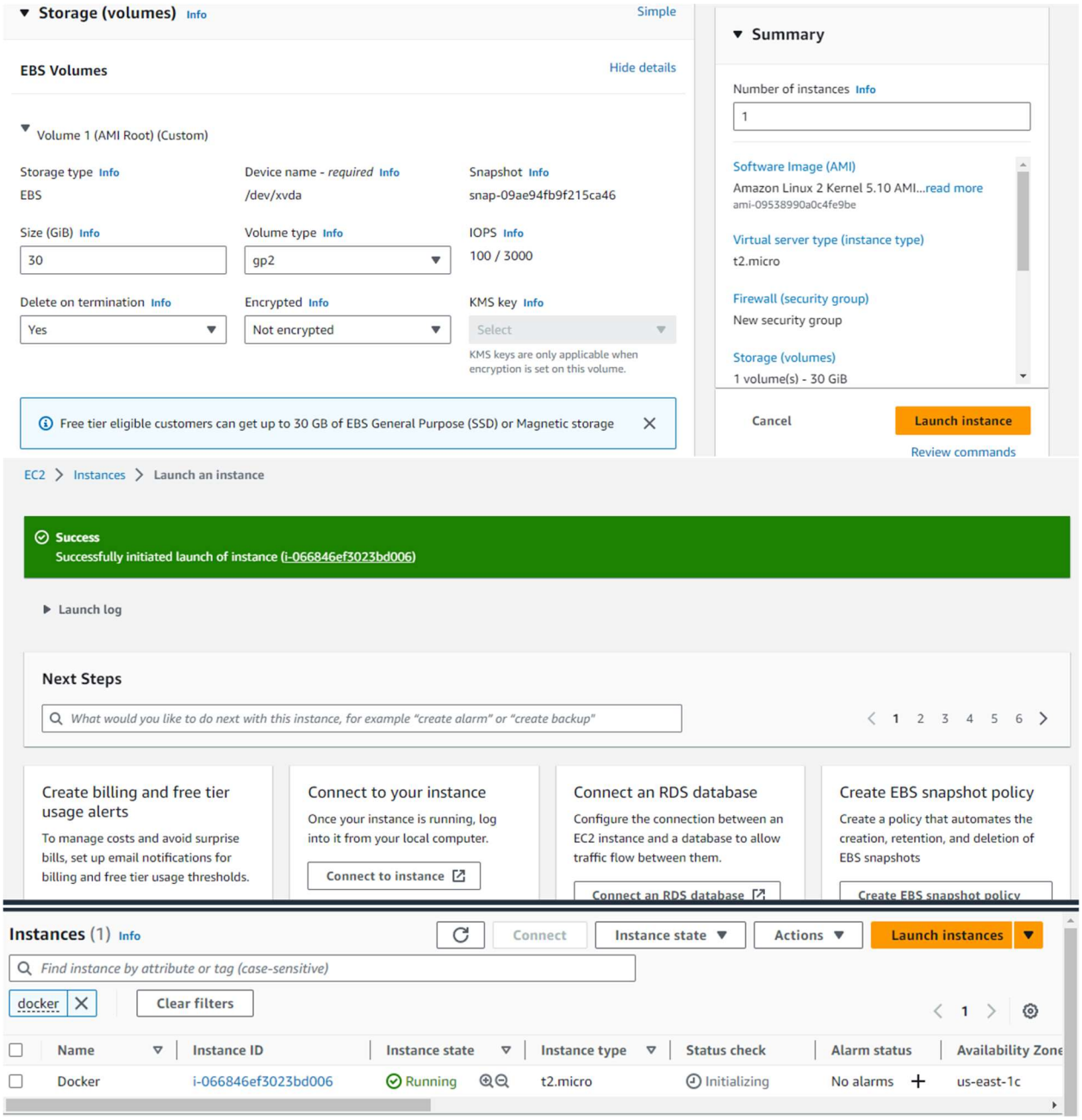
- Create a Virtual machine in AWS Deploy a Web Application




Instance type Info
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows pricing: 0.0162 USD per Hour
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
All generations
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
Dockerkey
Create new key pair
Network settings Info
Edit
Network Info
vpc-0d9a66c5cae67d5a0
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
We'll create a new security group called 'launch-wizard-2' 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
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-09538990a0c4fe9be
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands


Storage (volumes) Info
Simple
EBS Volumes
Hide details
Volume 1 (AMI Root) (Custom)
Storage type Info
EBS
Device name - required Info
/dev/xvda
Snapshot Info
snap-09ae94fb9f215ca46
Size (GiB) Info
30
Volume type Info
gp2
IOPS Info
100 / 3000
Delete on termination Info
Yes
Encrypted Info
Not encrypted
KMS key Info
Select
KMS keys are only applicable when encryption is set on this volume.
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Summary
Number of instances Info
1
Software Image (AMI)
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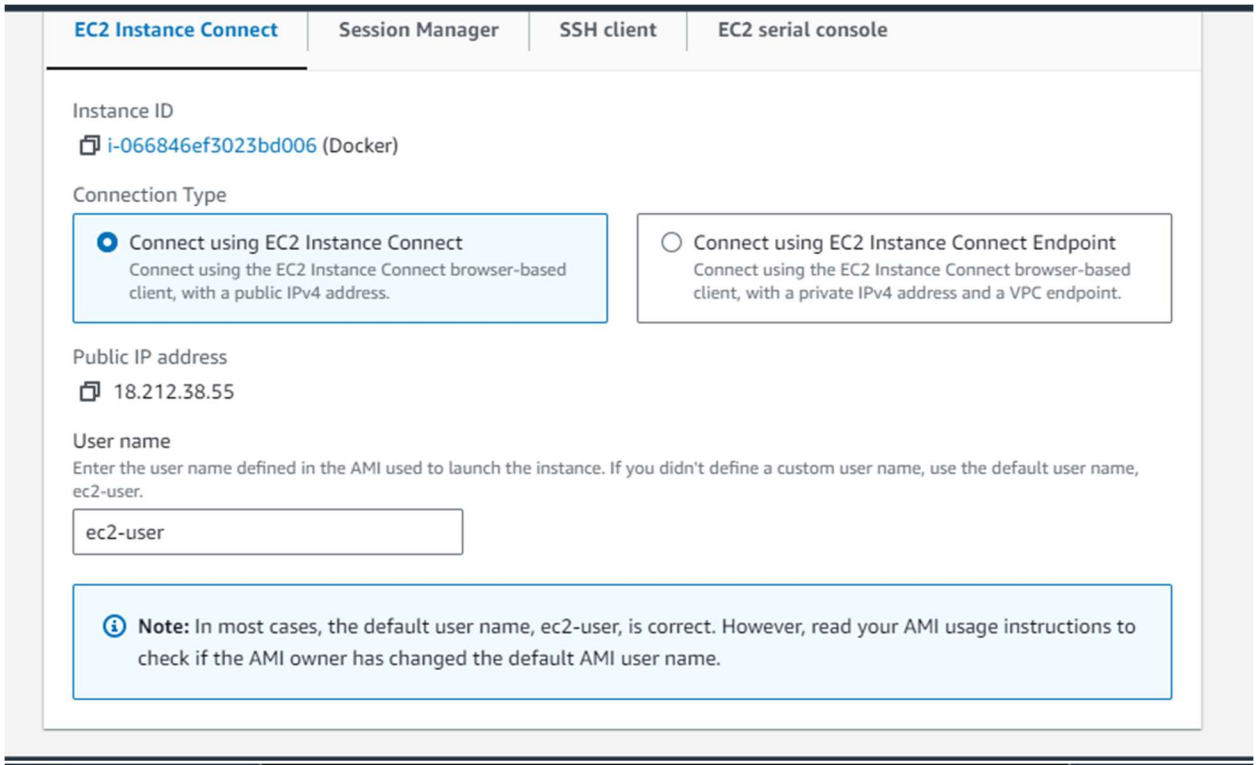
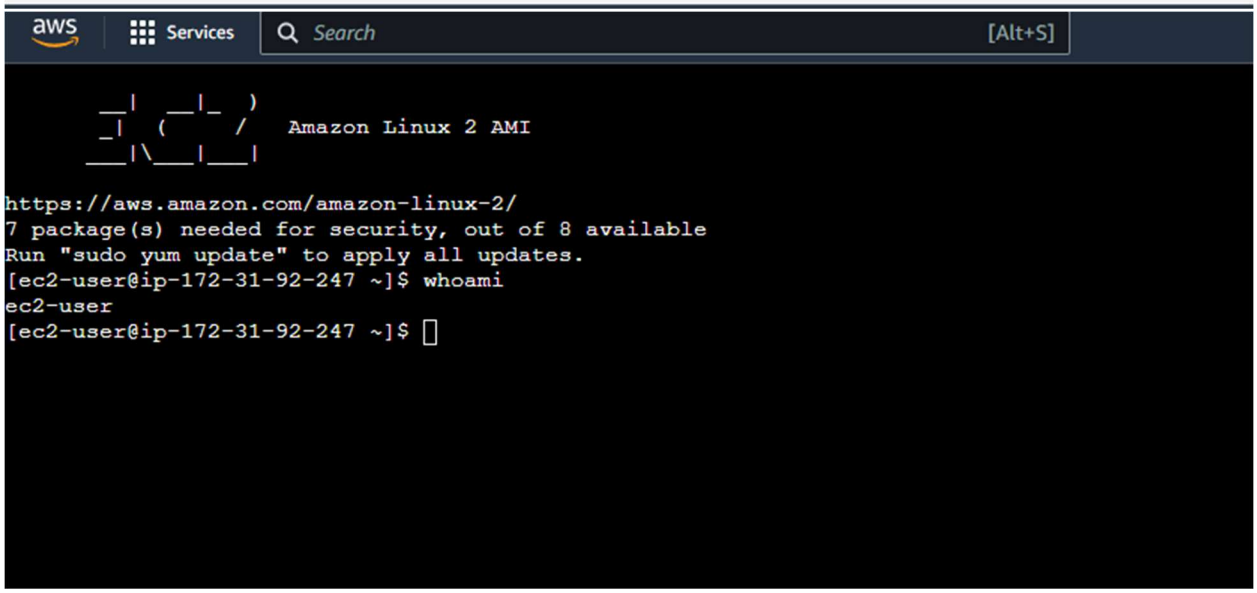
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-066846ef3023bd006)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
docker
Clear filters
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Docker
i-066846ef3023bd006
Running
t2.micro
Initializing
No alarms
us-east-1c





It required some update to install the docker in the Instance so used the **"sudo yum update -y"** command.

Install a Web Server :

Sudo su

Yum install httpd –y

Cd /var/www/html

Vi index.html – Copy and Paste code in the Editor

Start Server : service httpd start

Once Deployed web application to access a application we have to open a port (Http:80)

Instance ID ---- Security – Security Groups --- Edit Inbound Rules --- Add Rule – Select HTTP Port --- Under source select Anywhere