AWS Solutions Architect Certification Training

support@intellipaat.com - +91-7022374614 - US: 1-800-216-8930 (Toll Free)

Mod-10-FSx,Organisations, Global Accelerator COMPLETED by Nagesha. K.S.

Please check the following screenshots for each question.

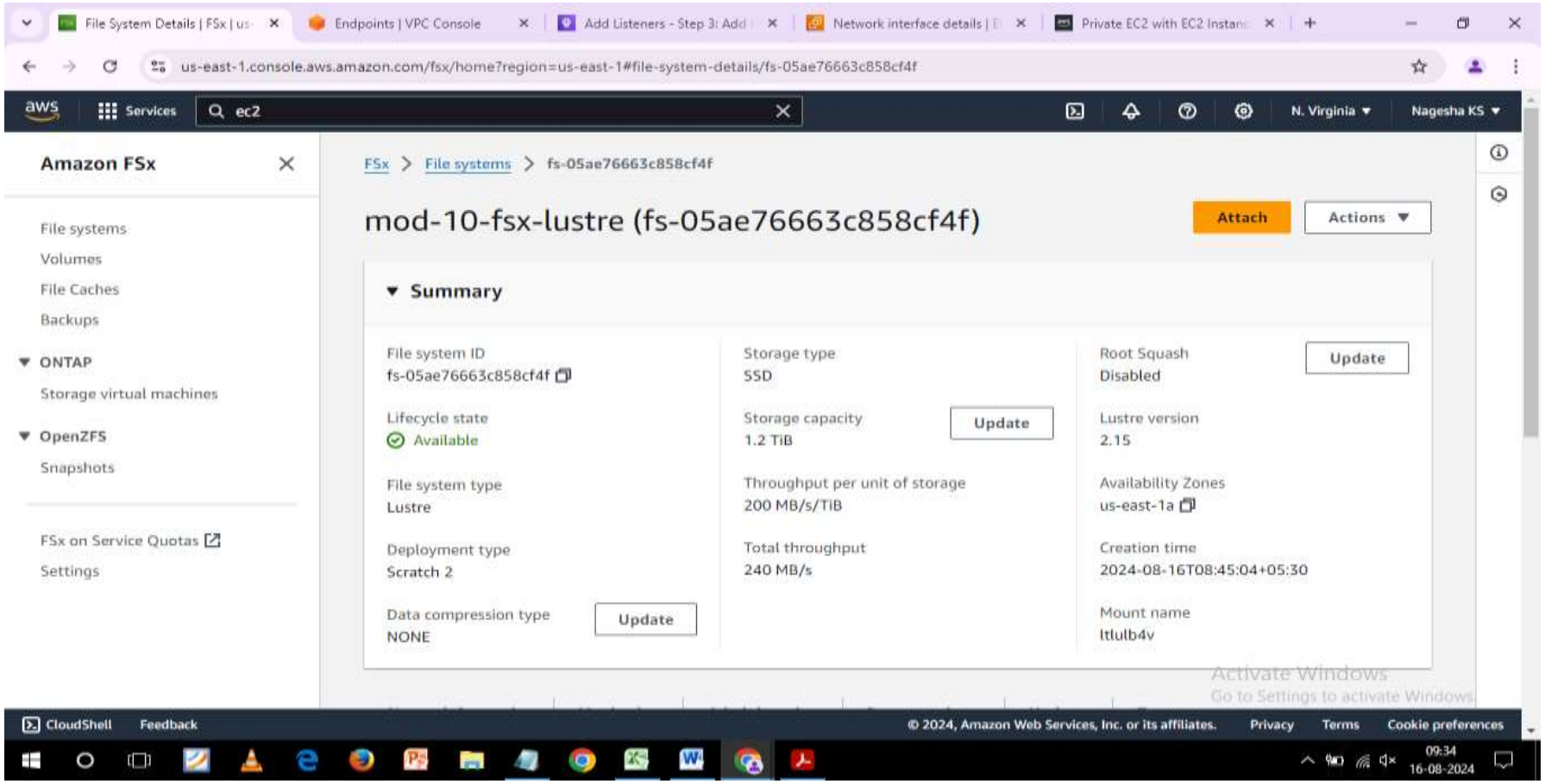
Problem Statement:

You work for XYZ Corporation, and the company is using AWS for its infrastructure.

For administrative purposes, it needs to provide certain employees with access to certain tasks.

You are asked to:

1. Create a FSx file system for both a Linux system and mount it to 2 EC2 Ubuntu or Amazon Linux instances
2. Create 2 Linux EC2 instances and launch web servers in all of them
3. Create a Global Accelerator and use it as the endpoint to both the instances
4. Create a Network Interface and attach it to one your EC2 Linux instances.
   Use the Network Interface IP to SSH into the instance.


File System Details | FSx | us-
Endpoints | VPC Console
Add Listeners - Step 3: Add
Network interface details |
Private EC2 with EC2 Instanc
us-east-1.console.aws.amazon.com/fsx/home?region=us-east-1#file-system-details/fs-05ae76663c858cf4f
aws
Services
ec2
N. Virginia
Nagesha KS
Amazon FSx
File systems
Volumes
File Caches
Backups
ONTAP
Storage virtual machines
OpenZFS
Snapshots
FSx on Service Quotas
Settings
FSx > File systems > fs-05ae76663c858cf4f
mod-10-fsx-lustre (fs-05ae76663c858cf4f)
Attach
Actions
Summary
File system ID
fs-05ae76663c858cf4f
Lifecycle state
Available
File system type
Lustre
Deployment type
Scratch 2
Data compression type
NONE
Update
Storage type
SSD
Storage capacity
1.2 TiB
Update
Throughput per unit of storage
200 MB/s/TiB
Total throughput
240 MB/s
Root Squash
Disabled
Update
Lustre version
2.15
Availability Zones
us-east-1a
Creation time
2024-08-16T08:45:04+05:30
Mount name
ltlulb4v
Activate Windows
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CloudShell
Feedback
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09:34
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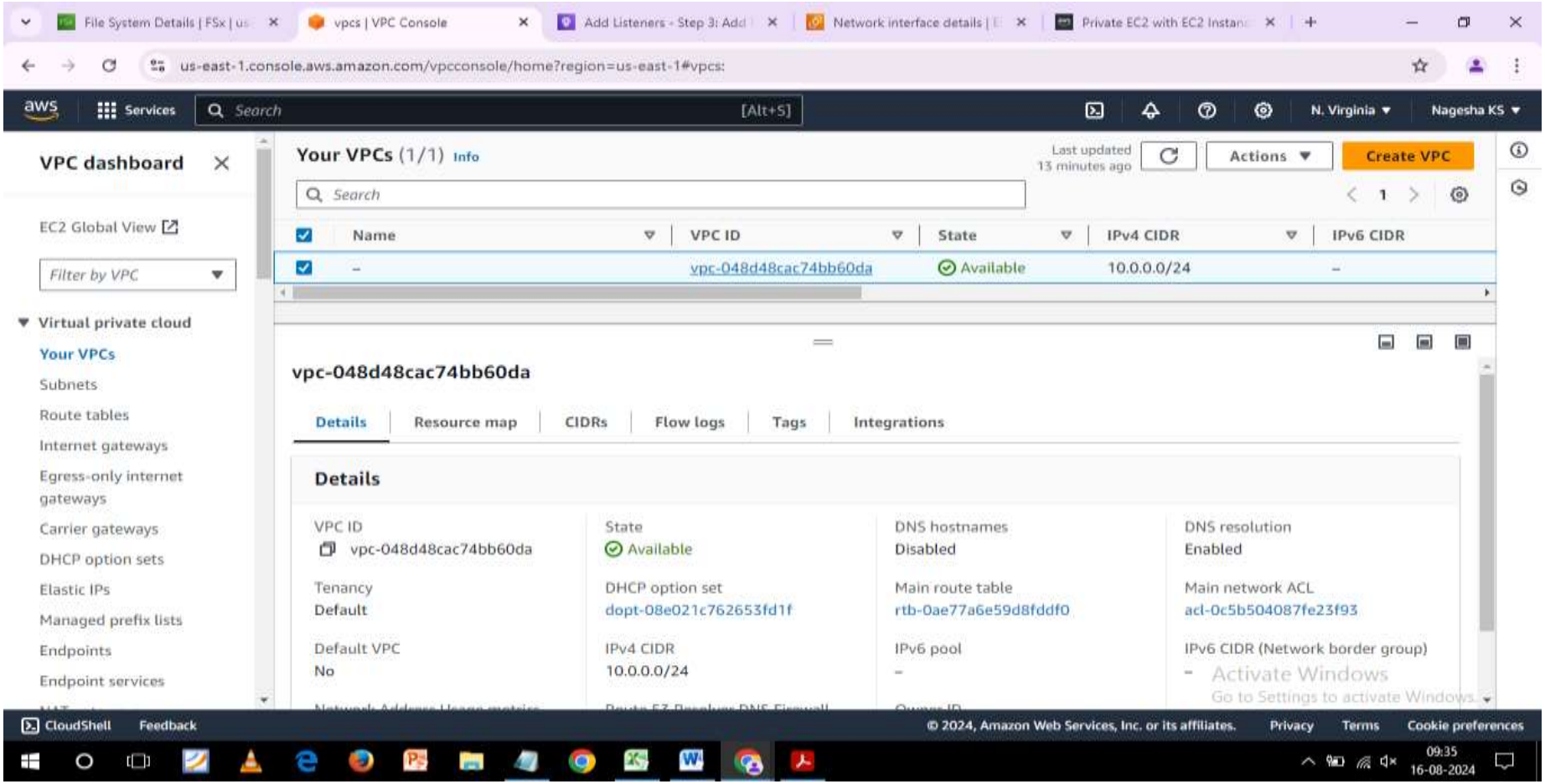
File System Details | FSx | us
vpcs | VPC Console
Add Listeners - Step 3: Add
Network interface details |
Private EC2 with EC2 Instan
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:
aws
Services
Search
[Alt+S]
N. Virginia
Nagesha KS
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
Your VPCs (1/1) Info
Last updated 13 minutes ago
Actions
Create VPC
Search
1
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
–
vpc-048d48cac74bb60da
Available
10.0.0.0/24
–
vpc-048d48cac74bb60da
Details
Resource map
CIDRs
Flow logs
Tags
Integrations
Details
VPC ID
vpc-048d48cac74bb60da
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-08e021c762653fd1f
Main route table
rtb-0ae77a6e59d8fddf0
Main network ACL
acl-0c5b504087fe23f93
Default VPC
No
IPv4 CIDR
10.0.0.0/24
IPv6 pool
–
IPv6 CIDR (Network border group)
–
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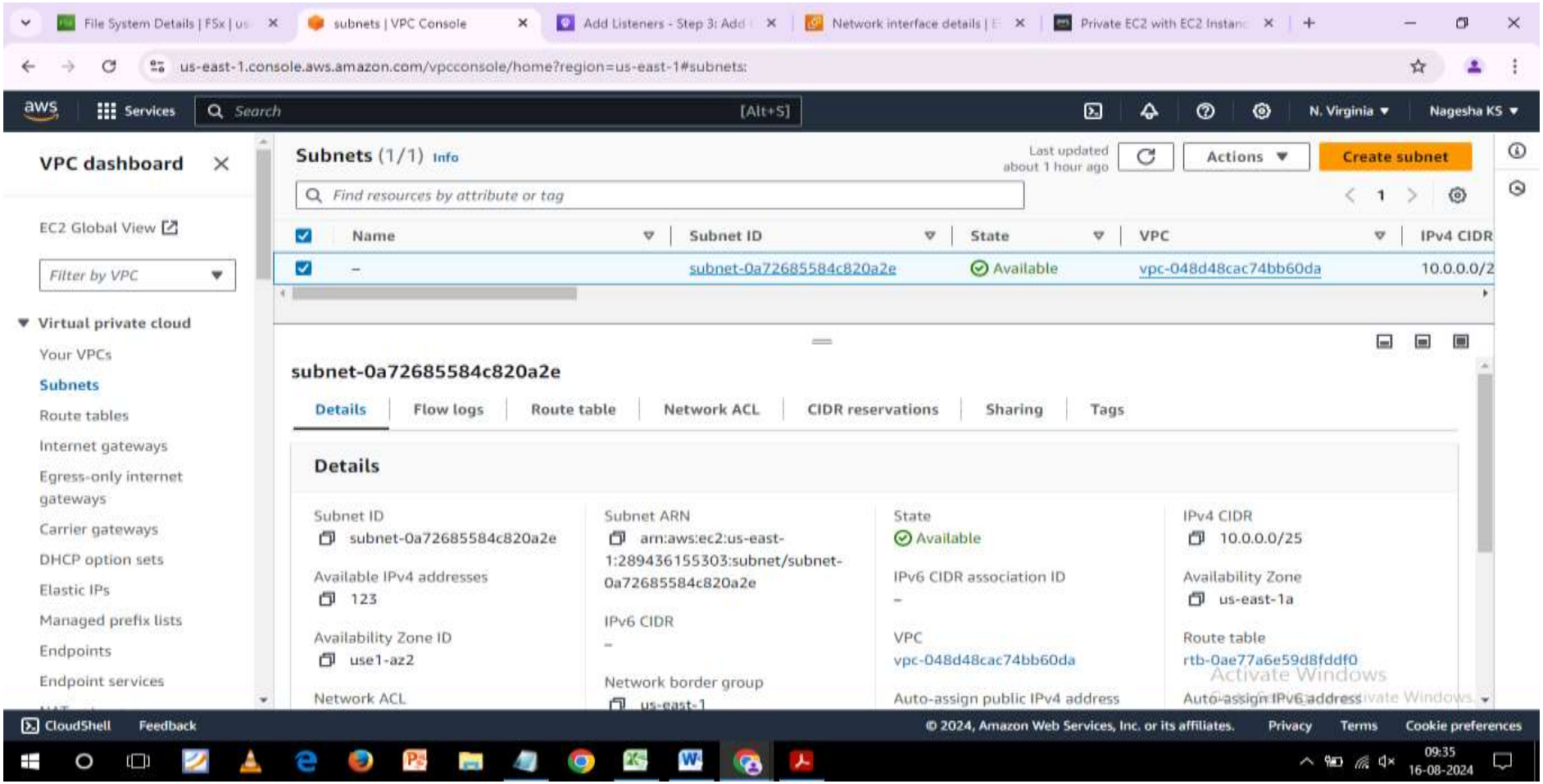
File System Details | FSx | us
subnets | VPC Console
Add Listeners - Step 3: Add
Network interface details | E
Private EC2 with EC2 Instanc
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:
aws
Services
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N. Virginia
Nagesha KS
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
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Internet gateways
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Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
Subnets (1/1) Info
Last updated about 1 hour ago
Actions
Create subnet
Find resources by attribute or tag
Name
Subnet ID
State
VPC
IPv4 CIDR
subnet-0a72685584c820a2e
Available
vpc-048d48cac74bb60da
10.0.0.0/2
subnet-0a72685584c820a2e
Details
Flow logs
Route table
Network ACL
CIDR reservations
Sharing
Tags
Details
Subnet ID
subnet-0a72685584c820a2e
Available IPv4 addresses
123
Availability Zone ID
use1-az2
Network ACL
Subnet ARN
arn:aws:ec2:us-east-1:289436155303:subnet/subnet-0a72685584c820a2e
IPv6 CIDR
Network border group
us-east-1
State
Available
IPv6 CIDR association ID
VPC
vpc-048d48cac74bb60da
Auto-assign public IPv4 address
IPv4 CIDR
10.0.0.0/25
Availability Zone
us-east-1a
Route table
rtb-0ae77a6e59d8fddf0
Auto-assign IPv6 address
Activate Windows
CloudShell
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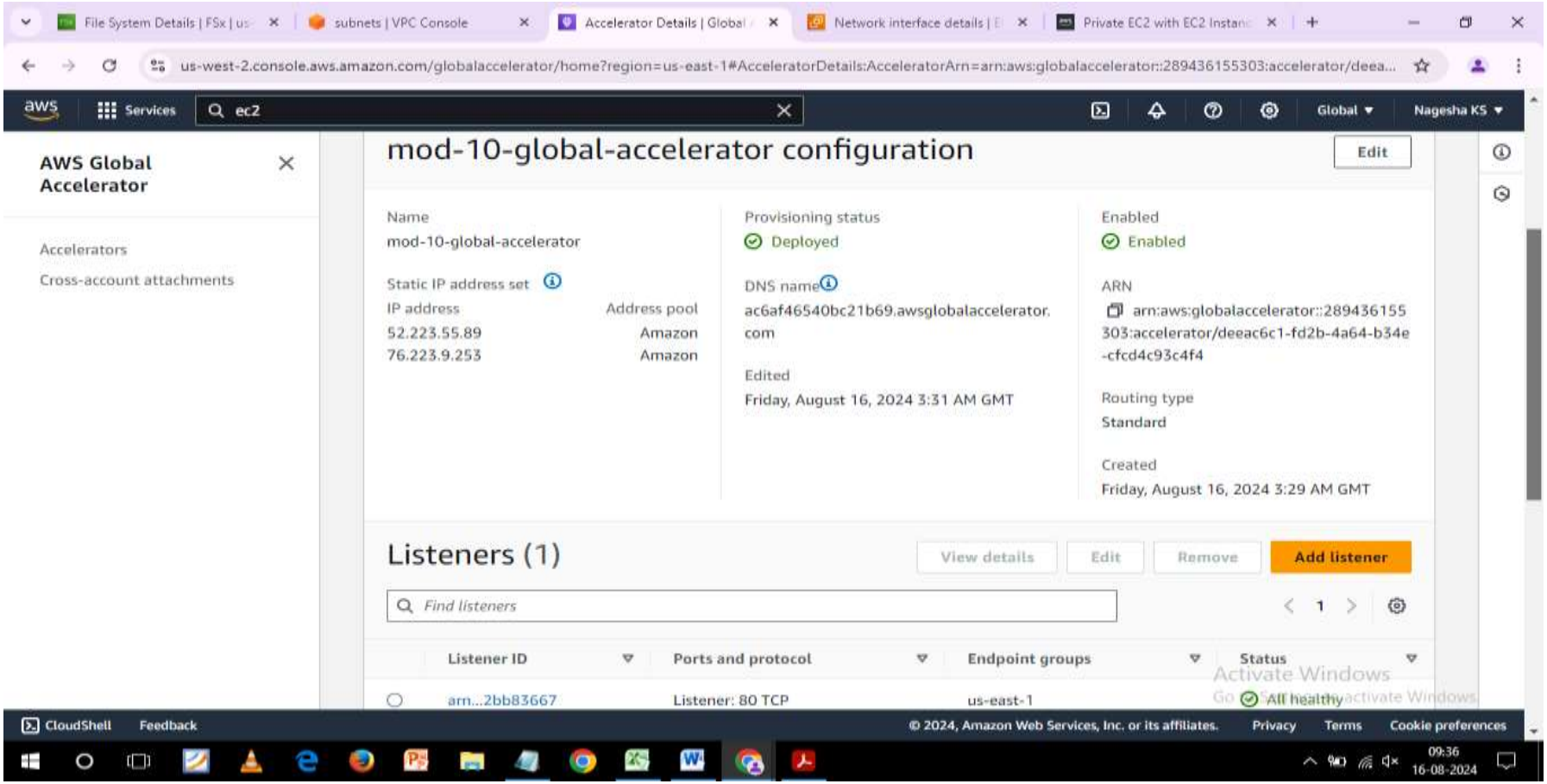
File System Details | FSx | us-
subnets | VPC Console
Accelerator Details | Global
Network interface details |
Private EC2 with EC2 Instanc
us-west-2.console.aws.amazon.com/globalaccelerator/home?region=us-east-1#AcceleratorDetails:AcceleratorArn=arn:aws:globalaccelerator::289436155303:accelerator/deea...
aws
Services
ec2
Global
Nagesha KS
AWS Global Accelerator
Accelerators
Cross-account attachments
mod-10-global-accelerator configuration
Edit
Name
mod-10-global-accelerator
Static IP address set
IP address
Address pool
52.223.55.89
Amazon
76.223.9.253
Amazon
Provisioning status
Deployed
DNS name
ac6af46540bc21b69.awsglobalaccelerator.com
Edited
Friday, August 16, 2024 3:31 AM GMT
Enabled
Enabled
ARN
arn:aws:globalaccelerator::289436155303:accelerator/deeac6c1-fd2b-4a64-b34e-cfcd4c93c4f4
Routing type
Standard
Created
Friday, August 16, 2024 3:29 AM GMT
Listeners (1)
View details
Edit
Remove
Add listener
Find listeners
1
Listener ID
Ports and protocol
Endpoint groups
Status
arn...2bb83667
Listener: 80 TCP
us-east-1
All healthy
Activate Windows
CloudShell
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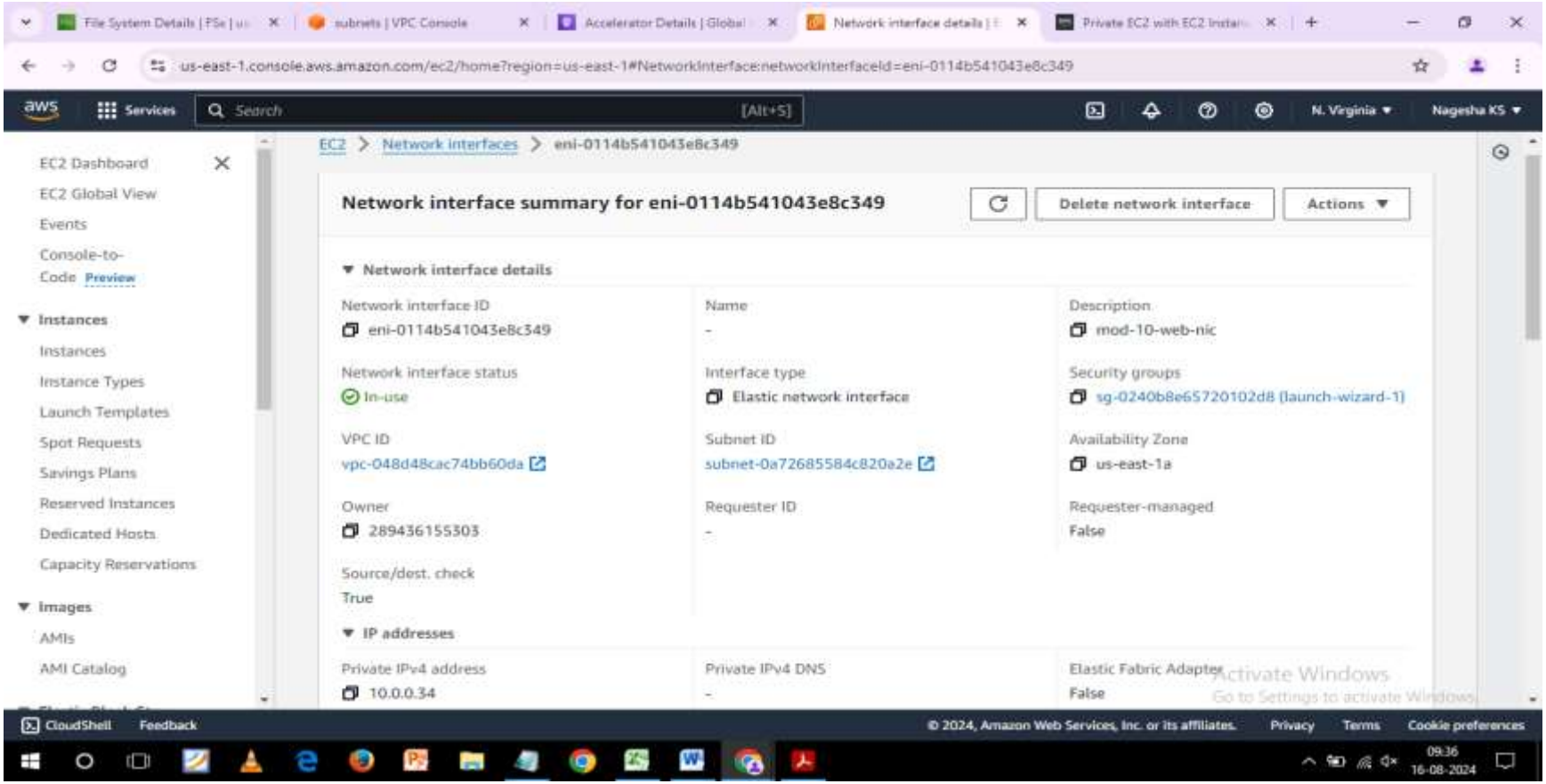
File System Details | FSe | us
subnets | VPC Console
Accelerator Details | Global
Network interface details | E
Private EC2 with EC2 Instan
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#NetworkInterface:networkInterfaceId=eni-0114b541043e8c349
aws
Services
Search
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EC2 Dashboard
EC2 Global View
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Instances
Instance Types
Launch Templates
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Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
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AMIs
AMI Catalog
EC2 > Network interfaces > eni-0114b541043e8c349
Network interface summary for eni-0114b541043e8c349
Delete network interface
Actions
Network interface details
Network interface ID
eni-0114b541043e8c349
Name
-
Description
mod-10-web-nic
Network interface status
In-use
Interface type
Elastic network interface
Security groups
sg-0240b8e65720102d8 (launch-wizard-1)
VPC ID
vpc-048d48cac74bb60da
Subnet ID
subnet-0a72685584c820a2e
Availability Zone
us-east-1a
Owner
289436155303
Requester ID
-
Requester-managed
False
Source/dest. check
True
IP addresses
Private IPv4 address
10.0.0.34
Private IPv4 DNS
-
Elastic Fabric Adapter
False
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
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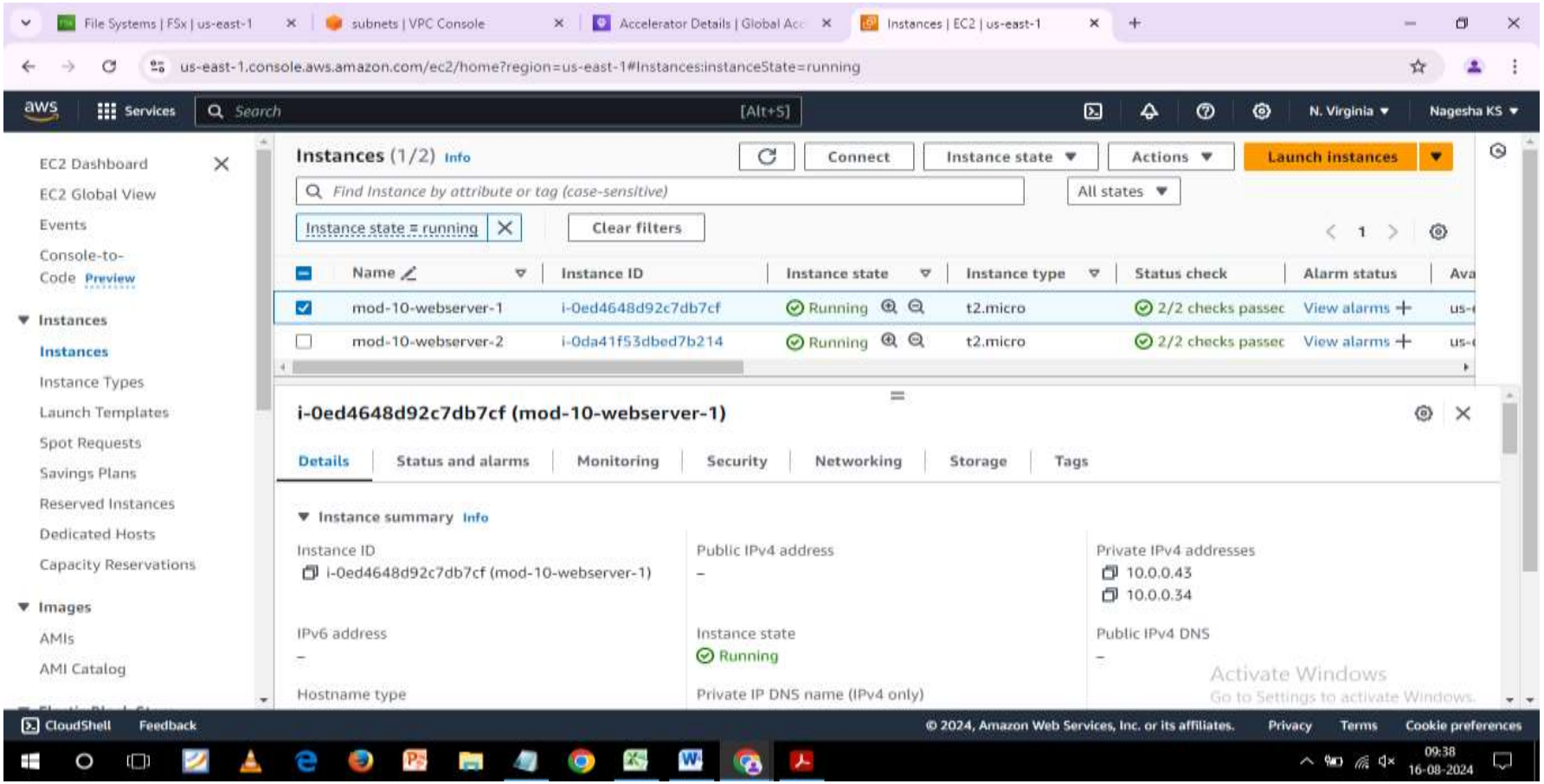
File Systems | FSx | us-east-1
subnets | VPC Console
Accelerator Details | Global Acc
Instances | EC2 | us-east-1
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running
aws
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All states
Instance state = running
Clear filters
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
mod-10-webserver-1
i-0ed4648d92c7db7cf
Running
t2.micro
2/2 checks passec
View alarms
mod-10-webserver-2
i-0da41f53dbed7b214
Running
t2.micro
2/2 checks passec
View alarms
i-0ed4648d92c7db7cf (mod-10-webserver-1)
Details
Status and alarms
Monitoring
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Tags
Instance summary Info
Instance ID
i-0ed4648d92c7db7cf (mod-10-webserver-1)
Public IPv4 address
–
Private IPv4 addresses
10.0.0.43
10.0.0.34
IPv6 address
–
Instance state
Running
Public IPv4 DNS
–
Hostname type
Private IP DNS name (IPv4 only)
Activate Windows
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CloudShell
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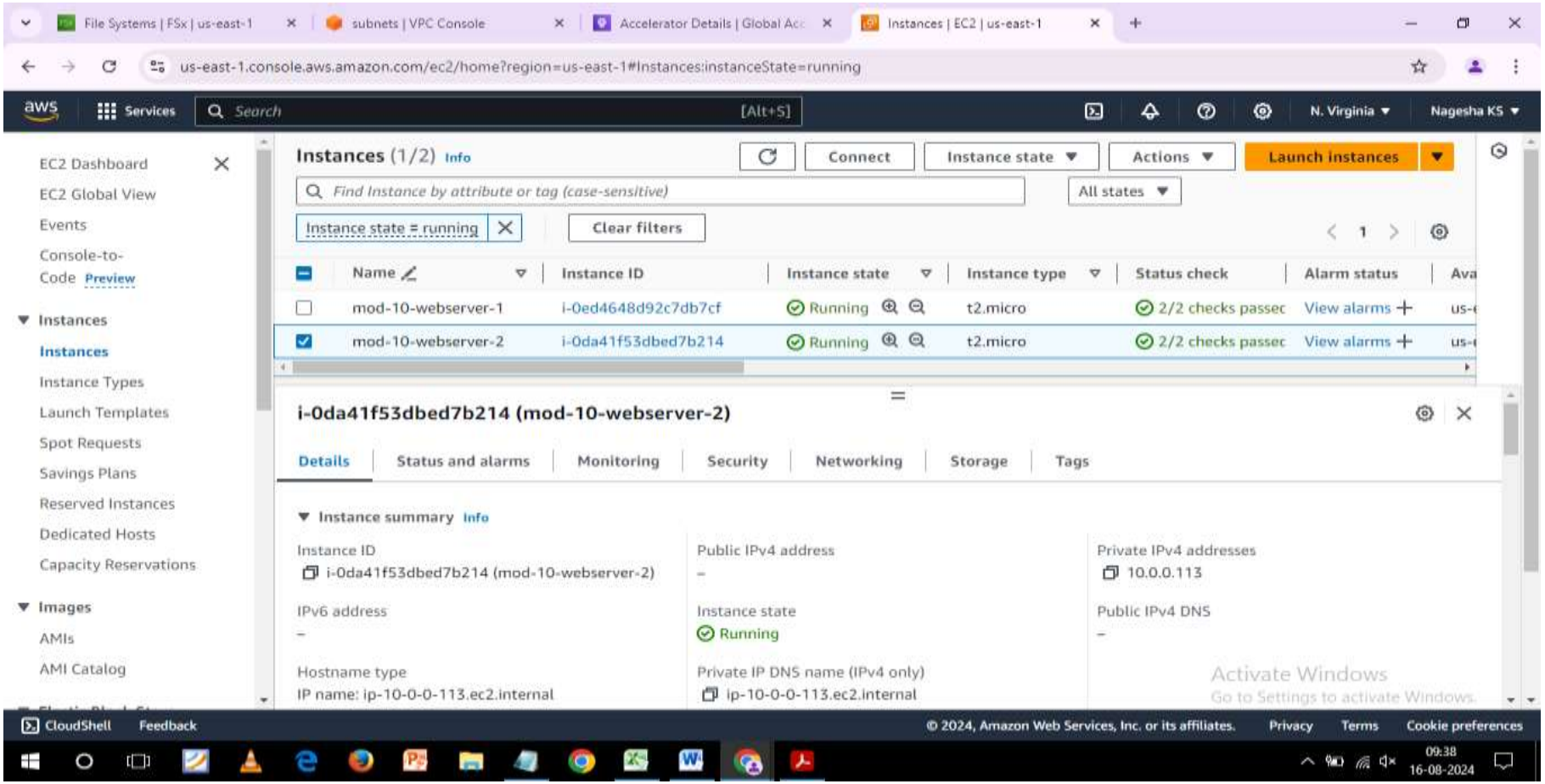
File Systems | FSx | us-east-1
subnets | VPC Console
Accelerator Details | Global Acc
Instances | EC2 | us-east-1
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running
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Find Instance by attribute or tag (case-sensitive)
All states
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
mod-10-webserver-1
i-0ed4648d92c7db7cf
Running
t2.micro
2/2 checks passec
View alarms
mod-10-webserver-2
i-0da41f53dbed7b214
Running
t2.micro
2/2 checks passec
View alarms
i-0da41f53dbed7b214 (mod-10-webserver-2)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-0da41f53dbed7b214 (mod-10-webserver-2)
Public IPv4 address
-
Private IPv4 addresses
10.0.0.113
IPv6 address
-
Instance state
Running
Public IPv4 DNS
-
Hostname type
IP name: ip-10-0-0-113.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-0-113.ec2.internal
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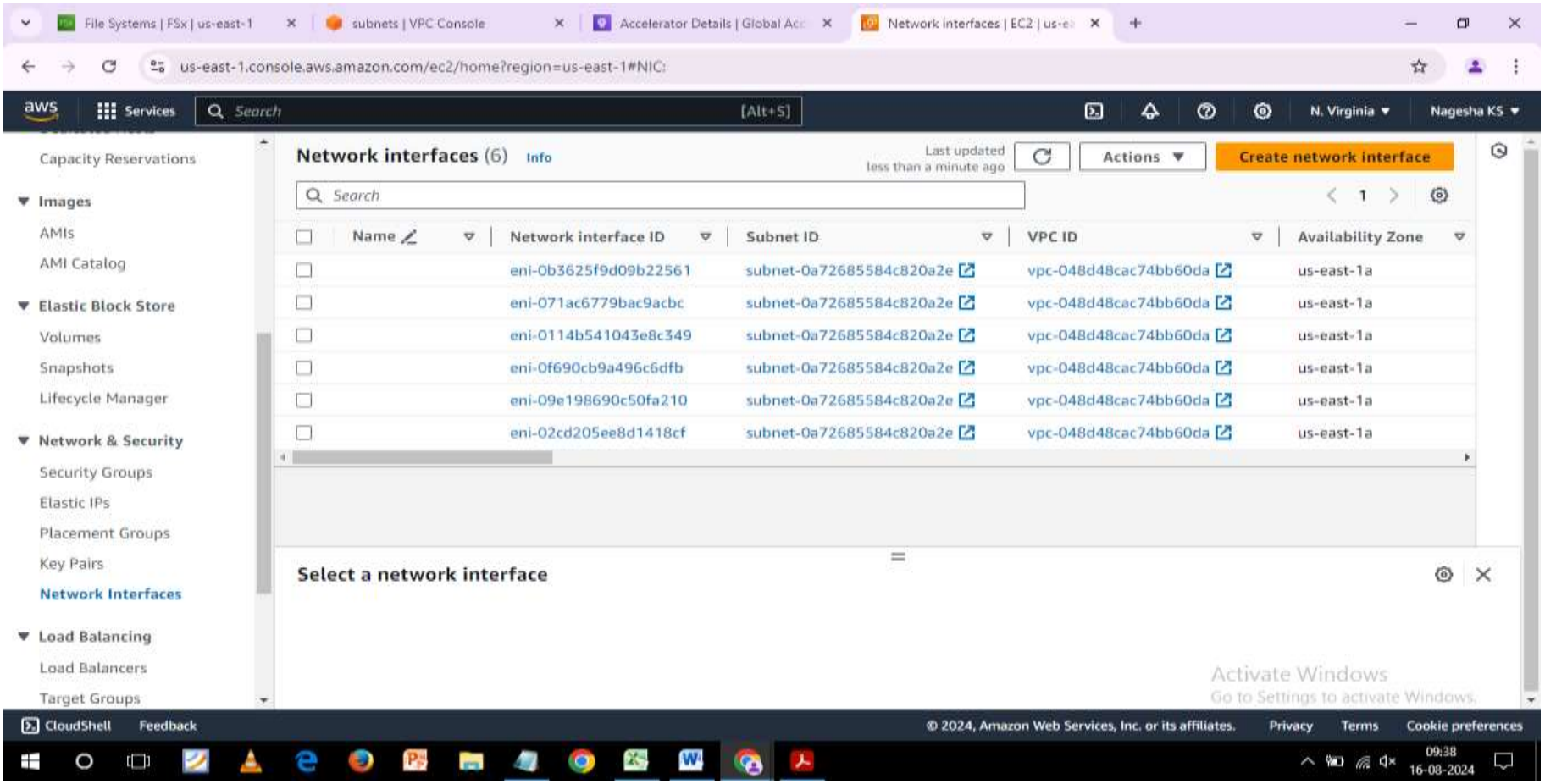
File Systems | FSx | us-east-1
subnets | VPC Console
Accelerator Details | Global Acc
Network interfaces | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#NIC:
aws
Services
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N. Virginia
Nagesha KS
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Network interfaces (6) Info
Last updated less than a minute ago
Actions
Create network interface
Search
1
Name
Network interface ID
Subnet ID
VPC ID
Availability Zone
eni-0b3625f9d09b22561 subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-071ac6779bac9acbc subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-0114b541043e8c349 subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-0f690cb9a496c6dfb subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-09e198690c50fa210 subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-02cd205ee8d1418cf subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
Select a network interface
Activate Windows
Go to Settings to activate Windows.
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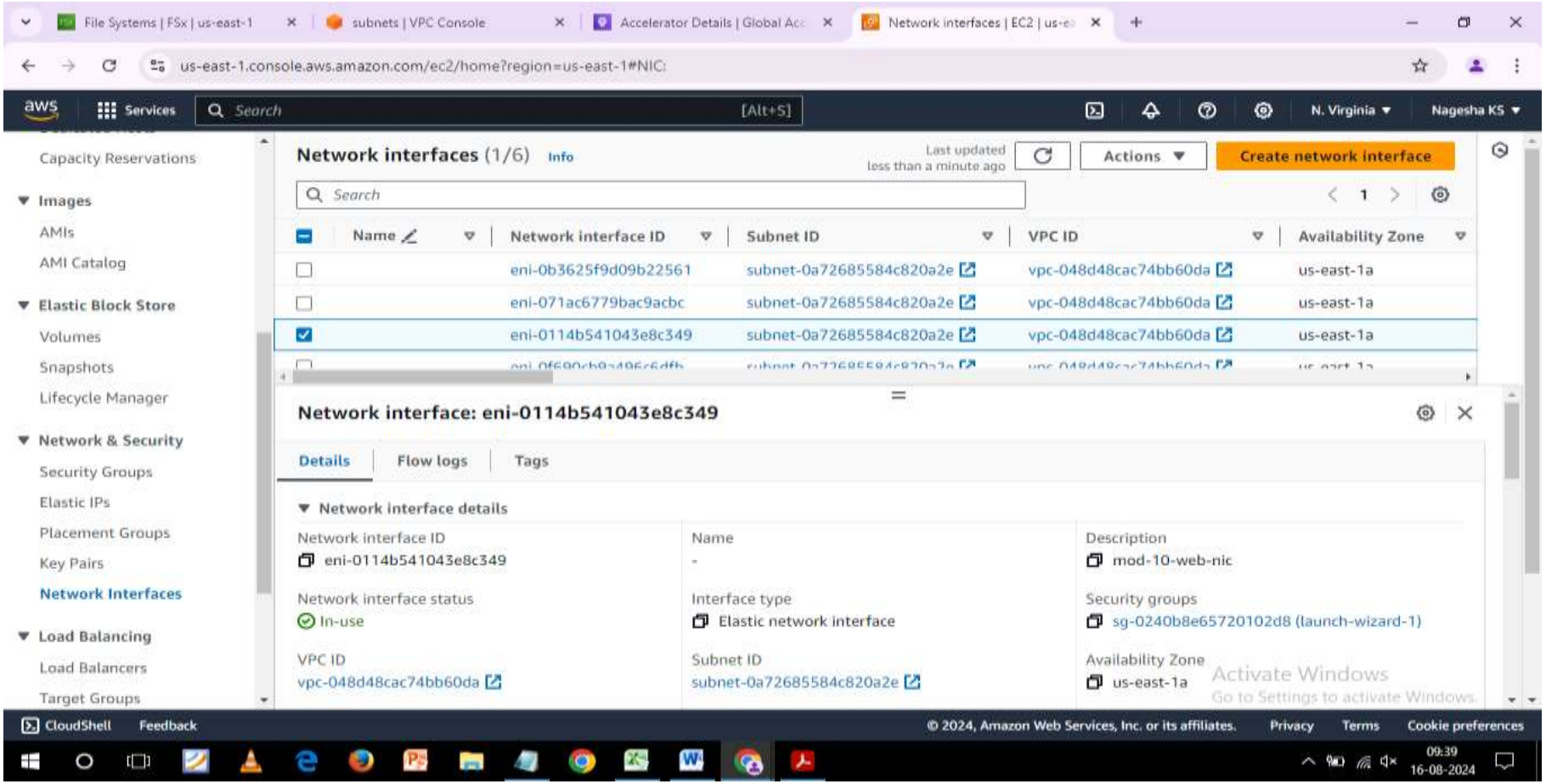
File Systems | FSx | us-east-1
subnets | VPC Console
Accelerator Details | Global Acc
Network interfaces | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#NIC:
aws
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Lifecycle Manager
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Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Network interfaces (1/6) Info
Last updated less than a minute ago
Actions
Create network interface
Search
1
Name
Network interface ID
Subnet ID
VPC ID
Availability Zone
eni-0b3625f9d09b22561 subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-071ac6779bac9acbc subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
eni-0114b541043e8c349 subnet-0a72685584c820a2e vpc-048d48cac74bb60da us-east-1a
Network interface: eni-0114b541043e8c349
Details
Flow logs
Tags
Network interface details
Network interface ID
eni-0114b541043e8c349
Name
-
Description
mod-10-web-nic
Network interface status
In-use
Interface type
Elastic network interface
Security groups
sg-0240b8e65720102d8 (launch-wizard-1)
VPC ID
vpc-048d48cac74bb60da
Subnet ID
subnet-0a72685584c820a2e
Availability Zone
us-east-1a
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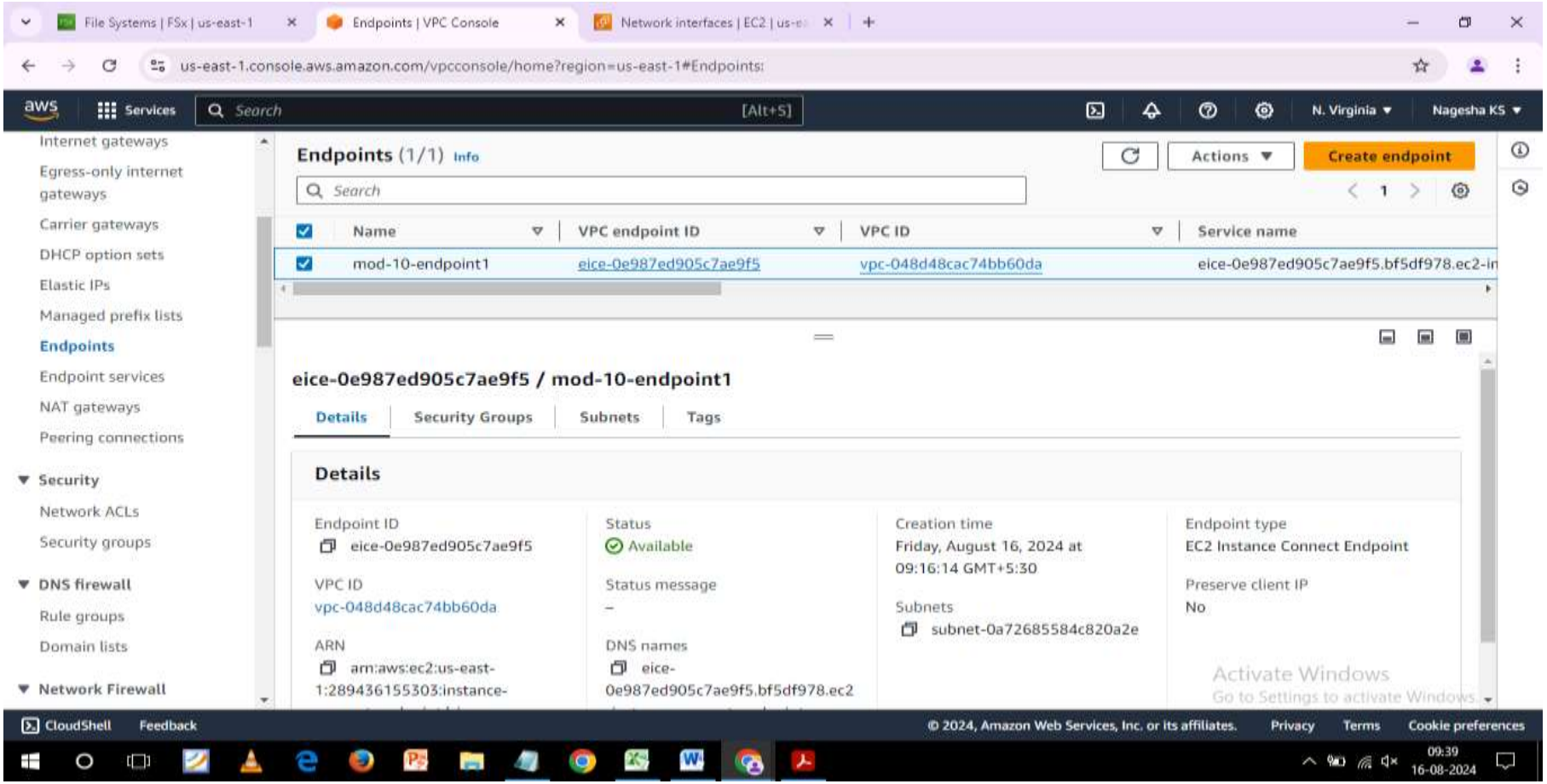
File Systems | FSx | us-east-1
Endpoints | VPC Console
Network interfaces | EC2 | us-e
us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#Endpoints:
aws
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[Alt+S]
N. Virginia
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Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Endpoints (1/1) Info
Actions
Create endpoint
Search
1
Name
VPC endpoint ID
VPC ID
Service name
mod-10-endpoint1
eice-0e987ed905c7ae9f5
vpc-048d48cac74bb60da
eice-0e987ed905c7ae9f5.bf5df978.ec2-in
eice-0e987ed905c7ae9f5 / mod-10-endpoint1
Details
Security Groups
Subnets
Tags
Details
Endpoint ID
eice-0e987ed905c7ae9f5
VPC ID
vpc-048d48cac74bb60da
ARN
arn:aws:ec2:us-east-1:289436155303:instance-
Status
Available
Status message
–
DNS names
eice-0e987ed905c7ae9f5.bf5df978.ec2
Creation time
Friday, August 16, 2024 at 09:16:14 GMT+5:30
Subnets
subnet-0a72685584c820a2e
Endpoint type
EC2 Instance Connect Endpoint
Preserve client IP
No
Activate Windows
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