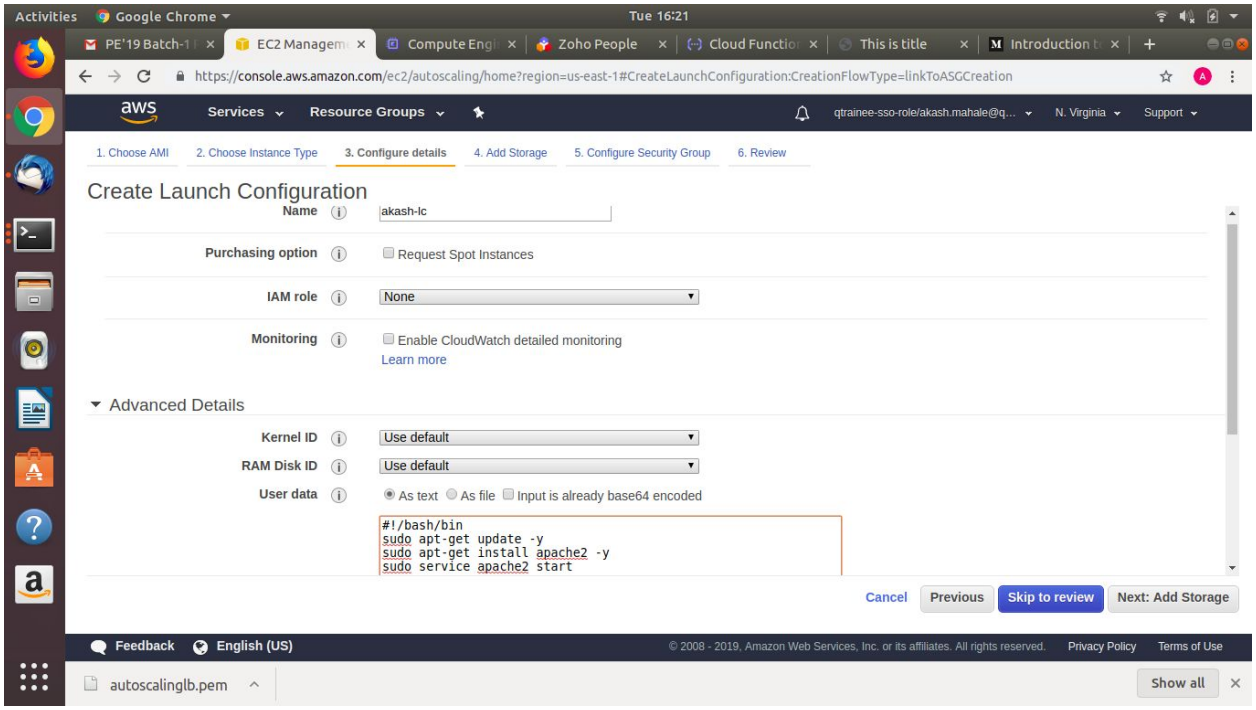
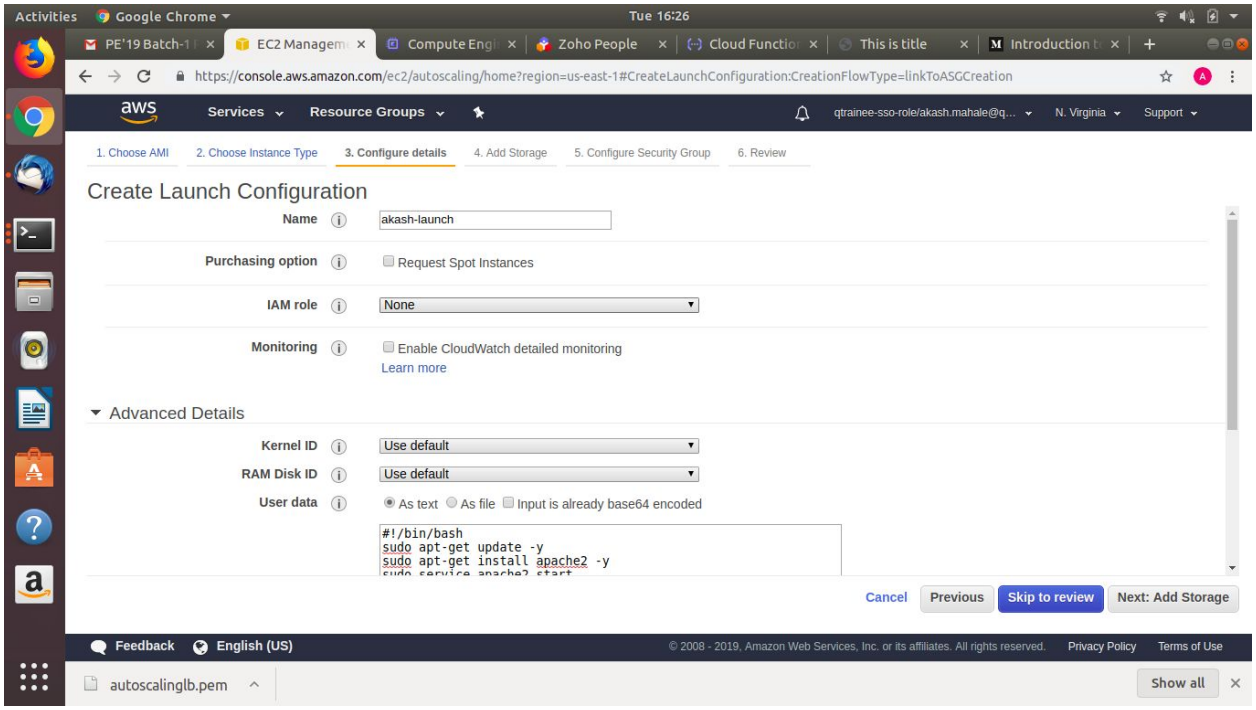
1. Go in auto scaling. Create a new launch configuration. Select the UBUNTU 18 AMI. Set the name of the launch configuration and the security group with http: port 80 open.
2. Go in Create Auto scaling group, name the group, select the group size to start as 2 instances. Select the default subnet and the default subnet.
3. In scaling Policy keep the scaling range as min 2 and max 2,3….
4. Scale Group size with CPU Utilization as 50 and 60 sec as warm after scaling
5. Give the tags
6. Review it and launch the auto scaling group.
7. Go in target group. Create Target Group. Register the instances for in the target group.
8. Now, Go in Load Balancer, create load balancer, in listener configuration, check if the port 80 is open.
9. Select default vpc and select all the the subnets.
10. Configure the security group.
11. In configure routing, select the existing target group. Set the path of monitoring as root.
12. Review and launch
13. Copy the load balancer DNS, and paste it in the browser we can see the html page. On refreshing.

The index.html in both the instances were changed




Activities
Google Chrome
Tue 16:26
PE'19 Batch-1
EC2 Managem
Compute Engi
Zoho People
Cloud Functio
This is title
Introduction t
https://console.aws.amazon.com/ec2/autoscaling/home?region=us-east-1#CreateLaunchConfiguration:CreationFlowType=linkToASGCreation
aws
Services
Resource Groups
qtrainee-sso-role/akash.mahale@q...
N. Virginia
Support
1. Choose AMI
2. Choose Instance Type
3. Configure details
4. Add Storage
5. Configure Security Group
6. Review
Create Launch Configuration
Name
akash-launch
Purchasing option
Request Spot Instances
IAM role
None
Monitoring
Enable CloudWatch detailed monitoring
Learn more
Advanced Details
Kernel ID
Use default
RAM Disk ID
Use default
User data
As text
As file
Input is already base64 encoded
#!/bin/bash
sudo apt-get update -y
sudo apt-get install apache2 -y
Cancel
Previous
Skip to review
Next: Add Storage
Feedback
English (US)
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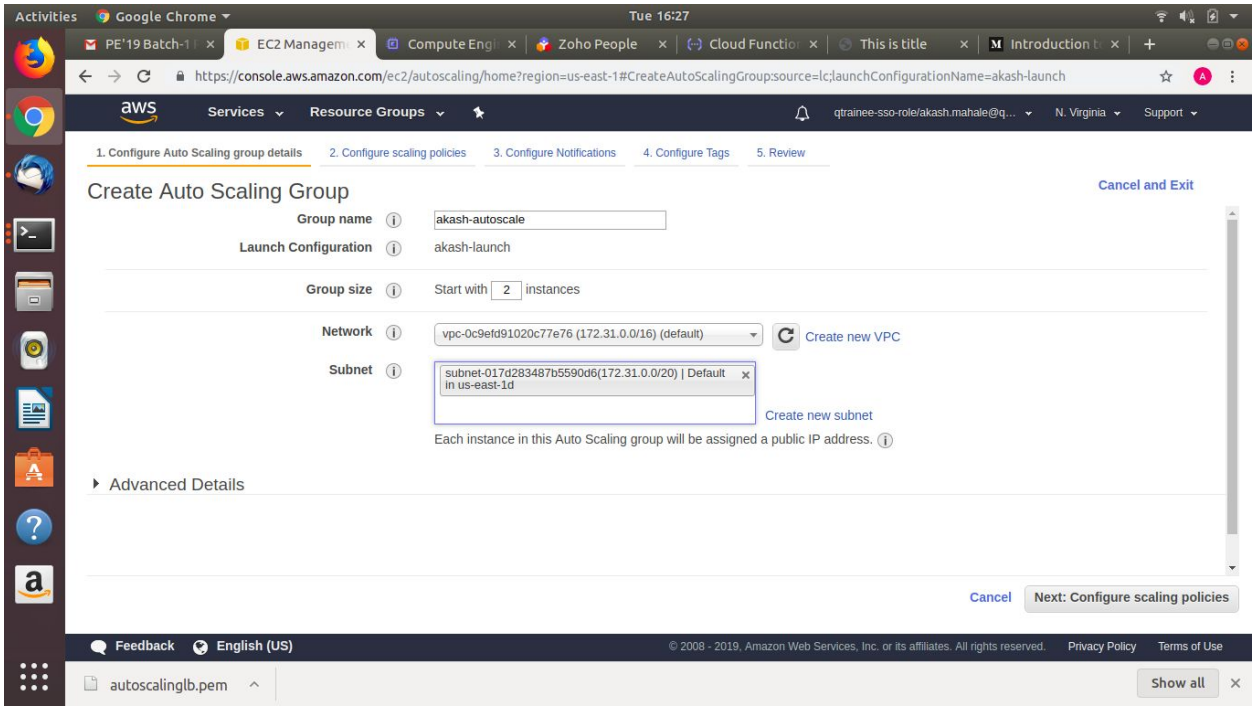
Activities
Google Chrome
Tue 16:27
PE'19 Batch-1
EC2 Managem
Compute Engi
Zoho People
Cloud Functio
This is title
Introduction t
https://console.aws.amazon.com/ec2/autoscaling/home?region=us-east-1#CreateAutoScalingGroup:source=lc;launchConfigurationName=akash-launch
aws
Services
Resource Groups
qtrainee-sso-role/akash.mahale@q...
N. Virginia
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Cancel and Exit
Group name
akash-autoscale
Launch Configuration
akash-launch
Group size
Start with 2 instances
Network
vpc-0c9efd91020c77e76 (172.31.0.0/16) (default)
Create new VPC
Subnet
subnet-017d283487b5590d6(172.31.0.0/20) | Default in us-east-1d
Create new subnet
Each instance in this Auto Scaling group will be assigned a public IP address.
Advanced Details
Cancel
Next: Configure scaling policies
Feedback
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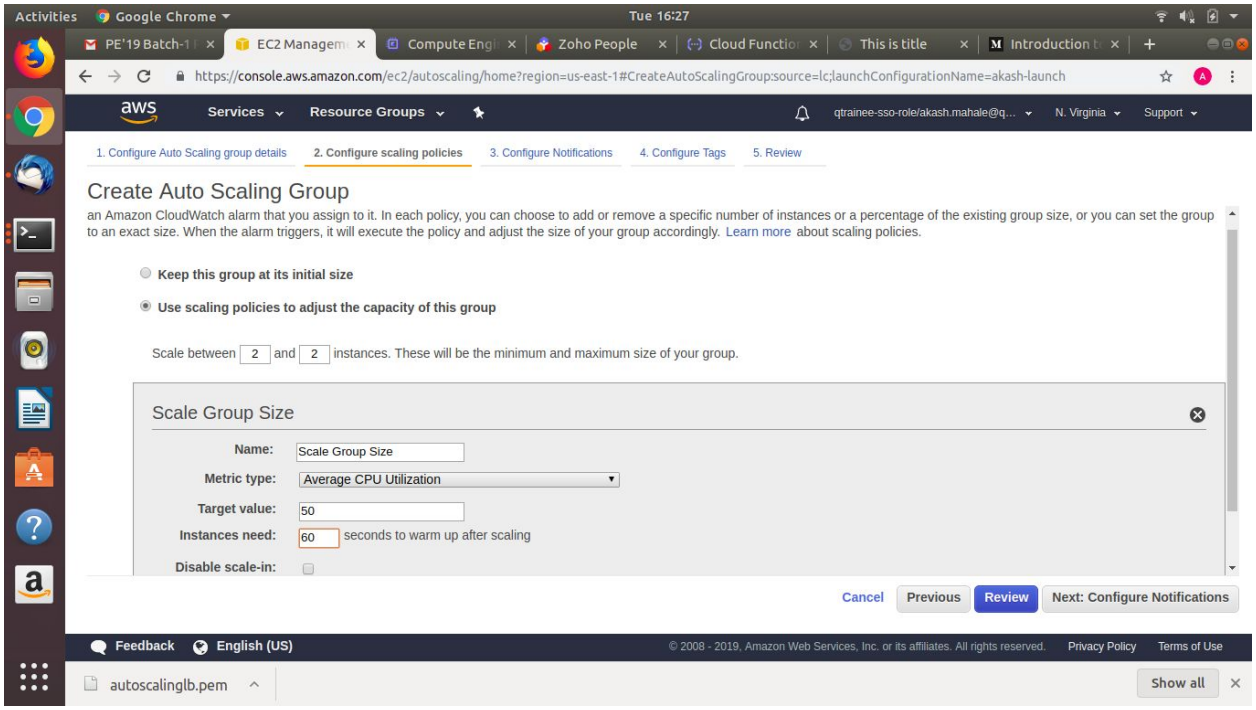
Activities
Google Chrome
Tue 16:27
https://console.aws.amazon.com/ec2/autoscaling/home?region=us-east-1#CreateAutoScalingGroup:source=lc;launchConfigurationName=akash-launch
Services
Resource Groups
qtrainee-sso-role/akash.mahale@q...
N. Virginia
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
an Amazon CloudWatch alarm that you assign to it. In each policy, you can choose to add or remove a specific number of instances or a percentage of the existing group size, or you can set the group to an exact size. When the alarm triggers, it will execute the policy and adjust the size of your group accordingly. Learn more about scaling policies.
Keep this group at its initial size
Use scaling policies to adjust the capacity of this group
Scale between 2 and 2 instances. These will be the minimum and maximum size of your group.
Scale Group Size
Name: Scale Group Size
Metric type: Average CPU Utilization
Target value: 50
Instances need: 60 seconds to warm up after scaling
Disable scale-in:
Cancel
Previous
Review
Next: Configure Notifications
Feedback
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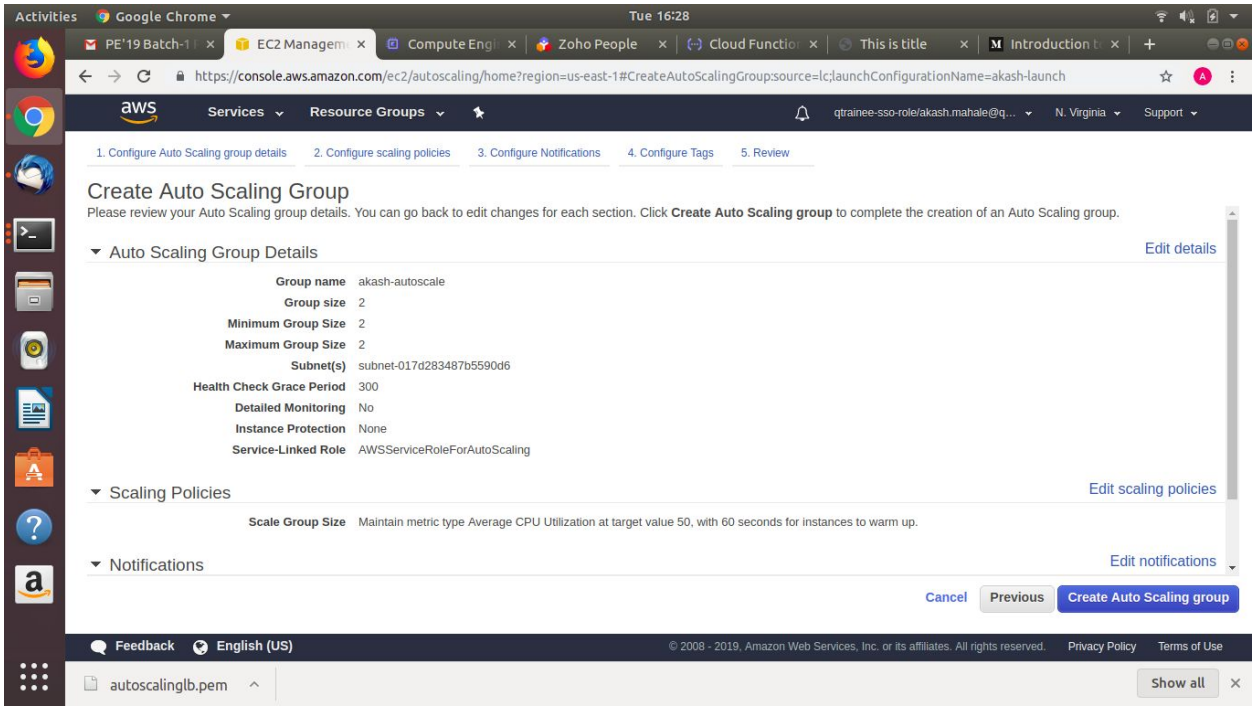
Activities
Google Chrome
Tue 16:28
https://console.aws.amazon.com/ec2/autoscaling/home?region=us-east-1#CreateAutoScalingGroup:source=lc;launchConfigurationName=akash-launch
Services
Resource Groups
qtrainee-sso-role/akash.mahale@q...
N. Virginia
Support
1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review
Create Auto Scaling Group
Please review your Auto Scaling group details. You can go back to edit changes for each section. Click Create Auto Scaling group to complete the creation of an Auto Scaling group.
Auto Scaling Group Details
Edit details
Group name akash-autoscale
Group size 2
Minimum Group Size 2
Maximum Group Size 2
Subnet(s) subnet-017d283487b5590d6
Health Check Grace Period 300
Detailed Monitoring No
Instance Protection None
Service-Linked Role AWSServiceRoleForAutoScaling
Scaling Policies
Edit scaling policies
Scale Group Size Maintain metric type Average CPU Utilization at target value 50, with 60 seconds for instances to warm up.
Notifications
Edit notifications
Cancel
Previous
Create Auto Scaling group
Feedback
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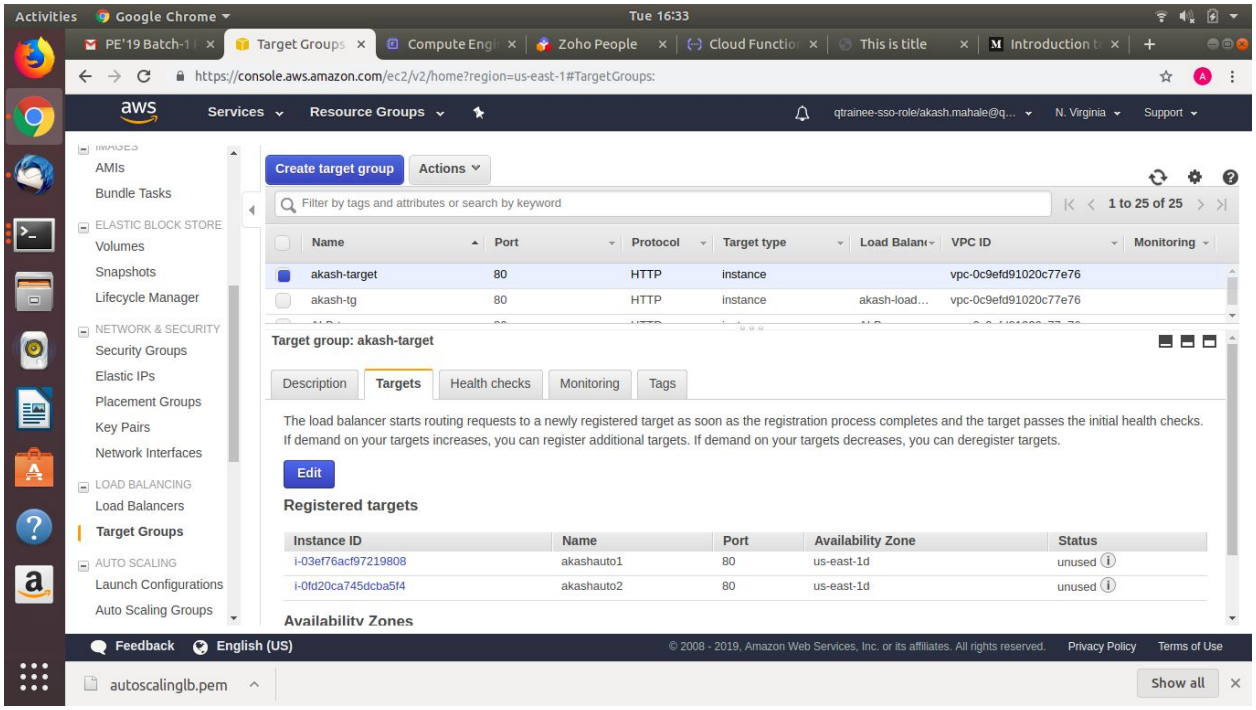
Activities
Google Chrome
Tue 16:33
Target Groups
https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#TargetGroups:
Services
Resource Groups
N. Virginia
Support
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
Create target group
Actions
Filter by tags and attributes or search by keyword
1 to 25 of 25
Name
Port
Protocol
Target type
VPC ID
Monitoring
akash-target
80
HTTP
instance
vpc-0c9efd91020c77e76
akash-tg
80
HTTP
instance
vpc-0c9efd91020c77e76
Target group: akash-target
Description
Targets
Health checks
Monitoring
Tags
The load balancer starts routing requests to a newly registered target as soon as the registration process completes and the target passes the initial health checks.
If demand on your targets increases, you can register additional targets. If demand on your targets decreases, you can deregister targets.
Edit
Registered targets
Instance ID
Name
Port
Availability Zone
Status
i-03ef76acf97219808
akashauto1
80
us-east-1d
unused
i-0fd20ca745dcba5f4
akashauto2
80
us-east-1d
unused
Availability Zones
Feedback
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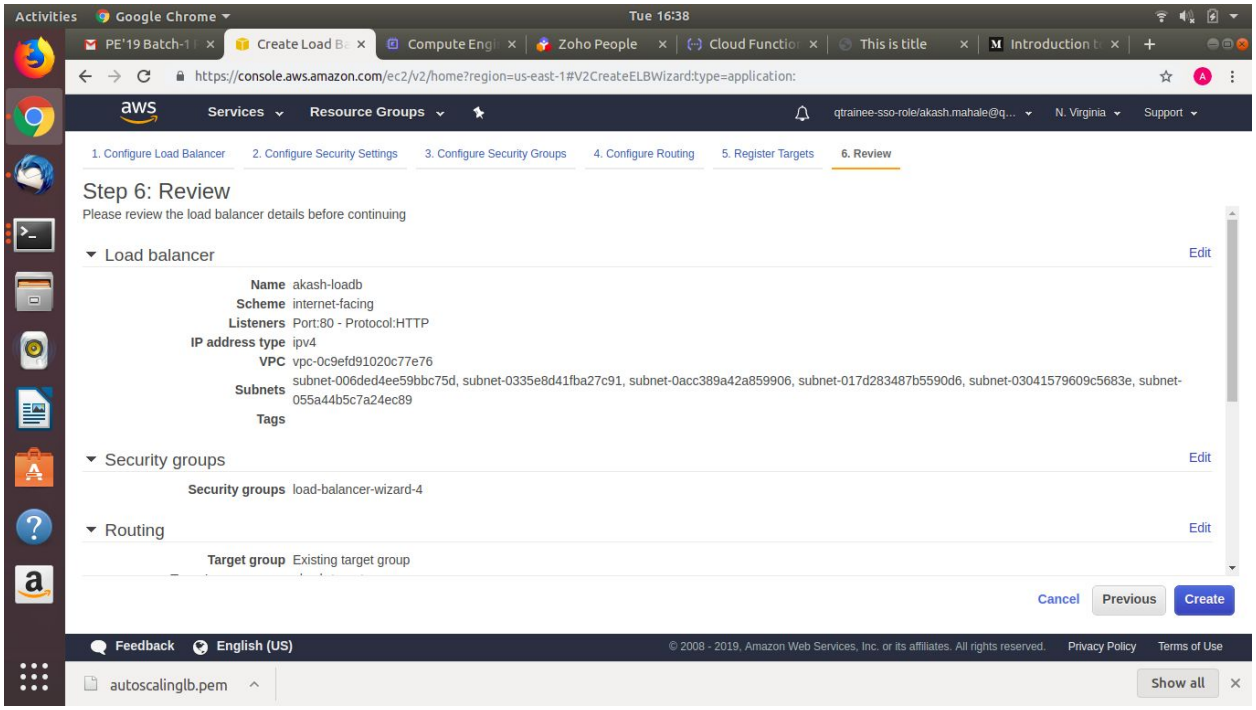
Activities
Google Chrome
Tue 16:38
Create Load Ba
https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#V2CreateELBWizard:type=application:
Services
Resource Groups
N. Virginia
Support
1. Configure Load Balancer
2. Configure Security Settings
3. Configure Security Groups
4. Configure Routing
5. Register Targets
6. Review
Step 6: Review
Please review the load balancer details before continuing
Load balancer
Edit
Name akash-loadb
Scheme internet-facing
Listeners Port:80 - Protocol:HTTP
IP address type ipv4
VPC vpc-0c9efd91020c77e76
Subnets subnet-006ded4ee59bbc75d, subnet-0335e8d41fba27c91, subnet-0acc389a42a859906, subnet-017d283487b5590d6, subnet-03041579609c5683e, subnet-055a44b5c7a24ec89
Tags
Security groups
Edit
Security groups load-balancer-wizard-4
Routing
Edit
Target group Existing target group
Cancel
Previous
Create
Feedback
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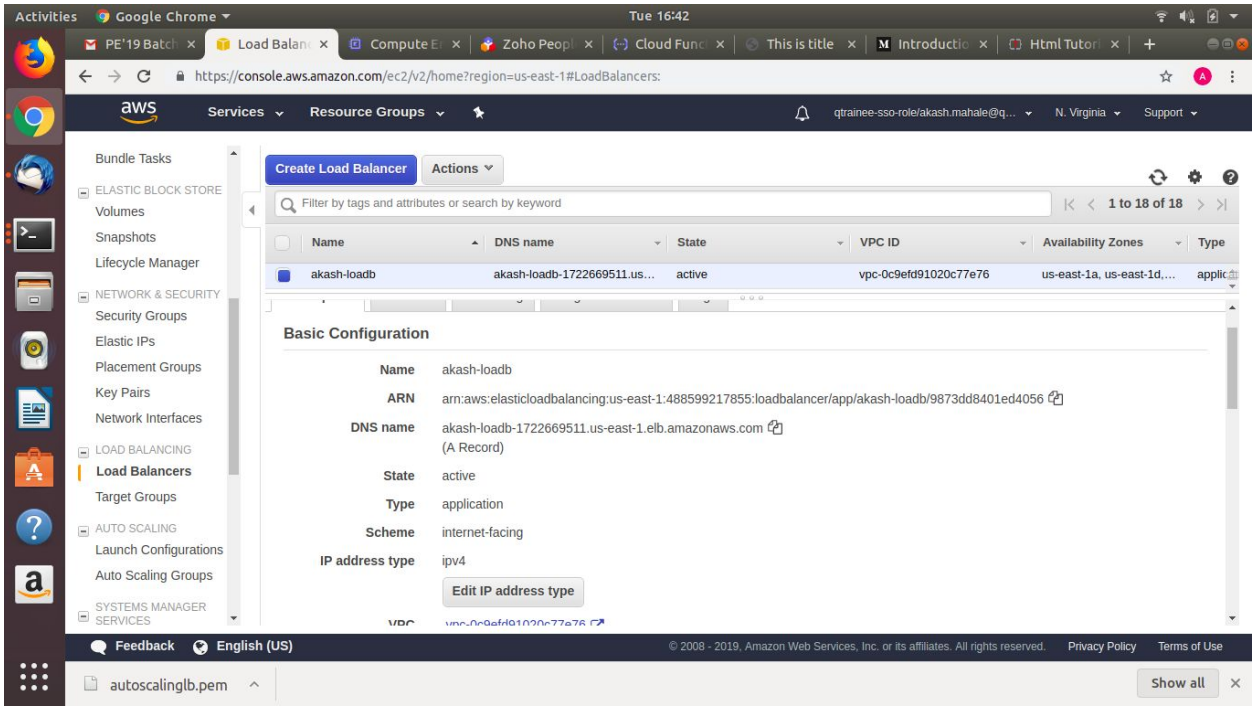
Activities
Google Chrome
Tue 16:42
https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#LoadBalancers:
aws
Services
Resource Groups
qtrainee-sso-role/akash.mahale@q...
N. Virginia
Support
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch Configurations
Auto Scaling Groups
SYSTEMS MANAGER SERVICES
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 18 of 18
Name
DNS name
State
VPC ID
Availability Zones
Type
akash-loadb
akash-loadb-1722669511.us...
active
vpc-0c9efd91020c77e76
us-east-1a, us-east-1d,...
Basic Configuration
Name
akash-loadb
ARN
arn:aws:elasticloadbalancing:us-east-1:488599217855:loadbalancer/app/akash-loadb/9873dd8401ed4056
DNS name
akash-loadb-1722669511.us-east-1.elb.amazonaws.com
(A Record)
State
active
Type
application
Scheme
internet-facing
IP address type
ipv4
Edit IP address type
Feedback
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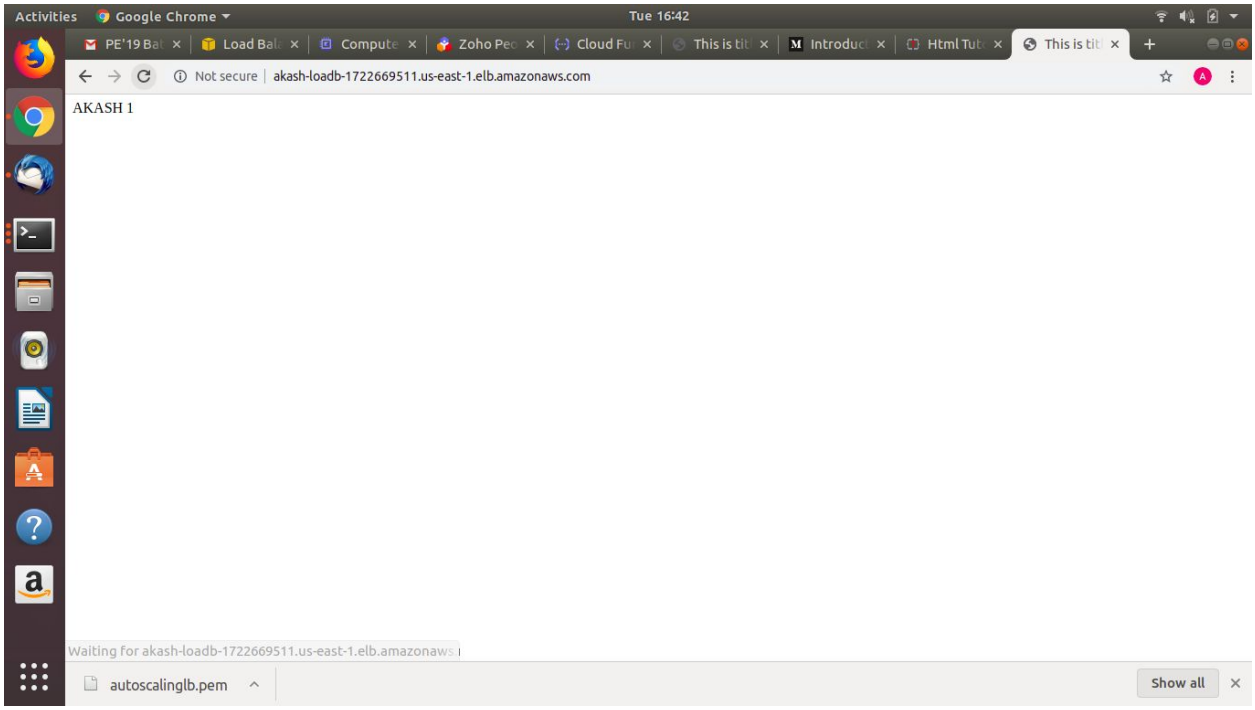
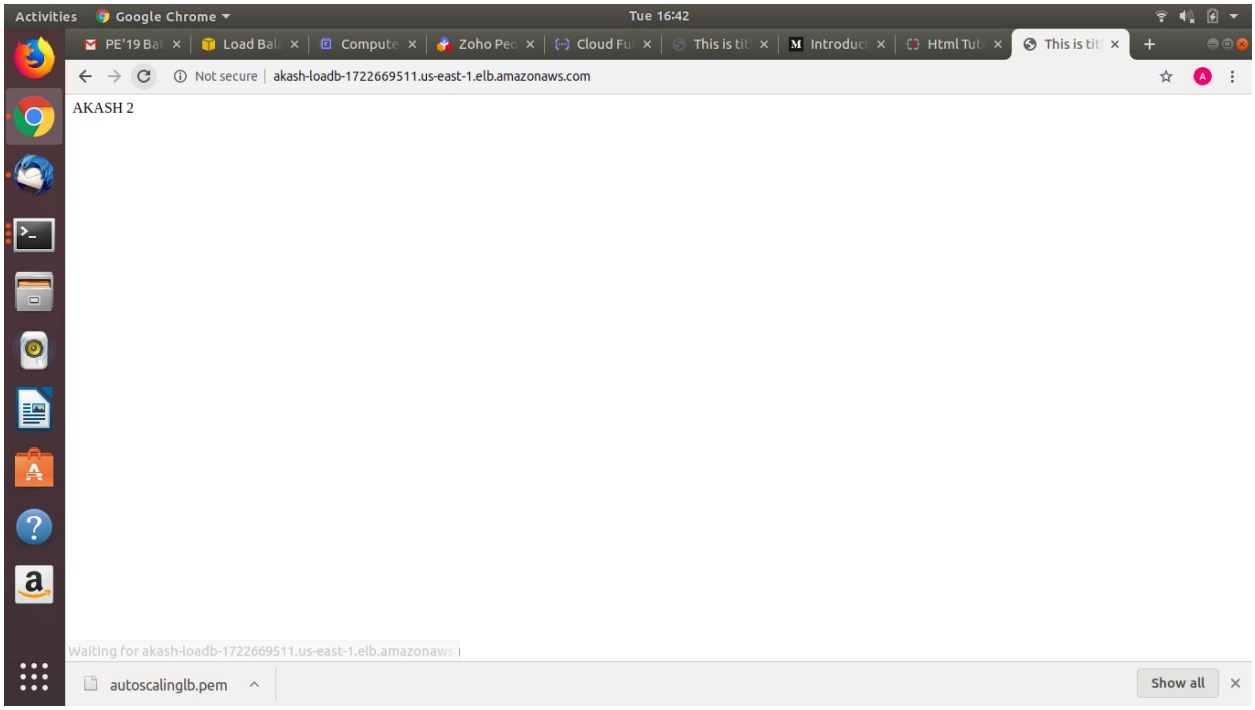

Activities
Google Chrome
Tue 16:42
This is tit
Not secure
akash-loadb-1722669511.us-east-1.elb.amazonaws.com
AKASH 1
Waiting for akash-loadb-1722669511.us-east-1.elb.amazonaws
autoscalinglb.pem
Show all


Activities
Google Chrome
Tue 16:42
This is tit
Not secure
akash-loadb-1722669511.us-east-1.elb.amazonaws.com
AKASH 2
Waiting for akash-loadb-1722669511.us-east-1.elb.amazonaws
autoscalinglb.pem
Show all