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Lab 3: Implementing Elastic Load Balancer (ELB)

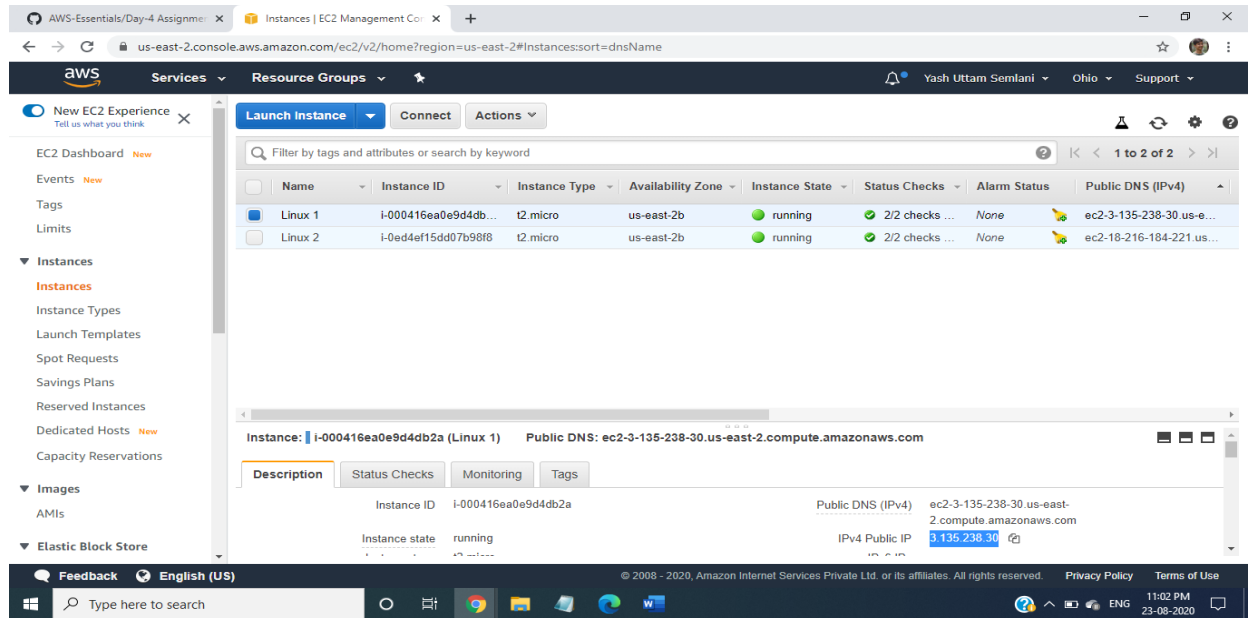


Fig1: 1st Linux 1 Instance Created

Public IP : 3.135.238.30

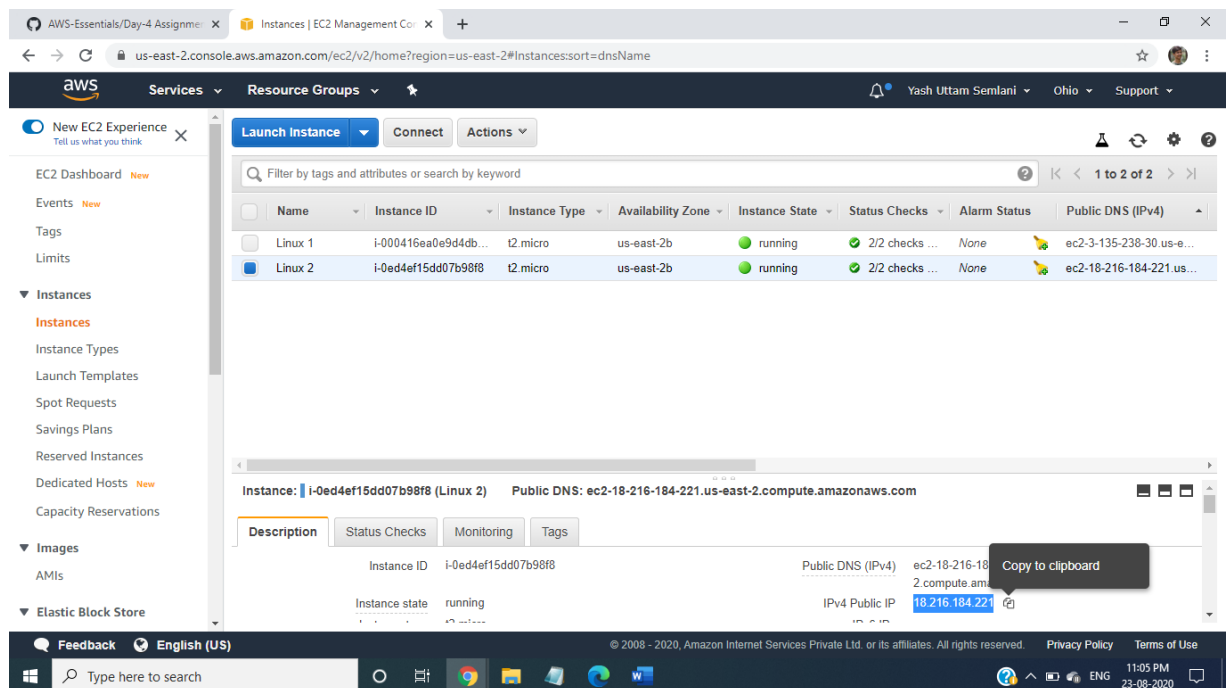


Fig2: 2nd Linux 2 Instance Created

Public IP : 18.216.184.221

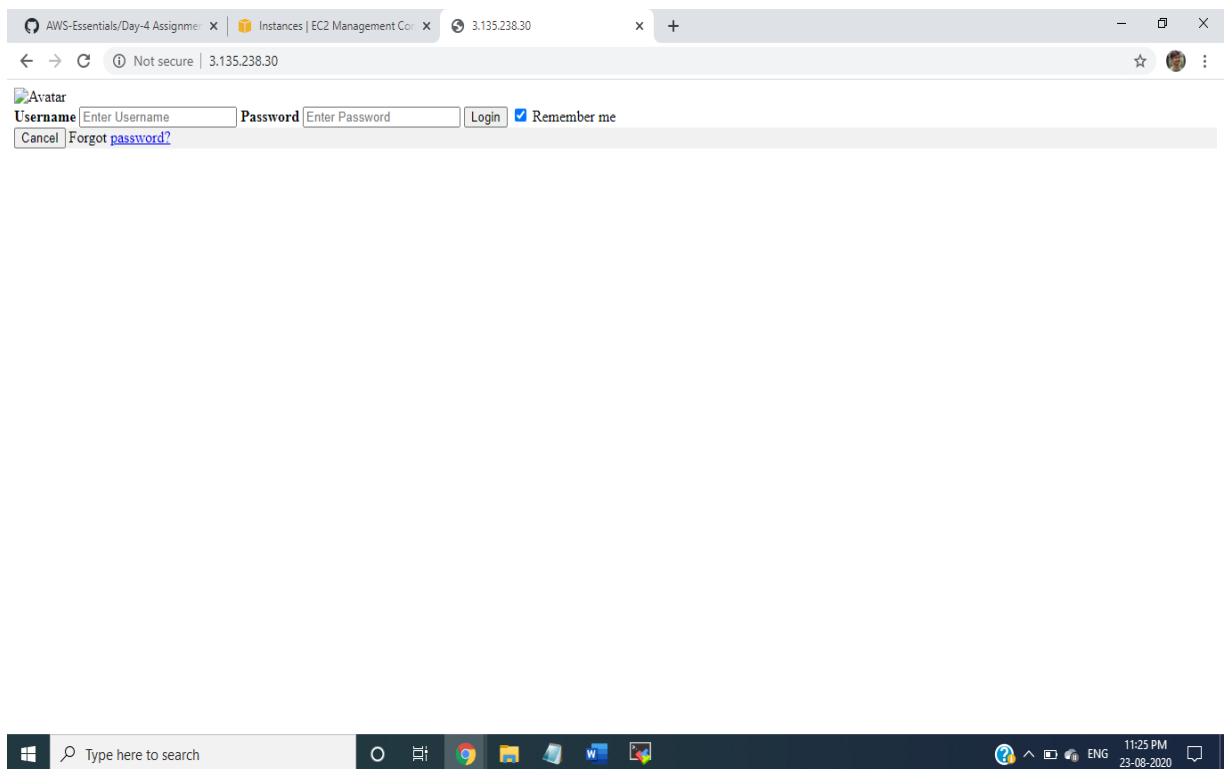


Fig 3 : Linux 1-Instance's server launched

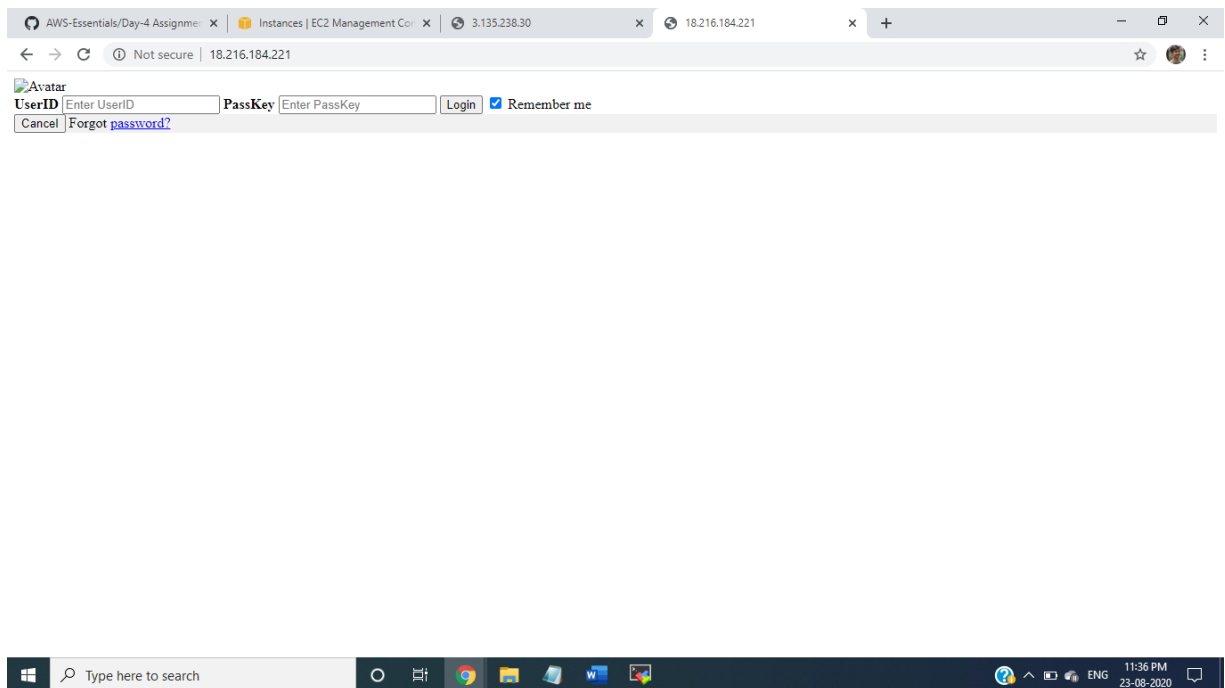


Fig 4 : Linux 2-Instance's server launched

Step 5: Register Targets

Remove

Instance	Name	Port	State	Security groups	Zone
<input type="checkbox"/> i-000416ea0e9d4db2a	Linux 1	80	running	launch-wizard-1	us-east-2b
<input type="checkbox"/> i-0ed4ef15dd07b98f8	Linux 2	80	running	launch-wizard-1	us-east-2b

Instances

To register additional instances, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.

Add to registered on port

Search Instances

Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
<input checked="" type="checkbox"/> i-000416ea0e9d4db2a	Linux 1	running	launch-wizard-1	us-east-2b	subnet-d75757ad	172.31.16.0/20
<input checked="" type="checkbox"/> i-0ed4ef15dd07b98f8	Linux 2	running	launch-wizard-1	us-east-2b	subnet-d75757ad	172.31.16.0/20

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Fig 5: Both the instances registered as targets in the ELB i.e Linux 1 and Linux 2

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type
Lab3	Lab3-1546525165.us-east-2.elb.amazonaws.com	active	vpc-f86fcc93	us-east-2a, us-east-2b	application

Lab3

Name Lab3

ARN [arn:aws:elasticloadbalancing:us-east-2:104168647730:loadbalancer/app/Lab3/820ce06cc9cf97ce](#)

DNS name [Lab3-1546525165.us-east-2.elb.amazonaws.com](#) (A Record)

State active

Type application

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Fig 6: ELB created

DNS : Lab3-1546525165.us-east-2.elb.amazonaws.com

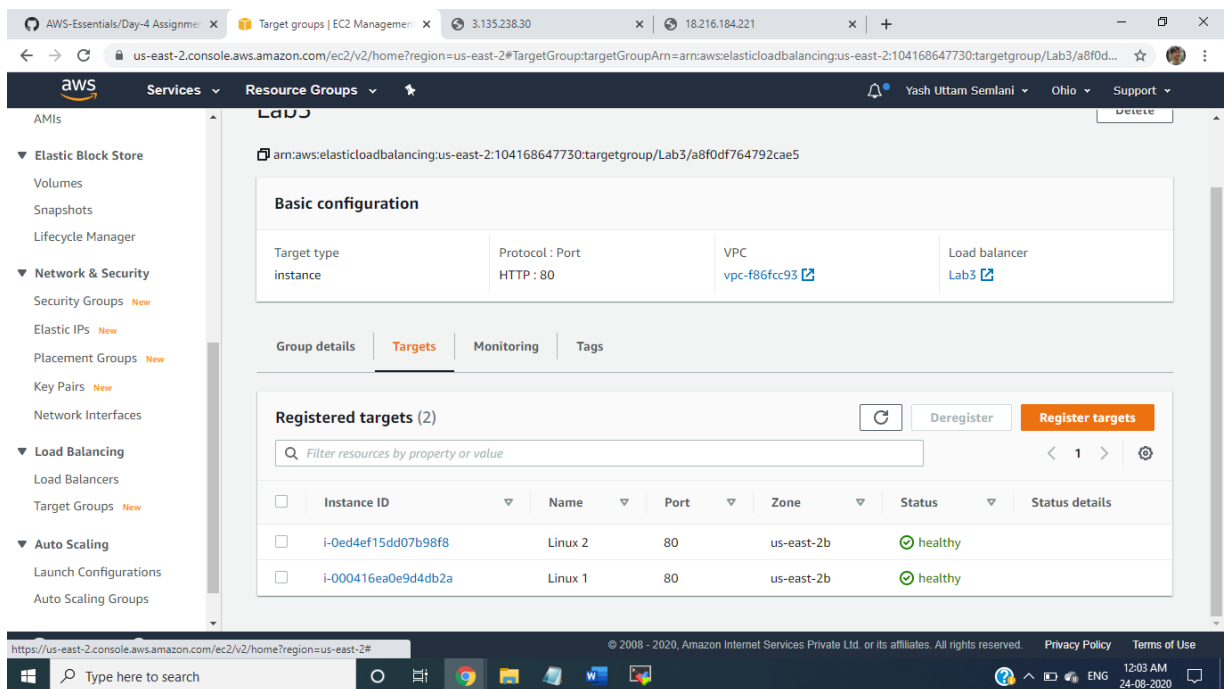


Fig 7: Both the instances checked as healthy i.e. they are successfully registered in the ELB

DNS : Lab3-1546525165.us-east-2.elb.amazonaws.com

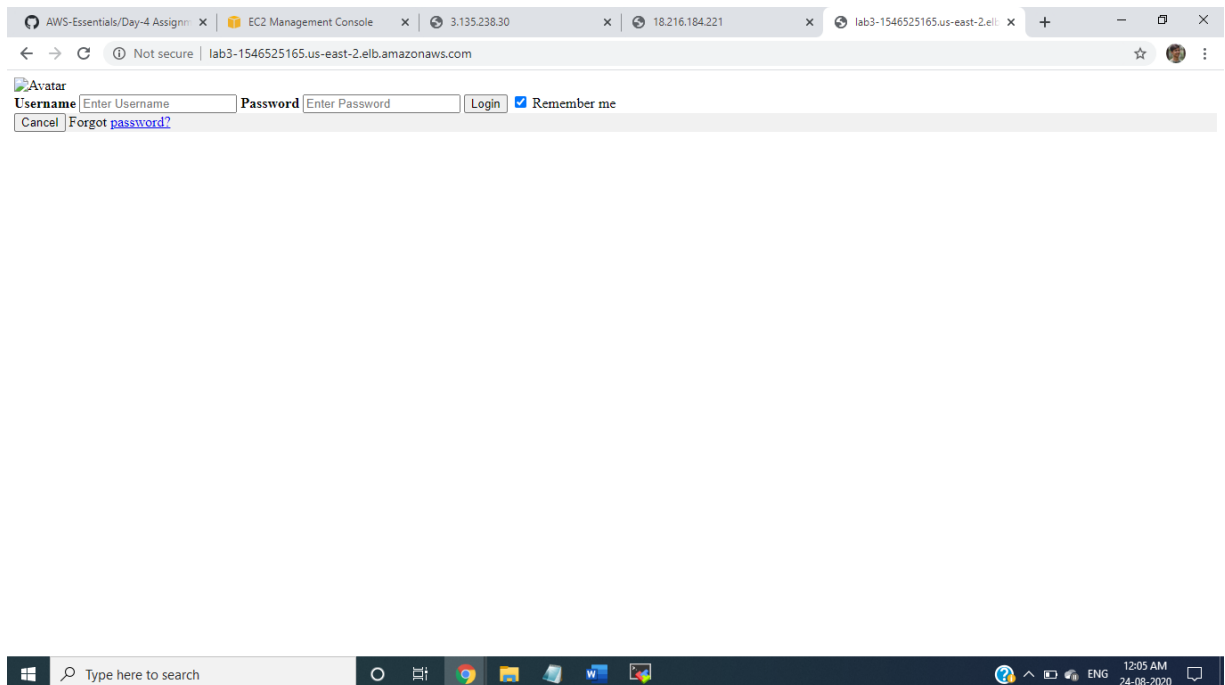


Fig 8: Load sent on Linux 1 server

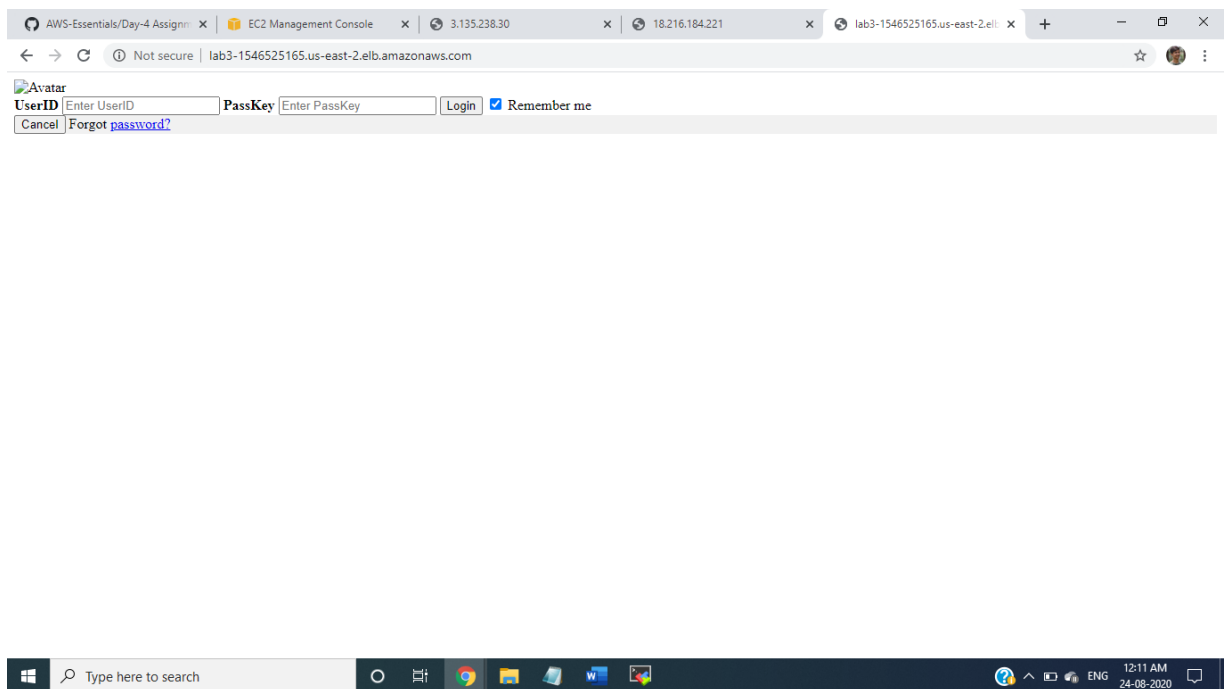


Fig 9: Load sent on Linux 2 server