

# 1. Creating Linux Servers

The image displays two screenshots of the AWS Management Console, specifically the EC2 Instances page, illustrating the creation and configuration of Linux servers.

**Top Screenshot: EC2 Instances List**

The top screenshot shows the EC2 Instances page with a list of instances. The instances are:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring
Linux 1	i-03521b0ec31d52011	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-15-217-64.us-east-2.compute.amazonaws.com	3.15.217.64	-	ec2KeyPair	disabled
ubuntu	i-03aa1d5a64a7dbd77	t2.micro	us-east-2b	terminated	2/2 checks ...	None	-	-	-	ec2KeyPair	disabled
Linux 2	i-072750a2fc1e4560	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-191-166-181.us-east-2.compute.amazonaws.com	18.191.166.181	-	ec2KeyPair	disabled
Windows	i-08f74420c5e9a5d1c	t2.micro	us-east-2c	terminated	2/2 checks ...	None	-	-	-	ec2KeyPair	disabled

The details for the selected instance (Linux 1) are shown below the table:

**Instance: i-03521b0ec31d52011 (Linux 1)** Public DNS: ec2-3-15-217-64.us-east-2.compute.amazonaws.com

**Description**

- Instance ID: i-03521b0ec31d52011
- Instance state: running
- Instance type: t2.micro
- Finding: Opt-in to AWS Compute Optimizer for recommendations. Learn more
- Private DNS: ip-172-31-46-249.us-east-2.compute.internal
- Private IPs: 172.31.46.249
- Secondary private IPs: -
- VPC ID: vpc-1c963477

**Public DNS (IPv4):** ec2-3-15-217-64.us-east-2.compute.amazonaws.com

**IPv4 Public IP:** 3.15.217.64

**IPv6 IPs:** -

**Elastic IPs:** -

**Availability zone:** us-east-2c

**Security groups:** launch-wizard-3, view inbound rules, view outbound rules

**Scheduled events:** No scheduled events

**AMI ID:** amazon2-ami-hvm-2.0.20200722.0-x86\_64-us2 (ami-07c8bc5c1ce958bc3)

**Bottom Screenshot: EC2 Instance Details (Linux 2)**

The bottom screenshot shows the details for the instance (Linux 2) selected in the top screenshot. The instance is running and has a public IP address of 18.191.166.181.

**Instance: i-072750a2fc1e4560 (Linux 2)** Public DNS: ec2-18-191-166-181.us-east-2.compute.amazonaws.com

**Description**

- Instance ID: i-072750a2fc1e4560
- Instance state: running
- Instance type: t2.micro
- Finding: Opt-in to AWS Compute Optimizer for recommendations. Learn more
- Private DNS: ip-172-31-33-131.us-east-2.compute.internal
- Private IPs: 172.31.33.131
- Secondary private IPs: -
- VPC ID: vpc-1c963477

**Public DNS (IPv4):** ec2-18-191-166-181.us-east-2.compute.amazonaws.com

**IPv4 Public IP:** 18.191.166.181

**IPv6 IPs:** -

**Elastic IPs:** -

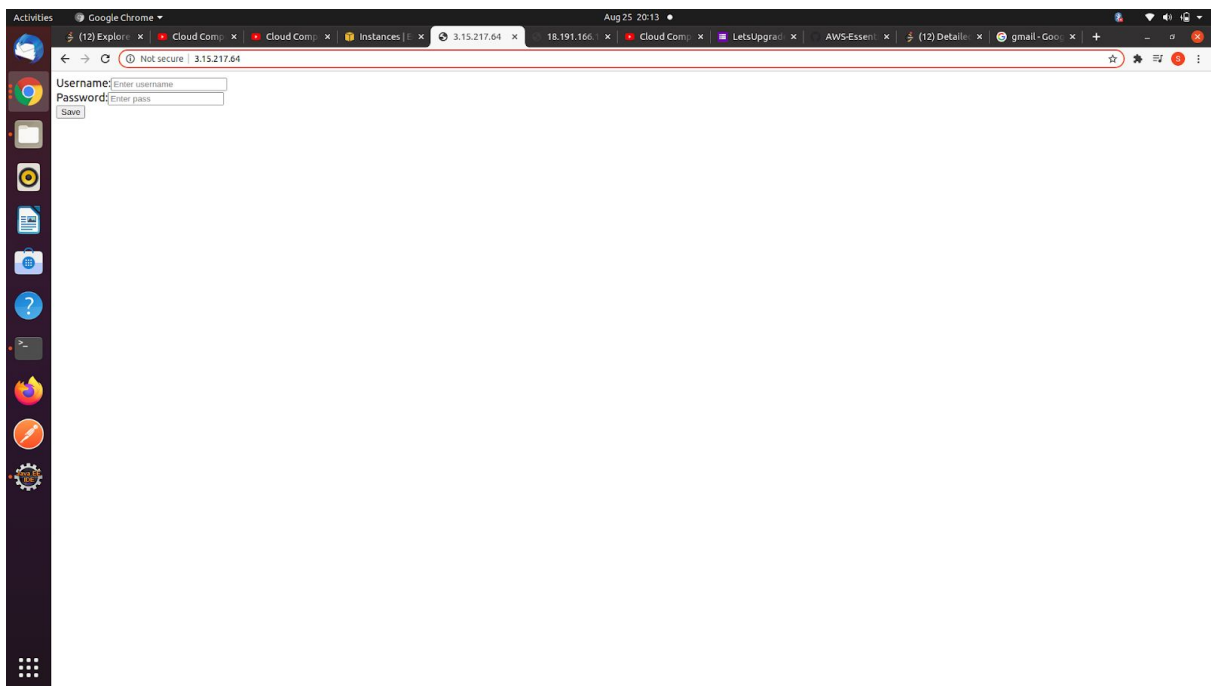
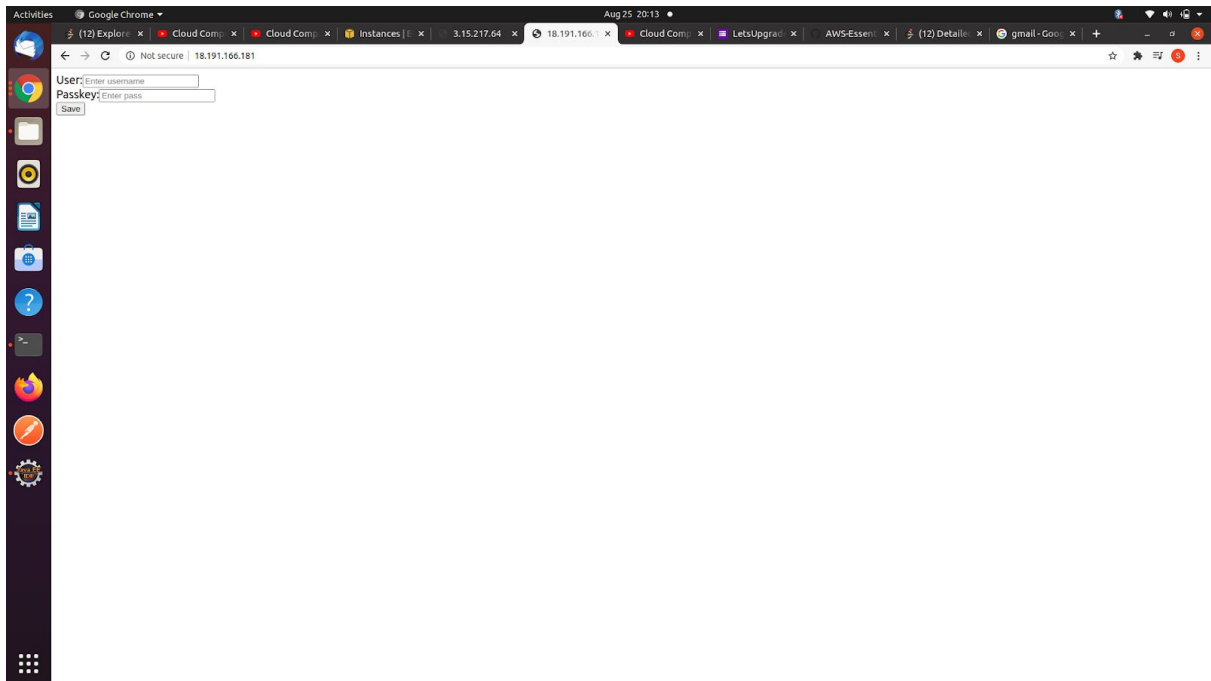
**Availability zone:** us-east-2c

**Security groups:** launch-wizard-3, view inbound rules, view outbound rules

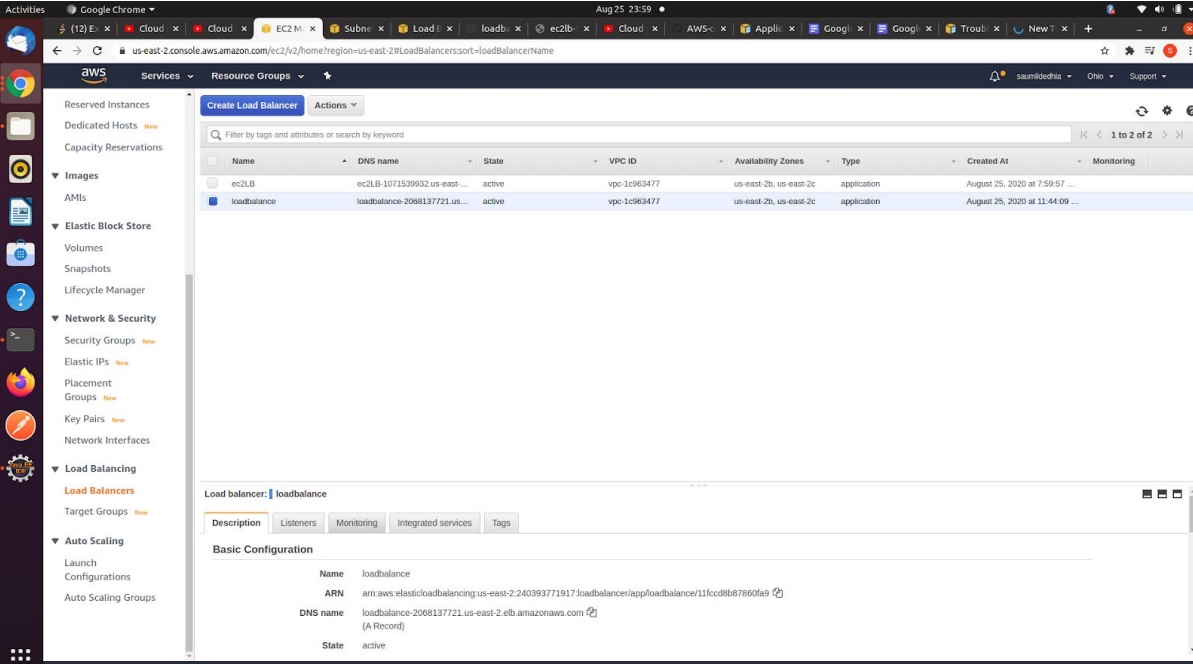
**Scheduled events:** No scheduled events

**AMI ID:** amazon2-ami-hvm-2.0.20200722.0-x86\_64-us2 (ami-07c8bc5c1ce958bc3)

## 2.Hosting an html page on both linux servers



### 3. Create Load Balancer and use its DNS to forward requests to both servers.



The screenshot shows the AWS Management Console interface. On the left, the navigation menu is visible with categories like Reserved Instances, Elastic Block Store, Network & Security, and Load Balancing. The 'Load Balancing' section is expanded, showing 'Load Balancers' and 'Target Groups'. The main content area displays a table of Load Balancers. Two load balancers are listed: 'ec2LB' and 'loadbalance'. The 'loadbalance' load balancer is selected, and its details are shown in the 'Basic Configuration' tab. The details include the Name, ARN, DNS name, and State.

Name	DNS name	State	VPC ID	Availability Zones	Type	Created At	Monitoring
ec2LB	ec2LB-1071539932.us-east-2.elb.amazonaws.com	active	vpc-1c963477	us-east-2b, us-east-2c	application	August 25, 2020 at 7:59:57 ...	
loadbalance	loadbalance-2068137721.us-east-2.elb.amazonaws.com	active	vpc-1c963477	us-east-2b, us-east-2c	application	August 25, 2020 at 11:44:09 ...	

Load balancer: **loadbalance**

Description | Listeners | Monitoring | Integrated services | Tags

**Basic Configuration**

Name	loadbalance
ARN	arn:aws:elasticloadbalancing:us-east-2:240393771917:loadbalancer/app/loadbalance/11fcc8b87860fa9
DNS name	loadbalance-2068137721.us-east-2.elb.amazonaws.com (A Record)
State	active

