

DAY 4-ASSIGNMENT

Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start

My AMIs	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-07c8bc51ce9598c3 (64-bit x86) / ami-09a67037138f86e67 (64-bit Arm)
AWS Marketplace	Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Community AMIs	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
<input checked="" type="checkbox"/> Free tier only ⓘ	<input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
	Select
	Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0f4aeaec5b3ce95152
Amazon Linux	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
	<input checked="" type="radio"/> 64-bit (x86)
	Select

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs ⓘ	Memory (GiB)	Instance Storage (GB) ⓘ	EBS-Optimized Available ⓘ	Network Performance ⓘ	IPv6 Support ⓘ
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances Launch into Auto Scaling Group

You may want to consider launching these instances into an Auto Scaling Group to help you maintain application availability and for easy scaling in the future. [Learn how Auto Scaling can help your application stay healthy and cost effective.](#)

Purchasing option Request Spot instances

Network

Subnet

Auto-assign Public IP

Placement group Add instance to placement group

Capacity Reservation

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Step 3: Configure Instance Details

Enable termination protection Protect against accidental termination

Monitoring Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy Additional charges will apply for dedicated tenancy.

Elastic Inference Add an Elastic Inference accelerator
Additional charges apply.

T2/T3 Unlimited Enable
Additional charges may apply

File systems

Advanced Details

Metadata accessible

Metadata version

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Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/xvda	snap-00a3ac8046ab803ef	30	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	(128 characters maximum)	Value	(256 characters maximum)	Instances	Volumes
<i>This resource currently has no tags</i>					

Choose the **Add tag** button or [click to add a Name tag](#).
Make sure your [IAM policy](#) includes permissions to create tags.

[Add Tag](#) (Up to 50 tags maximum)

Review and Launch

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Security Group](#)

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Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a new security group
 Select an existing security group

Security group name: launch-wizard-4
Description: launch-wizard-4 created 2020-08-23T20:55:04.370+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop

Add Rule

Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-4, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-07c8bc5c1ce9598c3
Free tier eligible
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.
Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Launch

Launch instance wizard | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

AWS Services Resource Groups

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups

Security group name: launch-wizard-4
Description: launch-wizard-4 created 2020-08-23T20:55:04.370+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	
All traffic	All	All	::/0	

Instance Details

Storage

Cancel Previous Launch

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Launch instance wizard | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

AWS Services Resource Groups

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups

Security group name: launch-wizard-4
Description: launch-wizard-4 created 2020-08-23T20:55:04.370+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	
All traffic	All	All	::/0	

Instance Details

Number of instances: 2
Network: vpc-1
Subnet: No preference (default subnet in any Availability Zone)

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair: Select a key pair: letusupgrade

I acknowledge that I have access to the selected private key file (letusupgrade.pem), and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

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Instances | EC2 Management Consoles

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=desc:tag:Name

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Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
linux1	i-0686488d917bb6c56	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-52-15-145-158.us...
linux2	i-0efb45a142149312b	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-191-134-166.us...

Select an instance above

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Load Balancers | EC2 Management Consoles

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LoadBalancers:sort=loadBalancerName

Services Resource Groups

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Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type
------	----------	-------	--------	--------------------	------

You do not have any load balancers in this region.

Select a load balancer

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Select load balancer type

Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers (new), and Classic Load Balancers. Choose the load balancer type that meets your needs. [Learn more about which load balancer is right for you](#)

Application Load Balancer	Network Load Balancer	Classic Load Balancer
Create	Create	Create
Choose an Application Load Balancer when you need a flexible feature set for your web applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.	Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your application. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.	Choose a Classic Load Balancer when you have an existing application running in the EC2-Classic network.
Learn more >	Learn more >	Learn more >

[Cancel](#)

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Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

AWS Services Resource Groups

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1. Configure Load Balancer 2. Configure Security Settings 3. Configure Security Groups 4. Configure Routing 5. Register Targets 6. Review

Step 1: Configure Load Balancer

Availability Zones

Specify the Availability Zones to enable for your load balancer. The load balancer routes traffic to the targets in these Availability Zones only. You can specify only one subnet per Availability Zone. You must specify subnets from at least two Availability Zones to increase the availability of your load balancer.

VPC	vpc-14e3417f (172.31.0.0/16) (default)
Availability Zones	<input checked="" type="checkbox"/> us-east-2a subnet-83b47ee8 <input checked="" type="checkbox"/> us-east-2b subnet-dd3f3fa7 <input type="checkbox"/> us-east-2c subnet-30fe967c
IPv4 address	Assigned by AWS

Add-on services

Additional AWS services can be integrated with this load balancer at launch when you enable them below. You can also add these and other services after your load balancer is created by reviewing the "Integrated services" section of the Load Balancer console.

[Cancel](#) [Next: Configure Security Settings](#)

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Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

AWS Services Resource Groups

Parvathi J Ohio Support Paused

1. Configure Load Balancer 2. Configure Security Settings 3. Configure Security Groups 4. Configure Routing 5. Register Targets 6. Review

Step 1: Configure Load Balancer

Add-on services

Additional AWS services can be integrated with this load balancer at launch when you enable them below. You can also add these and other services after your load balancer is created by reviewing the "Integrated services" section of the Load Balancer console.

[Cancel](#) [Next: Configure Security Settings](#)

Step 1: Configure Load Balancer

Basic Configuration

To configure your load balancer, provide a name, select a scheme, specify one or more listeners, and select a network. The default configuration is an Internet-facing load balancer in the selected network with a listener that receives HTTP traffic on port 80.

Name: LetsUpgadeelb
 Scheme: internet-facing
 IP address type: ipv4

Listeners

A listener is a process that checks for connection requests, using the protocol and port that you configured.

Load Balancer Protocol	Load Balancer Port
HTTP	80

Add listener

Cancel Next: Configure Security Settings

Step 2: Configure Security Settings

⚠ Improve your load balancer's security. Your load balancer is not using any secure listener.

If your traffic to the load balancer needs to be secure, use the HTTPS protocol for your front-end connection. You can go back to the first step to add/configure secure listeners under [Basic Configuration](#) section. You can also continue with current settings.

Cancel Previous Next: Configure Security Groups

Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

Services Resource Groups

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1. Configure Load Balancer 2. Configure Security Settings 3. Configure Security Groups 4. Configure Routing 5. Register Targets 6. Review

Step 3: Configure Security Groups

A security group is a set of firewall rules that control the traffic to your load balancer. On this page, you can add rules to allow specific traffic to reach your load balancer. First, decide whether to create a new security group or select an existing one.

Assign a security group: Create a new security group Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source
All traffic	All	0 - 65535	Anywhere 0.0.0.0/0, ::/0

Add Rule

Cancel Previous Next: Configure Routing

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Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

Services Resource Groups

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1. Configure Load Balancer 2. Configure Security Settings 3. Configure Security Groups 4. Configure Routing 5. Register Targets 6. Review

Step 4: Configure Routing

Target group

Target group: New target group

Name: newtarget

Target type: Instance IP Lambda function

Protocol: HTTP

Port: 80

Health checks

Protocol: HTTP

Path: /

Advanced health check settings

Cancel Previous Next: Register Targets

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Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

Services Resource Groups

Parvathi J Ohio Support

1. Configure Load Balancer 2. Configure Security Settings 3. Configure Security Groups 4. Configure Routing 5. Register Targets 6. Review

Step 5: Register Targets

Remove

Instance	Name	Port	State	Security groups	Zone
i-0686488d917bb6c56	linux1	80	running	launch-wizard-4	us-east-2c
i-0efb45a142149312b	linux2	80	running	launch-wizard-4	us-east-2c

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 80

Search Instances

Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
i-0686488d917bb6c56	linux1	running	launch-wizard-4	us-east-2c	subnet-30fe967c	172.31.32.0/20
i-0efb45a142149312b	linux2	running	launch-wizard-4	us-east-2c	subnet-30fe967c	172.31.32.0/20

Cancel Previous Next: Review

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Create Load Balancer | EC2 Manager

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application:

Services Resource Groups

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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

- Name LetsUpgradeelb
- Scheme internet-facing
- Listeners Port:80 - Protocol:HTTP
- IP address type ipv4
- VPC vpc-14e3417f
- Subnets subnet-83b47ee8, subnet-dd3f3fa7
- Tags

Security groups

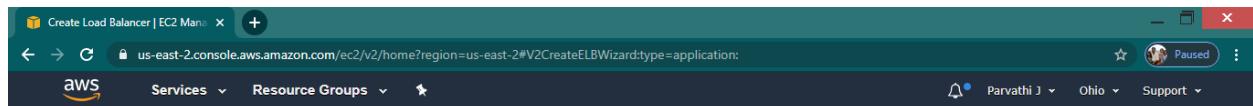
- Security groups load-balancer-wizard-1

Routing

- Target group New target group
- Target group name newtarget
- Port 80
- Target type instance
- Protocol HTTP

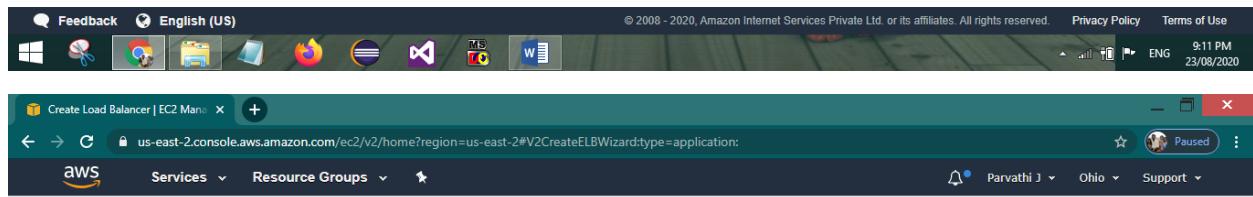
Cancel Previous Create

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Load Balancer Creation Status

Created security group	Completed
Authorized security groups	Completed
Create Load Balancer	Completed
Create target group	Completed
Add to registered	Completed
Create Listener	Completed



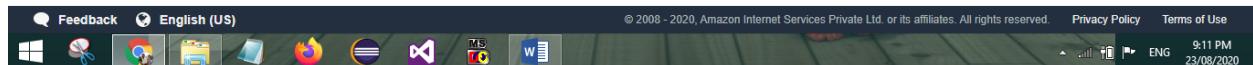
Load Balancer Creation Status

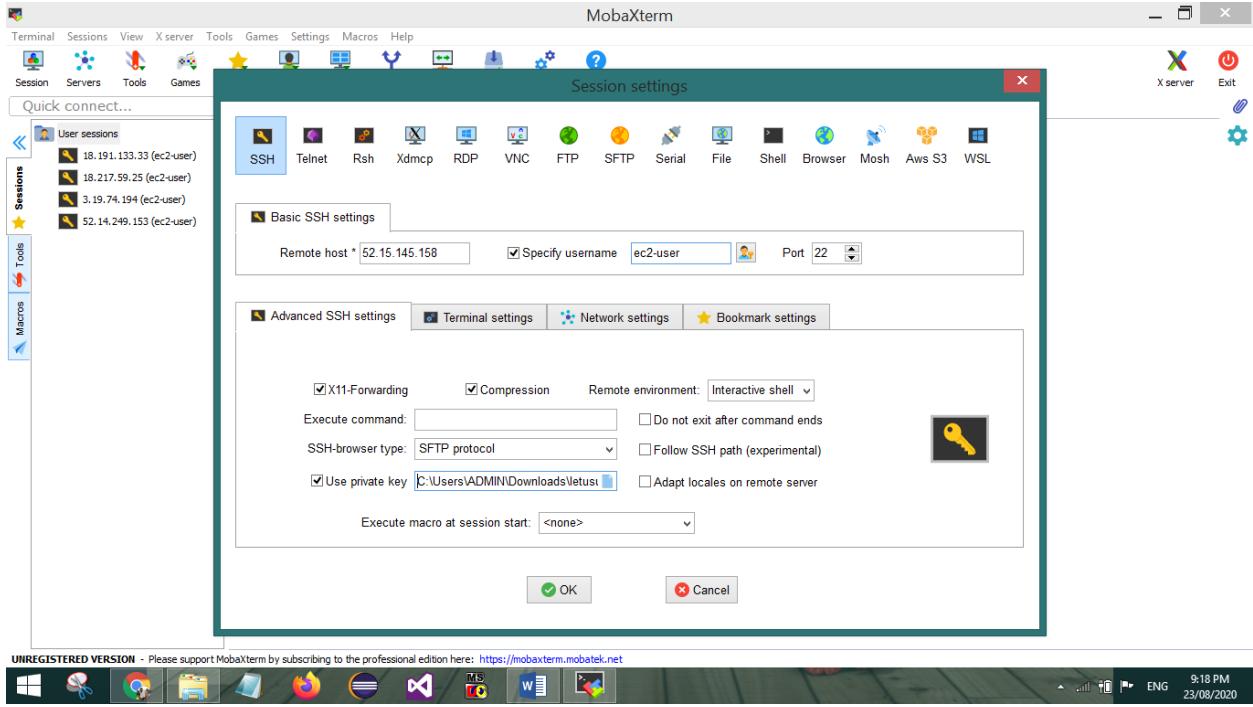
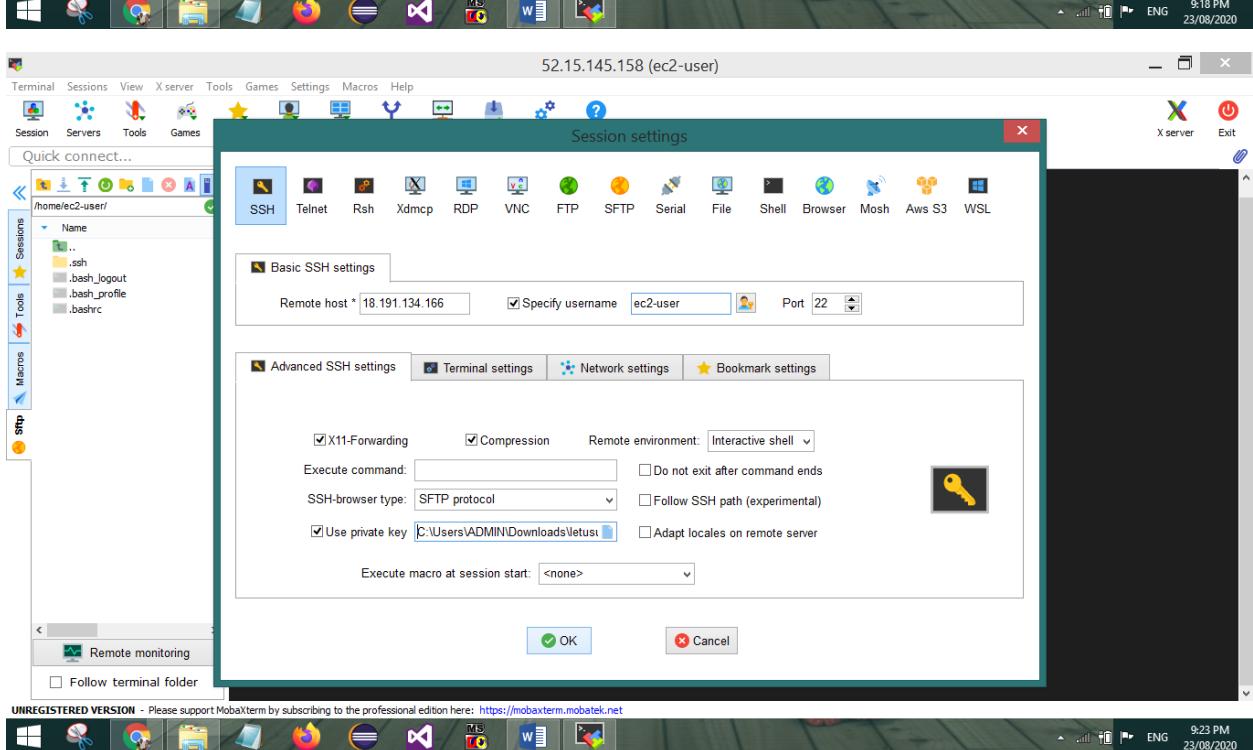
✓ Successfully created load balancer
Load balancer LetsUpgradeelb was successfully created.
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic, and for the targets to complete the registration process and pass the initial health checks.

Suggested next steps

- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within LetsUpgradeelb
- Consider using AWS Global Accelerator to further improve the availability and performance of your applications. [AWS Global Accelerator console](#)

[Close](#)



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52.15.145.158 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help

Quick connect...

User sessions

- 18.191.133.33 (ec2-user)
- 18.191.134.166 (ec2-user)
- 18.217.59.25 (ec2-user)
- 3.19.74.194 (ec2-user)
- 52.14.249.153 (ec2-user)
- 52.15.145.158 (ec2-user)

```
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn"><cancel></button>
<span class="psw"><a href="#">Forgot password?</a></span>
</div>
</form>
```

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System tray: ENG 9:43 PM 23/08/2020

52.15.145.158 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help

Quick connect...

User sessions

- 18.191.133.33 (ec2-user)
- 18.191.134.166 (ec2-user)
- 18.217.59.25 (ec2-user)
- 3.19.74.194 (ec2-user)
- 52.14.249.153 (ec2-user)
- 52.15.145.158 (ec2-user)

```
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-39-137 ec2-user]# sudo su
[root@ip-172-31-39-137 ec2-user]# yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.43-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.43-1.amzn2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.43-1.amzn2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: libaprutil1.so.0()(64bit) for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: libapr1.so.0()(64bit) for package: httpd-2.4.43-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd-filesystem.noarch 0:2.4.43-1.amzn2 will be installed
--> Package httpd-tools.x86_64 0:2.4.43-1.amzn2 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.3-2.amzn2 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
```

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System tray: ENG 9:44 PM 23/08/2020

52.15.145.158 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
User sessions
  18.191.133.33 (ec2-user)
  18.191.134.166 (ec2-user)
  18.217.59.25 (ec2-user)
  3.19.74.194 (ec2-user)
  52.14.249.153 (ec2-user)
  52.15.145.158 (ec2-user)

Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.6.3-5.amzn2.0.2.x86_64
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64
  Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64
  Installing : httpd-tools-2.4.43-1.amzn2.x86_64
  Installing : generic-logos-httd-18.0.0-4.amzn2.noarch
  Installing : mailcap-2.1.41-2.amzn2.noarch
  Installing : httpd-filesystem-2.4.43-1.amzn2.noarch
  Installing : mod_http2-1.15.3-2.amzn2.x86_64
  Installing : httpd-2.4.43-1.amzn2.x86_64
  Verifying   : apr-1.6.3-5.amzn2.0.2.x86_64
  Verifying   : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64
  Verifying   : httpd-2.4.43-1.amzn2.x86_64
  Verifying   : mod_http2-1.15.3-2.amzn2.x86_64
  Verifying   : httpd-filesystem-2.4.43-1.amzn2.noarch
  Verifying   : generic-logos-httd-18.0.0-4.amzn2.noarch
  Verifying   : httpd-tools-2.4.43-1.amzn2.x86_64

Installed:
  httpd.x86_64 0:2.4.43-1.amzn2

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2           apr.util.x86_64 0:1.6.1-5.amzn2.0.2           apr.util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httd.noarch 0:18.0.0-4.amzn2  httpd.filesystem.noarch 0:2.4.43-1.amzn2        httpd-tools.x86_64 0:2.4.43-1.amzn2
  mailcap.noarch 0:2.1.41-2.amzn2            mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[root@ip-172-31-39-137 ec2-user]# cd /var/www/html
[root@ip-172-31-39-137 html]# pwd
/var/www/html
[root@ip-172-31-39-137 html]# vi index.html
[root@ip-172-31-39-137 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn"><Cancel></button>
<span class="psw"><a href="#">Forgot password?</a></span>
</div>
</form>

[root@ip-172-31-39-137 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-39-137 html]#

```

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52.15.145.158 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
User sessions
  18.191.133.33 (ec2-user)
  18.191.134.166 (ec2-user)
  18.217.59.25 (ec2-user)
  3.19.74.194 (ec2-user)
  52.14.249.153 (ec2-user)
  52.15.145.158 (ec2-user)

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2           apr.util.x86_64 0:1.6.1-5.amzn2.0.2           apr.util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httd.noarch 0:18.0.0-4.amzn2  httpd.filesystem.noarch 0:2.4.43-1.amzn2        httpd-tools.x86_64 0:2.4.43-1.amzn2

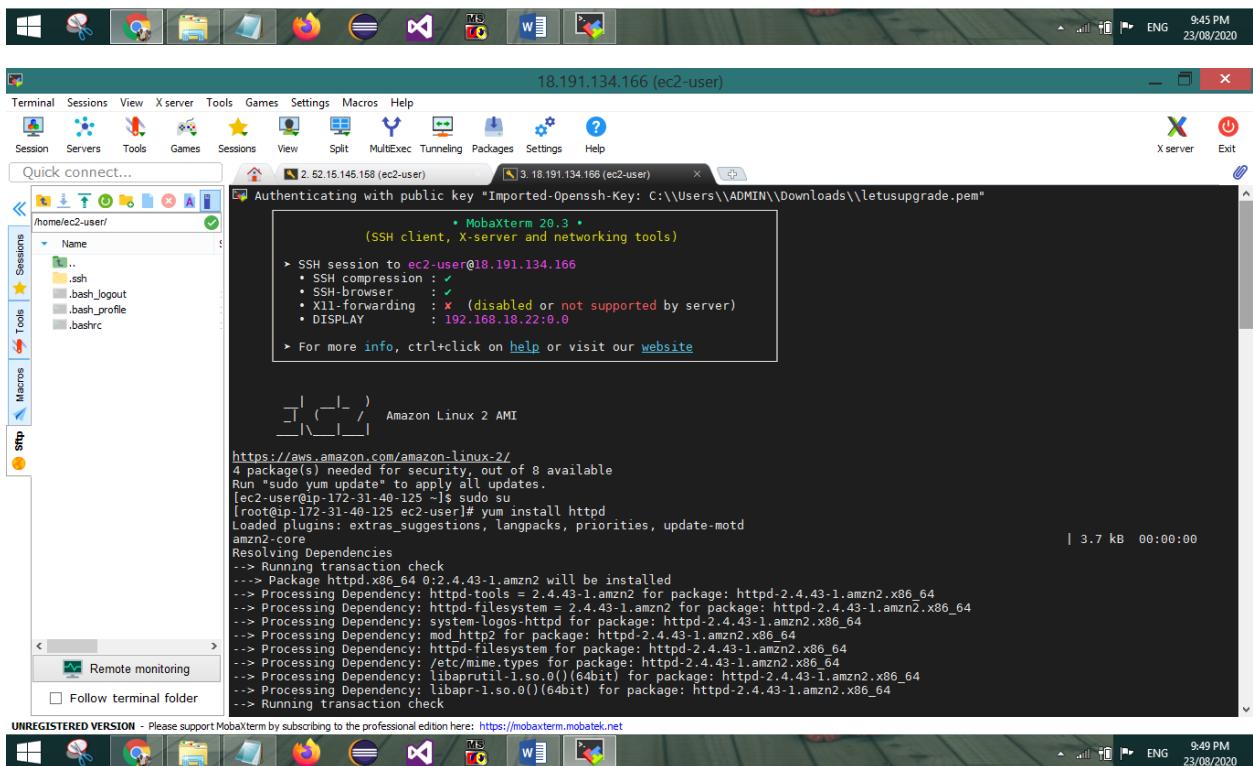
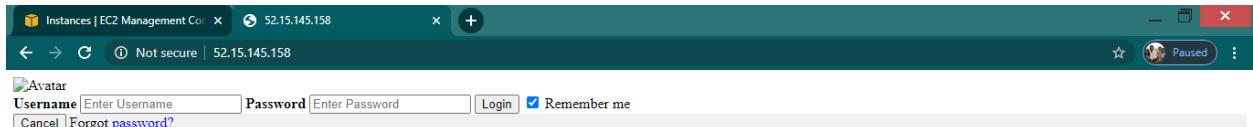
Complete!
[root@ip-172-31-39-137 ec2-user]# cd /var/www/html
[root@ip-172-31-39-137 html]# pwd
/var/www/html
[root@ip-172-31-39-137 html]# vi index.html
[root@ip-172-31-39-137 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn"><Cancel></button>
<span class="psw"><a href="#">Forgot password?</a></span>
</div>
</form>

[root@ip-172-31-39-137 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-39-137 html]#

```

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18.191.134.166 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
2 52.15.145.158 (ec2-user) 3. 18.191.134.166 (ec2-user)
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.6.3-5.amzn2.0.2.x86_64
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64
  Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64
  Installing : httpd-tools-2.4.43-1.amzn2.x86_64
  Installing : generic-logos-httdp-18.0.0-4.amzn2.noarch
  Installing : mailcap-2.1.41-2.amzn2.noarch
  Installing : httpd-filesystem-2.4.43-1.amzn2.noarch
  Installing : mod_http2-1.15.3-2.amzn2.x86_64
  Verifying : httpd-2.4.43-1.amzn2.x86_64
  Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64
  Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64
  Verifying : httpd-2.4.43-1.amzn2.x86_64
  Verifying : mod_http2-1.15.3-2.amzn2.x86_64
  Verifying : httpd-filesystem-2.4.43-1.amzn2.noarch
  Verifying : apr-1.6.3-5.amzn2.0.2.x86_64
  Verifying : mailcap-2.1.41-2.amzn2.noarch
  Verifying : generic-logos-httdp-18.0.0-4.amzn2.noarch
  Verifying : httpd-tools-2.4.43-1.amzn2.x86_64

Installed:
  httpd.x86_64 0:2.4.43-1.amzn2

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2           apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httdp.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.43-1.amzn2
  mailcap.noarch 0:2.1.41-2.amzn2          mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[root@ip-172-31-40-125 ec2-user]# cd /var/www/html
[root@ip-172-31-40-125 html]# vi index.html
[root@ip-172-31-40-125 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname"><b>UserId</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw"><b>Passkey</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>

[root@ip-172-31-40-125 html]# start httpd service
bash: start: command not found
[root@ip-172-31-40-125 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-40-125 html]#

```

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18.191.134.166 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help
Quick connect...
2 52.15.145.158 (ec2-user) 3. 18.191.134.166 (ec2-user)
Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2           apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httdp.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.43-1.amzn2
  mailcap.noarch 0:2.1.41-2.amzn2          mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!
[root@ip-172-31-40-125 ec2-user]# cd /var/www/html
[root@ip-172-31-40-125 html]# vi index.html
[root@ip-172-31-40-125 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

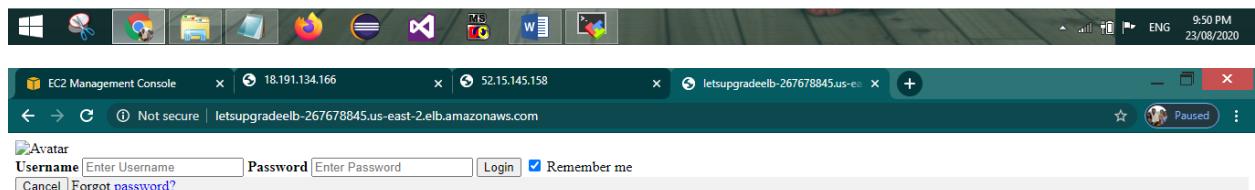
</div>
<div class="container">
<label for="uname"><b>UserId</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw"><b>Passkey</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
</label>
</div>
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>

[root@ip-172-31-40-125 html]# start httpd service
bash: start: command not found
[root@ip-172-31-40-125 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-40-125 html]#

```

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NAME:PARVATHI J



NAME:PARVATHI J

