

DAY-4 ASSIGNMENT

The screenshot shows two browser windows side-by-side. The left window displays the AWS EC2 Management Console dashboard for the US East (Ohio) Region. It shows 2 running instances, 0 dedicated hosts, 2 volumes, 1 key pair, and 0 placement groups. The right window shows the 'Launch instance wizard' for choosing an Amazon Machine Image (AMI). The 'Amazon Linux 2 AMI (HVM)' is selected, and the 'Select' button is visible. Both windows have a blue bar at the top indicating they are from the new EC2 console.

Dashboard | EC2 Management

Welcome to the new EC2 console!

We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Running instances	2	Elastic IPs	0
Dedicated Hosts	0	Snapshots	0
Volumes	2	Load balancers	0
Key pairs	1	Security groups	4
Placement groups	0		

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

Account attributes

- Supported platforms
 - VPC
- Default VPC: vpc-0b1cbf60
- Settings
 - EBS encryption
 - Zones
 - Default credit specification
 - Console experiments

Feedback English (US)

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Launch instance wizard | EC2 Management

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
- AWS Marketplace
- Community AMIs
- Free tier only

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-07c8bc5c1ce9598c3 (64-bit x86) / ami-09a67037138fb6e67 (64-bit Arm)

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 ENA Enabled: Yes

Select

64-bit (x86) 64-bit (Arm)

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0f4aeaec5b3ce9152

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.

Select

64-bit (x86)

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Launch instance wizard | EC2 Manager

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

Services Resource Groups

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

Step 100 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	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

Cancel Previous Review and Launch Next: Configure Instance Details

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Launch instance wizard | EC2 Manager

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

Services Resource Groups

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

Step 100 configure Instance Details

Configure instance details for your new instances. You can change these settings later. You can also add tags, security groups, and storage volumes to your instances. You can also launch them into an Auto Scaling group.

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 Open

Cancel Previous Review and Launch Next: Add Storage

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Launch instance wizard | EC2 Manager

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

Services Resource Groups

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

Step 100 Configure Instance Details

Shutdown behavior: Stop

Stop - Hibernate behavior: Enable hibernation as an additional stop behavior

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy: Shared - Run a shared hardware instance
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: Add file system Create new file system

Cancel Previous Review and Launch Next: Add Storage

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Launch instance wizard | EC2 Manager

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

Services Resource Groups

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

Step 100 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 Encrypt

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.

Cancel Previous Review and Launch Next: Add Tags

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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)
<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)

Cancel Previous Review and Launch Next: Configure Security Group

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 2020-08-23T20:44:44.503+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere	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.

Cancel Previous Review and Launch

Launch instance wizard | EC2 Manager

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

Services Resource Groups

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

Revathi J Ohio Support Paused

Step 100 Review Instance Launch

AMI Details

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

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 2020-08-23T20:44:44.503+05:30

Edit security groups

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:

Services Resource Groups

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

Revathi J Ohio Support Paused

Step 100 Review Instance Launch

Instance Details

Storage

Tags

Edit instance details

Edit storage

Edit tags

Cancel Previous Launch

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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](#).

Type: Choose an existing key pair
Select a key pair: letsupgrade
 I acknowledge that I have access to the selected private key file (letsupgrade.pem), and that without this file, I won't be able to log into my instance.

Cancel Launch Instances

Launch status

Your instances are now launching
The following instance launches have been initiated: i-07c69e45478feefb, i-0ea92868c686818b9 View launch log

Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can [connect](#) to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- How to connect to your Linux instance
- Learn about AWS Free Usage Tier
- Amazon EC2: User Guide
- Amazon EC2: Discussion Forum

The image consists of three vertically stacked screenshots of the AWS Management Console, all taken from the same session with the URL <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#>.

Screenshot 1: EC2 Instances

The left sidebar shows the navigation menu with "Instances" selected under "EC2". The main content displays a table of instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
linux2	i-06ccab156ae5e2c35	t2.micro	us-east-2c	terminated	None	None	
linux2	i-07c69e45478feefb	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-13-58-211-155.us...
linux1	i-0ea92860c686818b9	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-191-43-198.us...

Screenshot 2: Load Balancers

The left sidebar shows the navigation menu with "Load Balancing" selected under "Elastic Load Balancing". The main content displays a table of load balancers:

Name	DNS name	State	VPC ID	Availability Zones	Type
You do not have any load balancers in this region.					

Screenshot 3: Auto Scaling Groups

The left sidebar shows the navigation menu with "Auto Scaling" selected under "Auto Scaling". The main content displays a table of auto scaling groups:

Auto Scaling Groups					
Select a load balancer					

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](#) > 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

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 (i)	<input type="text" value="LetsUpgradeelb"/>
Scheme (i)	<input checked="" type="radio"/> internet-facing <input type="radio"/> internal
IP address type (i)	<input type="text" value="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
<input type="text" value="HTTP"/>	<input type="text" value="80"/>

Cancel **Next: Configure Security Settings**

The screenshot shows the AWS Management Console with the URL <https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#V2CreateELBWizard?type=application>. The page title is "Create Load Balancer | EC2 Manager". The top navigation bar includes "Services", "Resource Groups", and user information for "Revathi J". Below the navigation is a progress bar with step 1 completed (100%). The main content area is titled "Step 2: Configure Load Balancer Availability Zones". It instructs users to specify Availability Zones to enable traffic routing. A table lists two selected zones: "us-east-2a" (subnet-a2b67cc9) and "us-east-2b" (subnet-f23d3d88), both assigned by AWS. An unchecked option for "us-east-2c" (subnet-11fc945d) is also shown.

VPC	IPV4 address
vpc-0b1cbf60 (172.31.0.0/16) (default)	Assigned by AWS
Availability Zones	IPv4 address
<input checked="" type="checkbox"/> us-east-2a	subnet-a2b67cc9
<input checked="" type="checkbox"/> us-east-2b	subnet-f23d3d88
<input type="checkbox"/> us-east-2c	subnet-11fc945d

The screenshot shows the AWS Lambda console with the 'Create Function' wizard open. The 'Environment variables' section is displayed, listing the variable 'AWS_LAMBDA_FUNCTION_NAME' with the value 'HelloWorldFunction'. The 'Next Step' button is visible at the bottom right of the wizard.

Cancel Previous Next: Configure Security Groups

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09:07 PM
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23-08-2020

Create Load Balancer | EC2 Manager

Services Resource Groups

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

Step 100: 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: load-balancer-wizard-1

Description: load-balancer-wizard-1 created on 2020-08-23T21:07:56.471+05:30

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

Add Rule

Cancel Previous Next: Configure Routing

Create Load Balancer | EC2 Manager

Services Resource Groups

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

Step 100: Configure Routing

Your load balancer routes requests to the targets in this target group using the protocol and port that you specify, and performs health checks on the targets using these health check settings. Note that each target group can be associated with only one load balancer.

Target group

Target group: New target group

Name: newtarget

Target type: Instance IP Lambda function

Protocol: HTTP

Port: 80

Health checks

Protocol: HTTP

Cancel Previous Next: Register Targets

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

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

Step 100 Register Targets

Instance	Name	Port	State	Security groups	Zone
No instances available.					

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-07c69e45478feffb	linux2	running	launch-wizard-4	us-east-2b	subnet-f23d3d88	172.31.16.0/20
i-0ea92868c686818b9	linux1	running	launch-wizard-4	us-east-2b	subnet-f23d3d88	172.31.16.0/20

Cancel Previous Next: Review

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

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

Step 100 Register Targets

Instance	Name	Port	State	Security groups	Zone
i-07c69e45478feffb	linux2	80	running	launch-wizard-4	us-east-2b
i-0ea92868c686818b9	linux1	80	running	launch-wizard-4	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 80

Search Instances

Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
i-07c69e45478feffb	linux2	running	launch-wizard-4	us-east-2b	subnet-f23d3d88	172.31.16.0/20
i-0ea92868c686818b9	linux1	running	launch-wizard-4	us-east-2b	subnet-f23d3d88	172.31.16.0/20

Cancel Previous Next: Review

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

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

Step 100 Register Targets

Instance	Name	Port	State	Security groups	Zone
i-07c69e45478feffb	linux2	80	running	launch-wizard-4	us-east-2b
i-0ea92868c686818b9	linux1	80	running	launch-wizard-4	us-east-2b

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-0b1cbf60
- Subnets:** subnet-a2b67cc9, subnet-f23d3d88
- Tags:**

Security groups

- Security groups:** load-balancer-wizard-1

Routing

- Target group:** New target group
- Target group name:** newtarget
- Port:** 80

Create

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Create Load Balancer EC2 Manager

Services Resource Groups

Revathi J Ohio Support

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

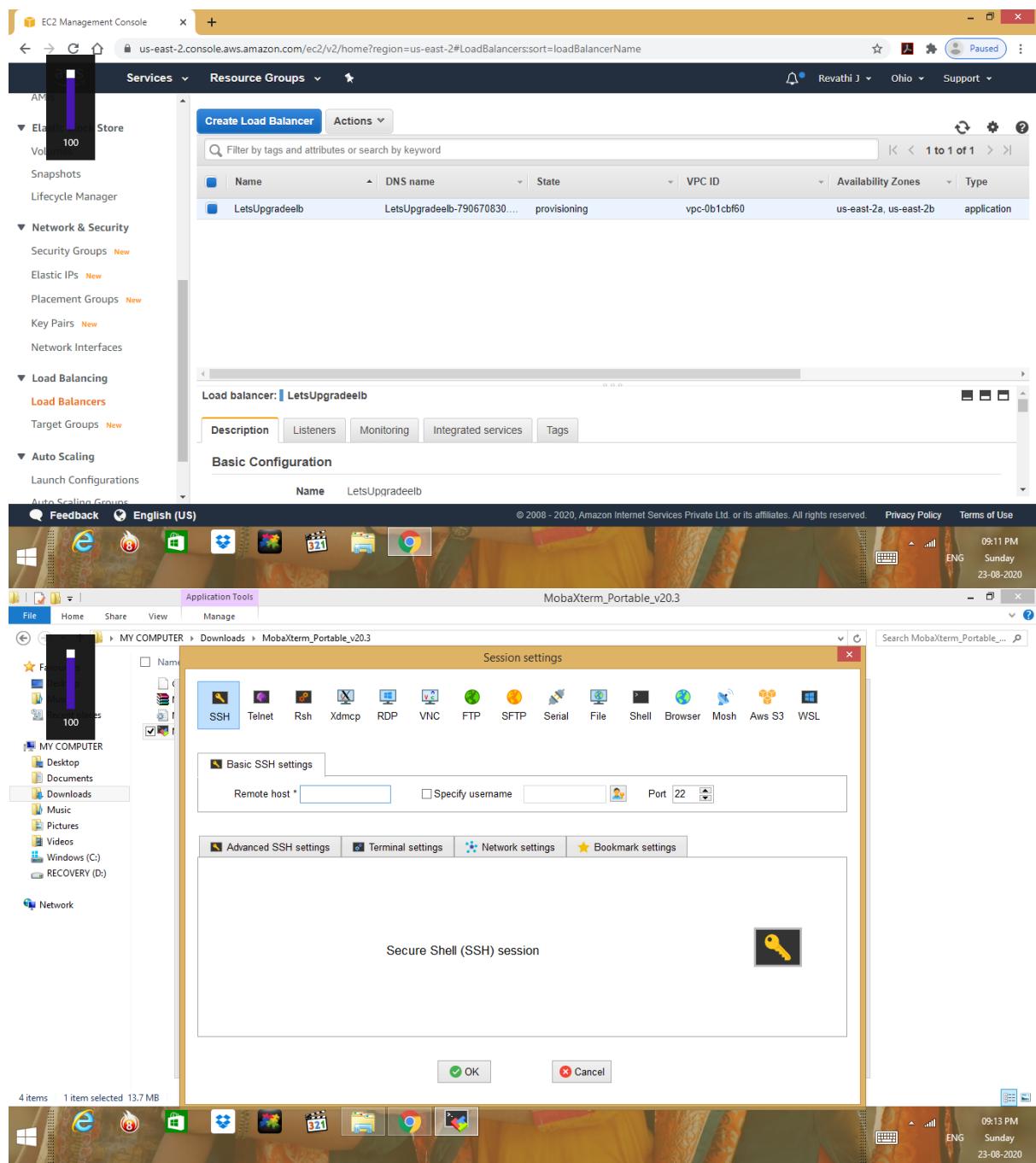
- Discover other services that you can integrate with your load balancer. Visit the **Integrated services** tab within LetsUpgradeelb
- Consider using AWS Global Accelerator to further improve the availability and performance of your applications. [AWS Global Accelerator console](#)

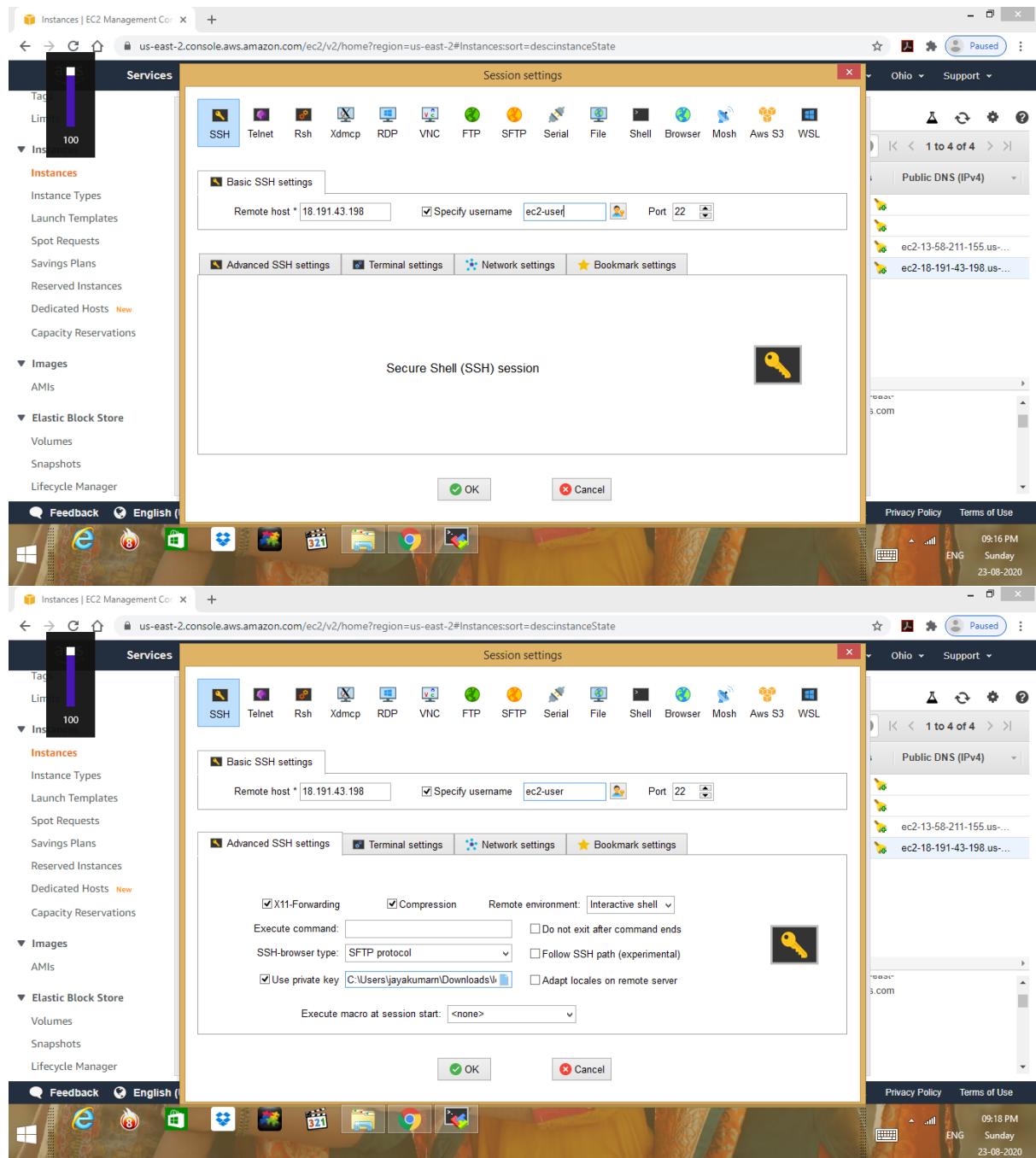
Close

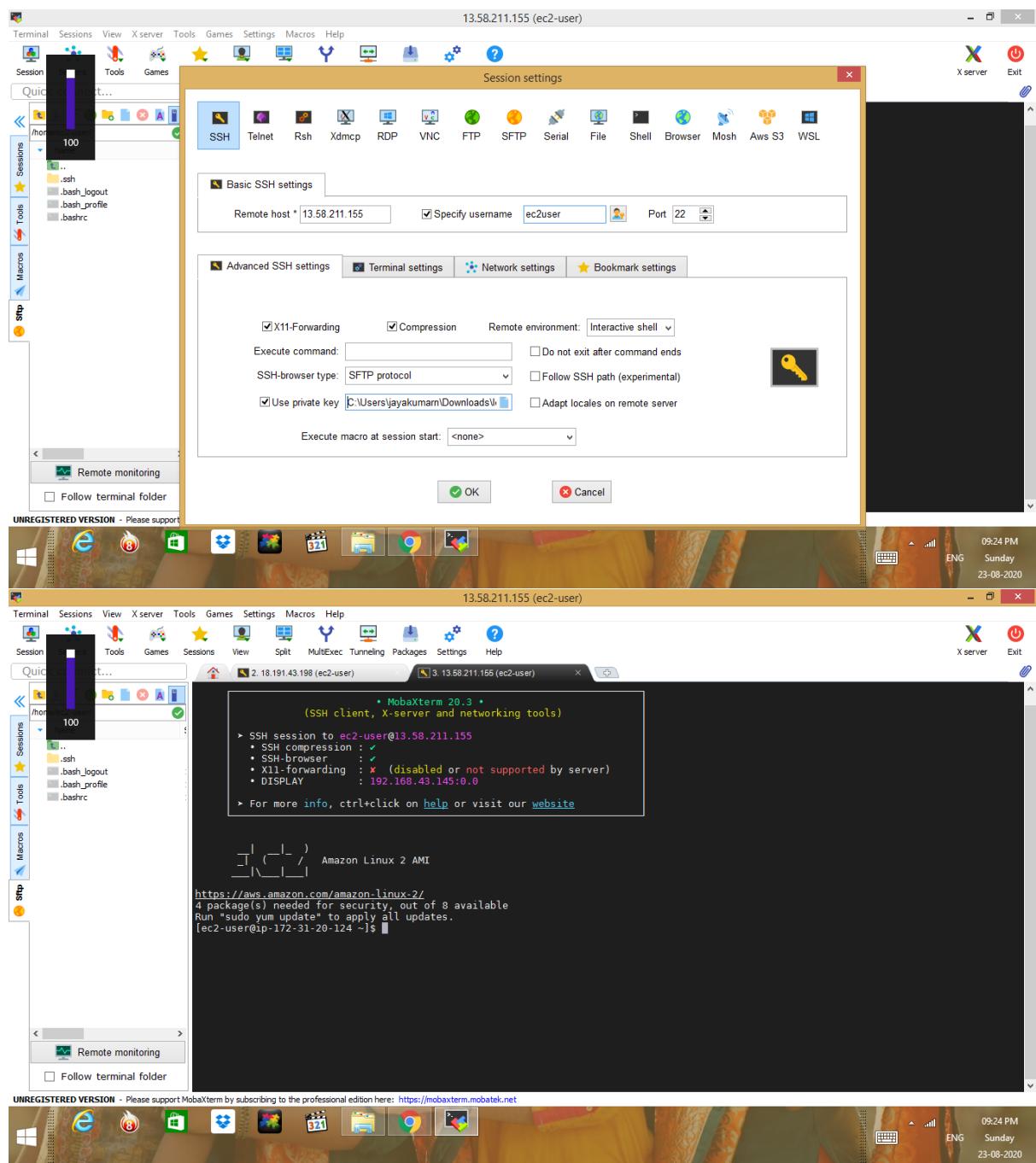
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09:11 PM ENG Sunday 23-08-2020







13.58.211.155 (ec2-user)

Run "sudo yum update" to apply all updates.

```
[ec2-user@ip-172-31-20-124 ~]$ sudo su
[ec2-user@ip-172-31-20-124 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: libaprutil-1.so.0() (64bit) for package: httpd-2.4.43-1.amzn2.x86_64
--> Processing Dependency: libapr-1.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 0:1.6.3-5.amzn2.0.2 will be installed
--> Package 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-htpd.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
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				

13.58.211.155 (ec2-user)

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

11:23 AM ENG Monday 24-08-2020

13.58.211.155 (ec2-user)

Run "sudo yum update" to apply all updates.

```
[ec2-user@ip-172-31-20-124 ~]$ sudo su
[ec2-user@ip-172-31-20-124 ec2-user]# yum install httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> 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 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Package generic-logos-htpd.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
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
httpd	x86_64	2.4.43-1.amzn2	amzn2-core	1.3 M
Installing for dependencies:				
apr	x86_64	1.6.3-5.amzn2.0.2	amzn2-core	118 k
apr-util	x86_64	1.6.1-5.amzn2.0.2	amzn2-core	19 k
apr-util-bdb	x86_64	1.6.1-5.amzn2.0.2	amzn2-core	19 k
generic-logos-htpd	noarch	18.0.0-4.amzn2	amzn2-core	19 k
httpd-filesystem	noarch	2.4.43-1.amzn2	amzn2-core	23 k
httpd-tools	x86_64	2.4.43-1.amzn2	amzn2-core	87 k
mailcap	noarch	2.1.41-2.amzn2	amzn2-core	31 k
mod_http2	x86_64	1.15.3-2.amzn2	amzn2-core	246 k

Transaction Summary

```
Install 1 Package (+8 Dependent packages)

Total download size: 1.8 M
Installed size: 5.1 M
Is this ok [y/d/N]: ^[[A^[[A^[[A^[[B^[[B
```

13.58.211.155 (ec2-user)

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11:24 AM ENG Monday 24-08-2020

13.58.211.155 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quic... 3. 18.191.43.198 (ec2-user) 4. 13.58.211.155 (ec2-user) Xserver Exit
Sessions Macros Ssh

Installed size: 5.1 M
Is this ok [y/N]: [[A^[[A^[[A^[[B^[[B
Is this ok [y/N]: y
Downloading packages:
(1/9): apr-util-1.6.1-5.amzn2.0.2.x86_64.rpm 99 kB 00:00:00
(2/9): apr-1.6.3-5.amzn2.0.2.x86_64.rpm 118 kB 00:00:00
(3/9): apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64.rpm 19 kB 00:00:00
(4/9): generic-logos-httdp-18.0.0-4.amzn2.noarch.rpm 19 kB 00:00:00
(5/9): httpd-filesystem-2.4.43-1.amzn2.noarch.rpm 23 kB 00:00:00
(6/9): httpd-tools-2.4.43-1.amzn2.x86_64.rpm 1.3 MB 00:00:00
(7/9): httpd-tools-2.4.43-1.amzn2.x86_64.rpm 87 kB 00:00:00
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm 31 kB 00:00:00
(9/9): mod_http2-1.15.3-2.amzn2.x86_64.rpm 146 kB 00:00:00

Total: 6.0 MB/s | 1.8 MB 00:00:00
1/9
2/9
3/9
4/9
5/9
6/9
7/9
8/9
9/9
10/9
11/9
12/9
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98/9
99/9
100/9

Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-util-1.6.3-5.amzn2.0.2.x86_64 1/9
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
  Installing : httpd-tools-2.4.43-1.amzn2.x86_64 3/9
  Installing : generic-logos-httdp-18.0.0-4.amzn2.noarch 4/9
  Installing : mailcap-2.1.41-2.amzn2.noarch 5/9
  Installing : httpd-filesystem-2.4.43-1.amzn2.noarch 6/9
  Installing : mod_http2-1.15.3-2.amzn2.x86_64 7/9
  Installing : httpd-tools-2.4.43-1.amzn2.x86_64 8/9
  Verifying : apr-util-1.6.3-5.amzn2.0.2.x86_64 9/9
  Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 10/9
  Verifying : httpd-tools-2.4.43-1.amzn2.x86_64 11/9
  Verifying : generic-logos-httdp-18.0.0-4.amzn2.noarch 12/9
  Verifying : mailcap-2.1.41-2.amzn2.noarch 13/9
  Verifying : httpd-filesystem-2.4.43-1.amzn2.noarch 14/9
  Verifying : mod_http2-1.15.3-2.amzn2.x86_64 15/9
  Verifying : httpd-tools-2.4.43-1.amzn2.x86_64 16/9
  Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 17/9
  Verifying : mailcap-2.1.41-2.amzn2.noarch 18/9

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```

13.58.211.155 (ec2-user)

```

Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quic... 3. 18.191.43.198 (ec2-user) 4. 13.58.211.155 (ec2-user) Xserver Exit
Sessions Macros Ssh

Dependency Installed:
apr.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

Complete!
[root@ip-172-31-20-124 ec2-user]# cd /var/www/html
bash: cd: /var/www/html: No such file or directory
[root@ip-172-31-20-124 ec2-user]# cd /var/www/html
[root@ip-172-31-20-124 html]# pwd
/var/www/html
[root@ip-172-31-20-124 html]# vi index.html

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```

13.58.211.155 (ec2-user)

13.58.211.155 (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">Forgot <a href="#">password?</a></span>
</div>
</form>
```

-- INSERT --

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13.58.211.155 (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">Forgot <a href="#">password?</a></span>
</div>
</form>
```

:wq!

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```

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-httplib.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

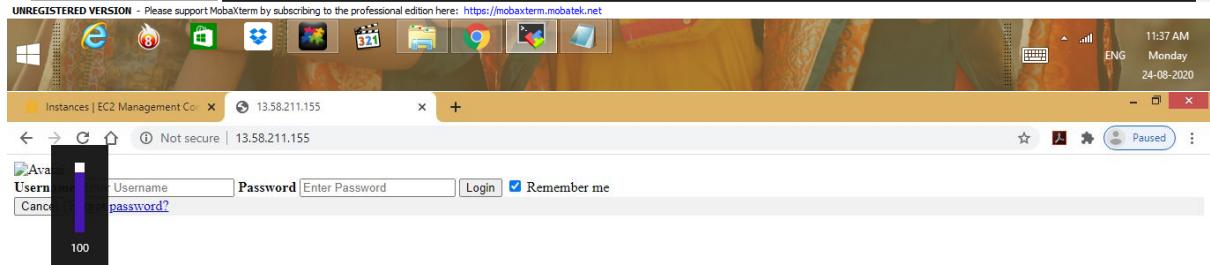
```

```

Complete!
[root@ip-172-31-20-124 ec2-user]# cd /var/www/html
bash: cd /var/www/html: No such file or directory
[root@ip-172-31-20-124 ec2-user]# cd /var/www/html
[root@ip-172-31-20-124 html]# pwd
/var/www/html
[root@ip-172-31-20-124 html]# vi index.html
[root@ip-172-31-20-124 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname">Username:</label>
<input type="text" placeholder="Enter Username" name="uname" required>
<label for="psw">Password:</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-172-31-20-124 html]#

```



18.191.43.198 (ec2-user)

Session Sessions View Xserver Tools Games Settings Macros Help

Session Quick Start... Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

4. 13.68.211.165 (ec2-user) 5. 18.191.43.198 (ec2-user)

```
--> 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-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
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:	x86_64	2.4.43-1.amzn2	amzn2-core	1.3 M
Installing for dependencies:	x86_64	1.6.1-5.amzn2.0.2	amzn2-core	110 k
apr	x86_64	1.6.1-5.amzn2.0.2	amzn2-core	99 k
apr-util	x86_64	1.6.1-5.amzn2.0.2	amzn2-core	19 k
apr-util-bdb	x86_64	18.0.0-4.amzn2	amzn2-core	19 k
generic-logos.httpd	noarch	2.4.43-1.amzn2	amzn2-core	23 k
httpd-filesystem	noarch	2.4.43-1.amzn2	amzn2-core	87 k
httpd-tools	x86_64	2.4.43-1.amzn2	amzn2-core	31 k
mailcap	noarch	2.1.41-2.amzn2	amzn2-core	146 k
mod_http2	x86_64	1.15.3-2.amzn2		

Transaction Summary

```
Install 1 Package (+8 Dependent packages)

Total download size: 1.8 M
Installed size: 5.1 M
Is this ok [y/d/N]:
```

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18.191.43.198 (ec2-user)

Session Sessions View Xserver Tools Games Settings Macros Help

Session Quick Start... Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

4. 13.68.211.165 (ec2-user) 5. 18.191.43.198 (ec2-user)

```
Total
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.httpd-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-1.6.1-5.amzn2.0.2.x86_64
  Verifying : httpd-tools-2.4.43-1.amzn2.x86_64
  Verifying : generic-logos.httpd-18.0.0-4.amzn2.noarch
  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.httpd-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.httpd.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-172-31-25-130 ec2-user]#

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18.191.43.198 (ec2-user)

Session Sessions View Xserver Tools Games Settings Macros Help

Session Quick Start... Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

4. 13.68.211.165 (ec2-user) 5. 18.191.43.198 (ec2-user)

18.191.43.198 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Running transaction test
Running transaction test succeeded

```

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-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-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 generic-logos-httd.noarch 0:18.0.0-4.amzn2 mailcap.noarch 0:2.1.41-2.amzn2

apr-util.x86_64 0:1.6.1-5.amzn2.0.2 httpd-filesystem.noarch 0:2.4.43-1.amzn2 mod_http2.x86_64 0:1.15.3-2.amzn2

Complete!

```

[root@ip-172-31-25-130 ec2-user]# cd /var/www/html
[root@ip-172-31-25-130 html]# pwd
/var/www/html
[root@ip-172-31-25-130 html]#

```

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18.191.43.198 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Running transaction test
Running transaction test succeeded

```

<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>

```

-- INSERT --

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18.191.43.198 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Transaction test succeeded

```
Running transaction
  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 httpd-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-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 httpd-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 generic-logos httpd.noarch 0:18.0.0-4.amzn2 mailcap.noarch 0:2.1.41-2.amzn2
```

Complete!

```
[root@ip-172-31-25-130 ec2-user]# cd /var/www/html
[root@ip-172-31-25-130 html]# pwd
/var/www/html
[root@ip-172-31-25-130 html]# vi index.html
[root@ip-172-31-25-130 html]#
```

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18.191.43.198 (ec2-user)

Terminal Sessions View Xserver Tools Games Settings Macros Help

Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Installed:

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

Dependency Installed:

```
apr.x86_64 0:1.6.3-5.amzn2.0.2 generic-logos httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.43-1.amzn2 mod_http2.x86_64 0:1.15.3-2.amzn2
```

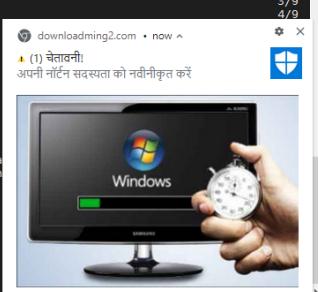
Complete!

```
[root@ip-172-31-25-130 ec2-user]# cd /var/www/html
[root@ip-172-31-25-130 html]# pwd
/var/www/html
[root@ip-172-31-25-130 html]# vi index.html
[root@ip-172-31-25-130 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

</div>
<div class="container">
<label for="uname"><b>User Id:</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>
```

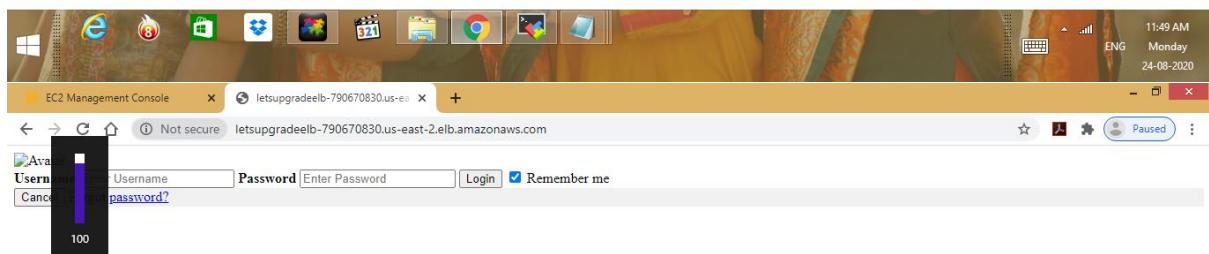
[root@ip-172-31-25-130 html]#

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NAME:REVATHI J



NAME:REVATHI J

