

# PROJECT - 1

Create a application Load balancer

ss1:instances list

ss2:select a instance and display instance details of server1

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, Elastic Block Store, and Network & Security. The main content area displays a list of EC2 instances under the heading 'Instances (1/2) Info'. The list includes columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm Status, Availability zone, Public IPv4 DNS, Public IPv4 address, and Elastic Ip. Two instances are listed: Web-Server1 and Web-Server2. Web-Server1 is selected, and its details are shown in the 'Instance summary' section. The details include Instance ID, Instance state (Running), Instance type (t2.micro), IAM Role, Platform (Amazon Linux), and various network and security settings.

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS	Public IPv4 address	Elastic Ip
Web-Server1	i-0b9889a573b2fce76	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c	ec2-3-20-234-56.us-east-2.compute.amazonaws.com	3.20.234.56	-
Web-Server2	i-06f4e3fff626b08f9	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c	ec2-52-14-79-71.us-east-2.compute.amazonaws.com	52.14.79.71	-

**Instance summary Info**

Instance ID: i-0b9889a573b2fce76 (Web-Server1)

Instance state: Running

Instance type: t2.micro

IAM Role: -

Platform: Amazon Linux (Inferred)

Platform details: Linux/UNIX

Launch time: -

Public IPv4 address: 3.20.234.56 | open address

Public IPv4 DNS: ec2-3-20-234-56.us-east-2.compute.amazonaws.com | open address

Elastic IP addresses: -

Subnet ID: subnet-aea0c8e2

Private IPv4 addresses: 172.31.39.137

Private IPv4 DNS: ip-172-31-39-137.us-east-2.compute.internal

VPC ID: vpc-7844e713

Monitoring disabled

Termination protection Disabled

Lifecycle: -

ss3:select a instance and display instance details of server2

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, Elastic Block Store, and Network & Security. The main content area displays a list of EC2 instances under the heading 'Instances (1/2) Info'. The list includes columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm Status, Availability zone, Public IPv4 DNS, Public IPv4 address, and Elastic Ip. Two instances are listed: Web-Server1 and Web-Server2. Web-Server2 is selected, and its details are shown in the 'Instance summary' section. The details include Instance ID, Instance state (Running), Instance type (t2.micro), IAM Role, Platform (Amazon Linux), and various network and security settings.

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone	Public IPv4 DNS	Public IPv4 address	Elastic Ip
Web-Server1	i-0b9889a573b2fce76	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c	ec2-3-20-234-56.us-east-2.compute.amazonaws.com	3.20.234.56	-
Web-Server2	i-06f4e3fff626b08f9	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c	ec2-52-14-79-71.us-east-2.compute.amazonaws.com	52.14.79.71	-

**Instance summary Info**

Instance ID: i-06f4e3fff626b08f9 (Web-Server2)

Instance state: Running

Instance type: t2.micro

IAM Role: -

Platform: Amazon Linux (Inferred)

Platform details: Linux/UNIX

Launch time: -

Public IPv4 address: 52.14.79.71 | open address

Public IPv4 DNS: ec2-52-14-79-71.us-east-2.compute.amazonaws.com | open address

Elastic IP addresses: -

Subnet ID: subnet-aea0c8e2

Private IPv4 addresses: 172.31.46.32

Private IPv4 DNS: ip-172-31-46-32.us-east-2.compute.internal

VPC ID: vpc-7844e713

Monitoring disabled

Termination protection Disabled

Lifecycle: -

ss4:Status:Active running- black screen

SERVER1

Terminal Sessions View X server Tools Games Settings Macros Help

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

Quick connect...

User sessions

3.20.234.56 (ec2-user)

52.14.79.71 (ec2-user)

Sessions Tools Macros

2 SERVER1

3 SERVER2

Installing : apr-util-1.6.1-5.amzn2.0.2.x86\_64 3/9  
Installing : httpd-tools-2.4.46-1.amzn2.x86\_64 4/9  
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9  
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9  
Installing : httpd filesystem-2.4.46-1.amzn2.noarch 7/9  
Installing : mod\_http2-1.15.14-2.amzn2.x86\_64 8/9  
Installing : httpd-2.4.46-1.amzn2.x86\_64 9/9  
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86\_64 1/9  
Verifying : httpd filesystem-2.4.46-1.amzn2.noarch 2/9  
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86\_64 3/9  
Verifying : httpd-tools-2.4.46-1.amzn2.x86\_64 4/9  
Verifying : mod\_http2-1.15.14-2.amzn2.x86\_64 5/9  
Verifying : apr-1.6.3-5.amzn2.0.2.x86\_64 6/9  
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9  
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9  
Verifying : httpd-2.4.46-1.amzn2.x86\_64 9/9  
  
Installed:  
httpd.x86\_64 0:2.4.46-1.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 0:2.4.46-1.amzn2  
httpd-tools.x86\_64 0:2.4.46-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod\_http2.x86\_64 0:1.15.14-2.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]# service httpd start  
Redirecting to /bin/systemctl start httpd.service  
[root@ip-172-31-39-137 html]# service httpd status  
Redirecting to /bin/systemctl status httpd.service  
● httpd.service - The Apache HTTP Server  
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)  
Active: active (running) since Wed 2020-10-28 14:20:16 UTC; 5s ago  
Docs: man:httpd.service(8)  
Main PID: 3708 (httpd)  
Status: "Processing requests..."  
CGroup: /system.slice/httpd.service  
├─3708 /usr/sbin/httpd -DFOREGROUND  
├─3710 /usr/sbin/httpd -DFOREGROUND  
├─3711 /usr/sbin/httpd -DFOREGROUND  
├─3712 /usr/sbin/httpd -DFOREGROUND  
├─3713 /usr/sbin/httpd -DFOREGROUND  
└─3714 /usr/sbin/httpd -DFOREGROUND  
  
Oct 28 14:20:16 ip-172-31-39-137.us-east-2.compute.internal systemd[1]: Starting The Apache HTTP Server...  
Oct 28 14:20:16 ip-172-31-39-137.us-east-2.compute.internal systemd[1]: Started The Apache HTTP Server.  
[root@ip-172-31-39-137 html]#  
Network error: Software caused connection abort  
  
Session stopped  
- Press <return> to exit tab  
- Press R to restart session  
- Press S to save terminal output to file

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SERVER2

Terminal Sessions View X server Tools Games Settings Macros Help

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

Quick connect...

Reconnect SSH-browser

home/ec2-user

Name

..

ssh

ssh\_logout

ssh\_profile

sshrc

Sessions Tools Macros

2 SERVER1

3 SERVER2

(9/9) : mod\_http2-1.15.14-2.amzn2.x86\_64.rpm | 147 kB 00:00:00  
Total 7.4 MB/s | 1.8 MB 00:00:00  
Running transaction check  
Running transaction test  
Transaction test succeeded  
Running transaction  
Installing : apr-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 : apr-util-1.6.1-5.amzn2.0.2.x86\_64 3/9  
Installing : httpd-tools-2.4.46-1.amzn2.x86\_64 4/9  
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9  
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9  
Installing : httpd filesystem-2.4.46-1.amzn2.noarch 7/9  
Installing : mod\_http2-1.15.14-2.amzn2.x86\_64 8/9  
Installing : httpd-2.4.46-1.amzn2.x86\_64 9/9  
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86\_64 1/9  
Verifying : httpd filesystem-2.4.46-1.amzn2.noarch 2/9  
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86\_64 3/9  
Verifying : httpd-tools-2.4.46-1.amzn2.x86\_64 4/9  
Verifying : mod\_http2-1.15.14-2.amzn2.x86\_64 5/9  
Verifying : apr-1.6.3-5.amzn2.0.2.x86\_64 6/9  
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9  
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9  
Verifying : httpd-2.4.46-1.amzn2.x86\_64 9/9  
  
Installed:  
httpd.x86\_64 0:2.4.46-1.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 0:2.4.46-1.amzn2  
httpd-tools.x86\_64 0:2.4.46-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod\_http2.x86\_64 0:1.15.14-2.amzn2  
  
Complete!  
[root@ip-172-31-46-32 ec2-user]# cd /var/www/html/  
[root@ip-172-31-46-32 html]# pwd  
/var/www/html  
[root@ip-172-31-46-32 html]# vi index.html  
[root@ip-172-31-46-32 html]# service httpd start  
Redirecting to /bin/systemctl start httpd.service  
[root@ip-172-31-46-32 html]# service httpd status  
Redirecting to /bin/systemctl status httpd.service  
● httpd.service - The Apache HTTP Server  
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)  
Active: active (running) since Wed 2020-10-28 14:23:12 UTC; 4s ago  
Docs: man:httpd.service(8)  
Main PID: 3757 (httpd)  
Status: "Processing requests..."  
CGroup: /system.slice/httpd.service  
├─3757 /usr/sbin/httpd -DFOREGROUND  
├─3758 /usr/sbin/httpd -DFOREGROUND  
├─3759 /usr/sbin/httpd -DFOREGROUND  
├─3760 /usr/sbin/httpd -DFOREGROUND  
├─3761 /usr/sbin/httpd -DFOREGROUND  
└─3762 /usr/sbin/httpd -DFOREGROUND  
  
Oct 28 14:23:12 ip-172-31-46-32.us-east-2.compute.internal systemd[1]: Starting The Apache HTTP Server...  
Oct 28 14:23:12 ip-172-31-46-32.us-east-2.compute.internal systemd[1]: Started The Apache HTTP Server.  
[root@ip-172-31-46-32 html]#

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## ss5:username password page

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← → ↻ ⚠ Not secure | 3.20.234.56 ☆ ⚙ 🧑

Avatar

Username  Password  Login ☒ Remember me

[Cancel](#) [Forgot password?](#)

Windows taskbar showing search bar, taskbar icons (File Explorer, Google Chrome, Microsoft Word, etc.), and system tray (date, time, language).

## ss6:userid passkey

Avatar  
User ID  Enter Username Password  Enter Password  ☒ Remember me  
 [Forgot password?](#)

Windows taskbar showing search bar, taskbar icons (File Explorer, Google Chrome, Microsoft Word, etc.), and system tray (clock, date, language, etc.).

ss7:Load balancer screenshot

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Assignment - Google

System Audit.xlsx - Mic

EC2 Management Con

3.20.234.56

52.14.79.71

weblb-968233693.us-e

render is getting black

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

Services

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

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 Load Balancer

Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type	Created At	Monitoring
webLB	webLB-968233693.us-east-2...	active	vpc-7844e713	us-east-2a, us-east-2c, ...	application	October 28, 2020 at 7:59:51 ...	

Load balancer: webLB

Description

Listeners

Monitoring

Integrated Services

Tags

Basic Configuration

Name	webLB
ARN	arn:aws:elasticloadbalancing:us-east-2:774055385223:loadbalancer/app/webLB/8d4e556bdf39f98
DNS name	webLB-968233693.us-east-2.elb.amazonaws.com (A Record)
State	active
Type	application
Scheme	Internet-facing
IP address type	ipv4
VPC	vpc-7844e713
Availability Zones	subnet-766aa11d - us-east-2a IPv4 address: Assigned by AWS subnet-aea0c8e2 - us-east-2c IPv4 address: Assigned by AWS subnet-c26969b8 - us-east-2b IPv4 address: Assigned by AWS

Feedback

English (US)

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08:07 PM  
28-10-2020

ss8:reply from server1

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System Audit.xlsx - Mic

EC2 Management Con

3.20.234.56

52.14.79.71

weblb-968233693.us-e

render is getting black

weblb-968233693.us-east-2.elb.amazonaws.com

Avatar

Username

Enter Username

Password

Enter Password

Login

Remember me

Cancel

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Type here to search

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28-10-2020

ss9:reply from server2

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