



AWS ESSENTIALS BATCH 1

PROJECT



Amazon **ELB**



PROJECT 3
Elastic Load Balancer



Create Two Linux Instances

Instances | EC2 Management Console | LetsUpgrade | Learning Ecosystem | Batch 1 | All Details | AWS Cloud | AWS-Essentials/Day-4 Assignment

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

aws Services Resource Groups

New EC2 Experience Tell us what you think

EC2 Dashboard New

Events New

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

Images

AMIs

Elastic Block Store

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)
<input checked="" type="checkbox"/>	Linux1	i-02bac847359c1c937	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-129-243-139.us-...
<input type="checkbox"/>	Linux2	i-0f4fbc712840c2261	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-216-75-116.us-...

Instance: i-02bac847359c1c937 (Linux1) Public DNS: ec2-3-129-243-139.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-02bac847359c1c937	Public DNS (IPv4)	ec2-3-129-243-139.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	3.129.243.139
Instance type	t2.micro	IPv6 IP	-

Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Search the web and Windows

12:07 AM 24-Aug-20

Launch Both Instances Using MobaXterm

The screenshot displays the MobaXterm 20.3 application window. The top menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. Below the menu is a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help. The main window shows two active sessions in tabs: '2. 3.129.243.139 (ec2-user)' and '3. 18.216.75.116 (ec2-user)'. The left sidebar contains a 'Quick connect...' search bar, a 'Sessions' list with a tree view showing folders like 'Name', '..', '.ssh', and files like '.bash_logout', '.bash_profile', and '.bashrc'. The main terminal area shows the output of an SSH session to 'ec2-user@18.216.75.116'. The output includes MobaXterm version information, session details, and a list of SSH options: 'SSH compression : ✓', 'SSH-browser : ✓', 'X11-forwarding : ✗ (disabled or not supported by server)', and 'DISPLAY : 192.168.43.110:0.0'. Below this, it says 'For more info, ctrl+click on help or visit our website'. The terminal also shows the 'Amazon Linux 2 AMI' logo and a URL: 'https://aws.amazon.com/amazon-linux-2/'. It mentions '4 package(s) needed for security, out of 8 available' and instructs to run 'sudo yum update' to apply all updates. The prompt is '[ec2-user@ip-172-31-18-32 ~]\$'. At the bottom of the terminal window, there is a 'Remote monitoring' button and a checkbox for 'Follow terminal folder'. The bottom status bar indicates 'UNREGISTERED VERSION' and provides a link to the professional edition: 'https://mobaxterm.mobatek.net'.

18.216.75.116 (ec2-user)

Terminal Sessions View X server Tools Games Settings Macros Help

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

Quick connect...

2. 3.129.243.139 (ec2-user) 3. 18.216.75.116 (ec2-user)

• MobaXterm 20.3 •
(SSH client, X-server and networking tools)

- > SSH session to **ec2-user@18.216.75.116**
 - SSH compression : ✓
 - SSH-browser : ✓
 - X11-forwarding : ✗ (disabled or not supported by server)
 - DISPLAY : 192.168.43.110:0.0
- > For more [info](#), ctrl+click on [help](#) or visit our [website](#)

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.
[ec2-user@ip-172-31-18-32 ~]\$

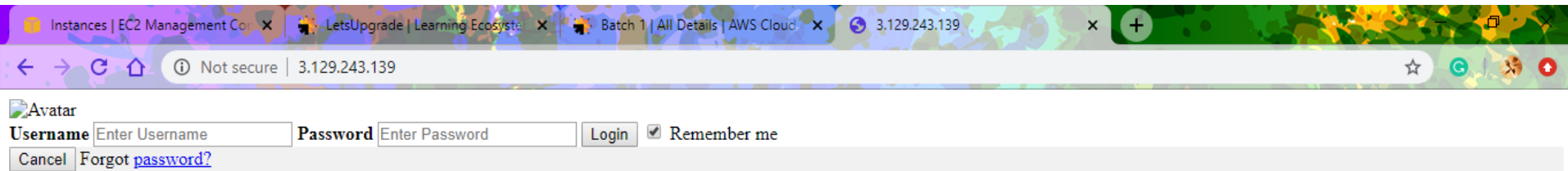
Remote monitoring

☐ Follow terminal folder

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

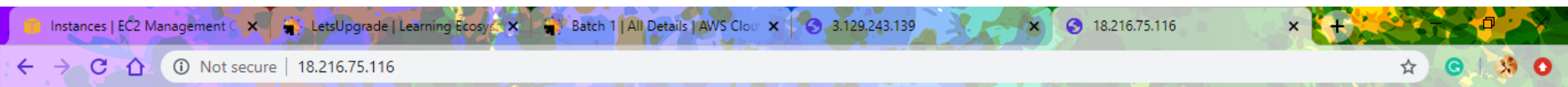
Activate Windows
Go to Settings to activate Windows.

Host HTML Login Webpage on Both Servers



The screenshot shows a web browser window with multiple tabs. The active tab is titled '3.129.243.139'. The address bar shows 'Not secure | 3.129.243.139'. The login page has a header 'Avatar' and a form with the following elements:

- Username** label followed by an input field containing 'Enter Username'.
- Password** label followed by an input field containing 'Enter Password'.
- A **Login** button.
- A checkbox labeled **Remember me** which is checked.
- A **Cancel** button.
- A link labeled **Forgot password?**.



Avatar

UserID **PassKey** ☒ Remember me

Activate Windows
Go to Settings to activate Windows.

Server 2



Create a Load Balancer

Kowsalya147/LetsUpgrade-AV x AWS Cloud Computing Essen x LetsUpgrade | Learning Ecosys x Batch 1 | All Details | AWS Clo x EC2 Management Console x

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

aws Services Resource Groups

Kowsalya Ohio Support

AMIs

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups **New**

Elastic IPs **New**

Placement Groups **New**

Key Pairs **New**

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups **New**

▼ Auto Scaling

Launch Configurations

Auto Scaling Groups

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type
<input checked="" type="checkbox"/>	linuxelb	linuxelb-1994782727.us-east...	active	vpc-3978db52	us-east-2a, us-east-2b	application

Load balancer: linuxelb

Description Listeners Monitoring Integrated services Tags

Basic Configuration

Name
linuxelb

Activate Windows
Go to Settings to activate Windows.

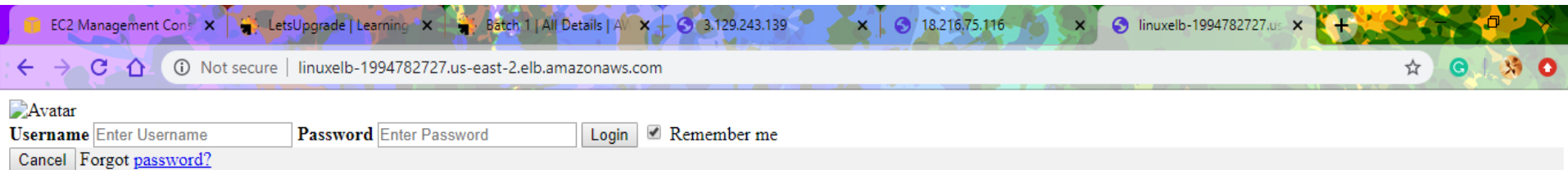
Feedback English (US)

© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Search the web and Windows

1:38 PM
24-Aug-20

Check the Functioning of ELB



The screenshot shows a web browser window with multiple tabs. The active tab is titled "linuxelb-1994782727.us-east-2.elb.amazonaws.com". The address bar shows the URL "linuxelb-1994782727.us-east-2.elb.amazonaws.com" and indicates it is "Not secure". The login form includes an "Avatar" placeholder, "Username" and "Password" labels, input fields for "Enter Username" and "Enter Password", a "Login" button, and a "Remember me" checkbox. There are also "Cancel" and "Forgot password?" links.

EC2 Management Console x LetsUpgrade | Learning x Batch 1 | All Details | All x 3.129.243.139 x 18.216.75.116 x linuxelb-1994782727.us x

Not secure | linuxelb-1994782727.us-east-2.elb.amazonaws.com

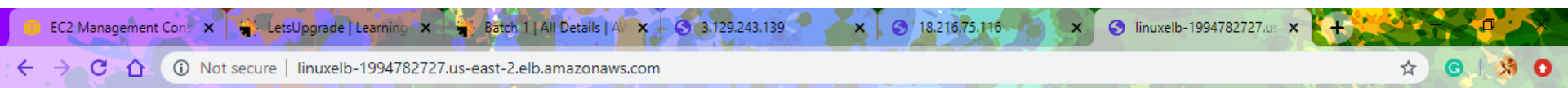
Avatar

Username Password Login ☒ Remember me

Cancel Forgot [password?](#)

Activate Windows
Go to Settings to activate Windows.

Server 1



Avatar

User ID PassKey ☒ Remember me

 **Server 2**
Activate Windows
Go to Settings to activate Windows.



Thank You