EN-US

Introduction to an Amazon Linux Amazon Machine Image (AMI)

This lab is designed to reinforce your knowledge of the basic command line interface functionality and provide a solid foundation from which you can continue to learn about new commands and capabilities within the Linux shell.

Duration

This lab requires approximately **30 minutes** to complete.

AWS service restrictions

In this lab environment, access to AWS services and service actions might be restricted to the ones that you need to complete the lab instructions. You might encounter errors if you attempt to access other services or perform actions beyond the ones that this lab describes.

Scenario

In this lab, you use Secure Shell (SSH) to access an Amazon Linux Amazon Machine Image (AMI) within Vocareum labs. Next, you

labs.vocareum.com/main/main.php?m=editor&asnid=2253296&stepid=2253297&hideNavBar=1

Details ▾   AWS   Start Lab   End Lab   0:59

EN-US

Start Lab ✕

```
Region: us-west-2
Lab ID: arn:aws:cloudformation:us-west-2:801817428149:stack/c98853a225329715199542t1w801817428149/59a21e30-7d70-11ee-a7e3-0acf375955e3
Creation Time: 2023-11-07T05:19:58-0800

Refresh session at: 2023-11-07T05:44:27-0800
Remaining session time: 01:00:00(60 minutes)

Lab status: ready
```

Scenario

In this lab, you use Secure Shell (SSH) to access an Amazon Linux Amazon Machine Image (AMI) within Vocareum labs. Next, you

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Q Search

19:16
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us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Home:

aws   Services   Search   [Alt+S]   Oregon ▼   voclabs/user2877785=GOUNDRA_AMARNATH @ 8018-1742-8149 ▼

EC2 Dashboard ✕

EC2 Global View

Events

▼ **Instances**

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations
New

▼ **Images**

AMIs

AMI Catalog

▼ **Elastic Block Store**

Volumes

Snapshots

Lifecycle Manager

Resources

EC2 Global view ⬈   ⚙   ⟳

You are using the following Amazon EC2 resources in the US West (Oregon) Region:

Instances (running) 1	Auto Scaling Groups ⊗ API Error	Dedicated Hosts 0
Elastic IPs 1	Instances 1	Key pairs 1
Load balancers ⊗ API Error	Placement groups 0	Security groups 3
Snapshots 0	Volumes 1	

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance ▼

Migrate a server ⬈

Note: Your instances will launch in the US West (Oregon) Region

Scheduled events

Service health

AWS Health Dashboard ⬈   ⟳

Region
US West (Oregon)

Zones

Zone name	Zone ID
us-west-2a	usw2-az2

Account attributes ⟳

Default VPC ⬈
vpc-002bfa3f1a2656142

Settings

Data protection and security

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS ✕

Get Up to 40% Better Price Performance

T4g instances deliver the best price performance for burstable general purpose workloads in Amazon EC2.

Learn more ⬈

10 Things You Can Do Today to Reduce AWS Costs

Explore how to effectively manage your AWS costs without compromising on performance or capacity.

Learn more ⬈

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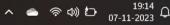Details   AWS   Start Lab   End Lab   0:50

Details

AWS: Show

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EN-US

Details ▾   AWS   Start Lab   End Lab   0:50

Credentials

Cloud Access

AWS CLI: [Show]

Cloud Labs
```
   Remaining session time: 00:49:17(50 minutes)
   Session started at: 2023-11-07T05:19:59-0800
   Session to end   at: 2023-11-07T06:44:27-0800

   Accumulated lab time: 01:35:00 (95 minutes)

   ips -- public:54.218.142.172, private:10.0.10.80
```

SSH key   [Show] [Download PEM]   [Download PPK]

AWS SSO   [Download URL]

LabRegion	us-west-2
PublicIP	54.218.142.172

Scenario

In this lab, you use Secure Shell (SSH) to access an Amazon Linux Amazon Machine Image (AMI) within Vocareum labs. Next, you

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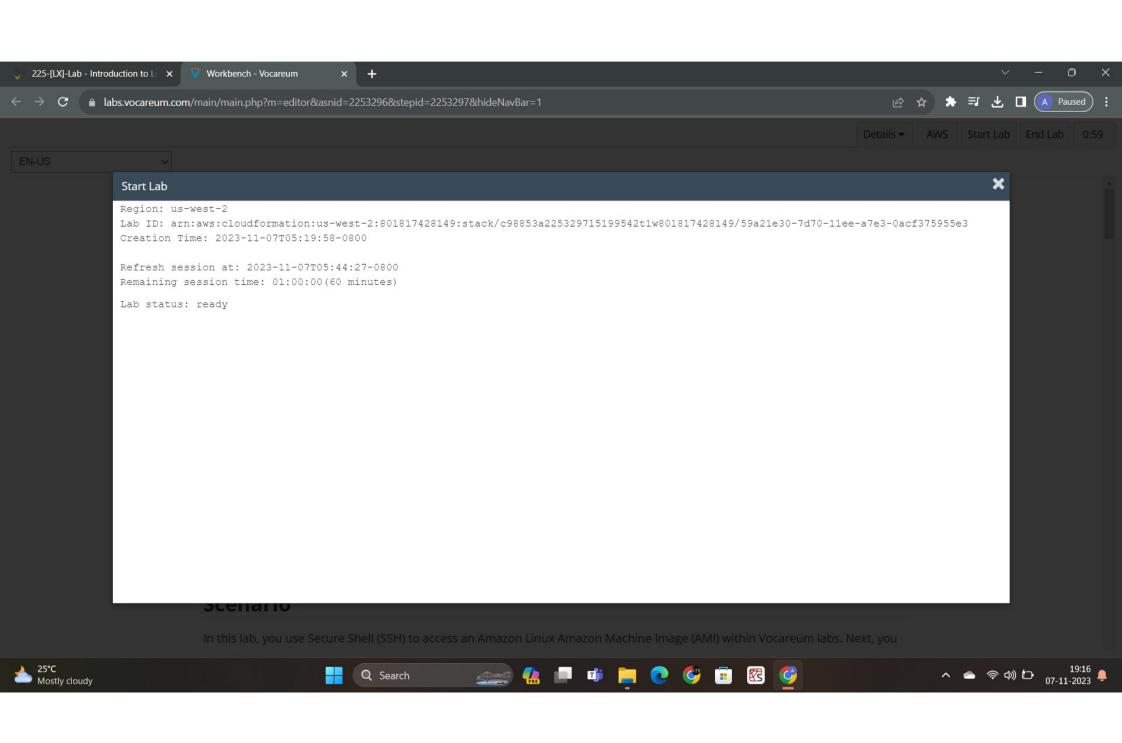
Q Search

19:25
07-11-2023

labs.vocareum.com/main/main.php?m=editor&asnid=2253296&stepid=2253297&hideNavBar=1

EN-US

End Lab   0:48

Recent download history   ✕

labsuser (1).ppk
1,438 B • 36 minutes ago

labsuser (1).pem
1,678 B • 36 minutes ago

labsuser.ppk
1,438 B • 7 hours ago

putty-arm64-0.79-installer.msi
3.0 MB • 7 hours ago

putty-64bit-0.79-installer.msi
3.5 MB • 7 hours ago

labsuser.pem
1,674 B • 8 hours ago

Full download history

Credentials

Cloud Access

```
AWS CLI:      Show
```

Cloud Labs

```
   Remaining session time: 00:49:17(50 minutes)
   Session started at: 2023-11-07T05:19:59-0800
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```
SSH key    Show    Download PEM    Download PPK

AWS SSO    Download URL
```

LabRegion	us-west-2
PublicIP	54.218.142.172

Scenario

In this lab, you use Secure Shell (SSH) to access an Amazon Linux Amazon Machine Image (AMI) within Vocareum labs. Next, you

aws   Services   Q Search   [Alt+S]   Oregon ▼   voclabs/user2877785=GOUNDRA_AMARNATH @ 8018-1742-8149 ▼

EC2 > Instances > i-0b01d90c4950b07eb > Connect to instance

Connect to instance Info

Connect to your instance i-0b01d90c4950b07eb (Command Host) using any of these options

EC2 Instance Connect	Session Manager	SSH client	EC2 serial console

Instance ID

 i-0b01d90c4950b07eb (Command Host)

1. Open an SSH client.

2. Locate your private key file. The key used to launch this instance is vockey.pem

3. Run this command, if necessary, to ensure your key is not publicly viewable.

    chmod 400 vockey.pem

4. Connect to your instance using its Public DNS:

    ec2-54-218-142-172.us-west-2.compute.amazonaws.com

✓ Command copied

 ssh -i "vockey.pem" ec2-user@ec2-54-218-142-172.us-west-2.compute.amazonaws.com

Copy example command to clipboard

ⓘ **Note:** In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel

cmd

cmd

New

Search Downloads

Preview

Name	Date modified	Type	Size
Today			
labsuser.pem	07-11-2023 18:51	PEM File	2 KB
labsuser	07-11-2023 18:51	PuTTY Private Key ...	2 KB
putty-64bit-0.79-installer	07-11-2023 12:01	Windows Installer ...	3,622 KB
Last week			
EAadhaar_00000043186451202310080SD...	05-11-2023 18:20	Chrome HTML Do...	877 KB
IMG_20231102_090708_1 (1)	05-11-2023 13:50	JPG File	226 KB
IMG_20231105_134602_444	05-11-2023 13:49	JPG File	28 KB
Myweb.pem	04-11-2023 10:52	PEM File	2 KB
Website (4).pem	04-11-2023 08:49	PEM File	2 KB
Websites.pem	03-11-2023 23:35	PEM File	2 KB
Website (3).pem	03-11-2023 23:23	PEM File	2 KB
p2	03-11-2023 18:32	C File	2 KB
c+program+Amarnath	03-11-2023 18:32	Microsoft Word 97...	44 KB
Website (2).pem	01-11-2023 22:56	PEM File	2 KB
Website (1).pem	01-11-2023 11:21	PEM File	2 KB
WebServer.pem	31-10-2023 11:52	PEM File	2 KB
Website	31-10-2023 10:22	Remote Desktop C...	1 KB
Website.pem	31-10-2023 10:17	PEM File	2 KB

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Select a file to preview.

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Name

Today
- labsuser.pem
- labsuser
- putty-64bit-0.79-installer

Last week
- EAadhaar_0000004318645120233
- IMG_20231102_090708_1 (1)
- IMG_20231105_134602_444
- Myweb.pem
- Website (4).pem
- Websites.pem
- Website (3).pem
- p2
- c+program+Amarnath
- Website (2).pem
- Website (1).pem
- WebServer.pem
- Website
- Website.pem

74 items

```
C:\Windows\System32\cmd.e

Microsoft Windows [Version 10.0.25982.1000]
(c) Microsoft Corporation. All rights reserved.

C:\Users\gound\Downloads>ssh -i "labsuser.pem" ec2-user@ec2-54-218-142-172.us-west-2.compute.amazonaws.com
```

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Mostly cloudy

Search

19:44
07-11-2023

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Network

74 items

Name

Today
- labsuser.pem
- labsuser
- putty-64bit-0.79-installer

Last week
- EAadhaar_00000043186451202
- IMG_20231102_090708_1 (1)
- IMG_20231105_134602_444
- Myweb.pem
- Website (4).pem
- Websites.pem
- Website (3).pem
- p2
- c+program+Amarnath
- Website (2).pem
- Website (1).pem
- WebServer.pem
- Website
- Website.pem

ec2-user@ip-10-0-10-80:~

```
Microsoft Windows [Version 10.0.25982.1000]
(c) Microsoft Corporation. All rights reserved.

C:\Users\gound\Downloads>ssh -i "labsuser.pem" ec2-user@ec2-54-218-142-172.us-west-2.compute.amazonaws.com
Last login: Tue Nov  7 13:41:40 2023 from 49.205.254.192
      _____
     '        #_
   ~\_   ####_             Amazon Linux 2
  ~~    \_#####\
  ~~        \###|          AL2 End of Life is 2025-06-30.
  ~~         \#/ ___
   ~~        V~' '->
    ~~~          /         A newer version of Amazon Linux is available!
      ~~._.   _/
         _/ _/             Amazon Linux 2023, GA and supported until 2028-03-15.
       _/m/'                   https://aws.amazon.com/linux/amazon-linux-2023/


[ec2-user@ip-10-0-10-80 ~]$ ls
2  file  file1  file12
[ec2-user@ip-10-0-10-80 ~]$ touch files23
[ec2-user@ip-10-0-10-80 ~]$ ls
2  file  file1  file12  files23
[ec2-user@ip-10-0-10-80 ~]$ i config
-bash: i: command not found
[ec2-user@ip-10-0-10-80 ~]$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 9001
        inet 10.0.10.80  netmask 255.255.255.0  broadcast 10.0.10.255
        inet6 fe80::4ab:58ff:fe4b:2551  prefixlen 64  scopeid 0x20<link>
        ether 06:ab:58:4b:25:51  txqueuelen 1000  (Ethernet)
        RX packets 61968  bytes 78409782 (74.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
```

26°C
Mostly cloudy

Search

19:48
07-11-2023