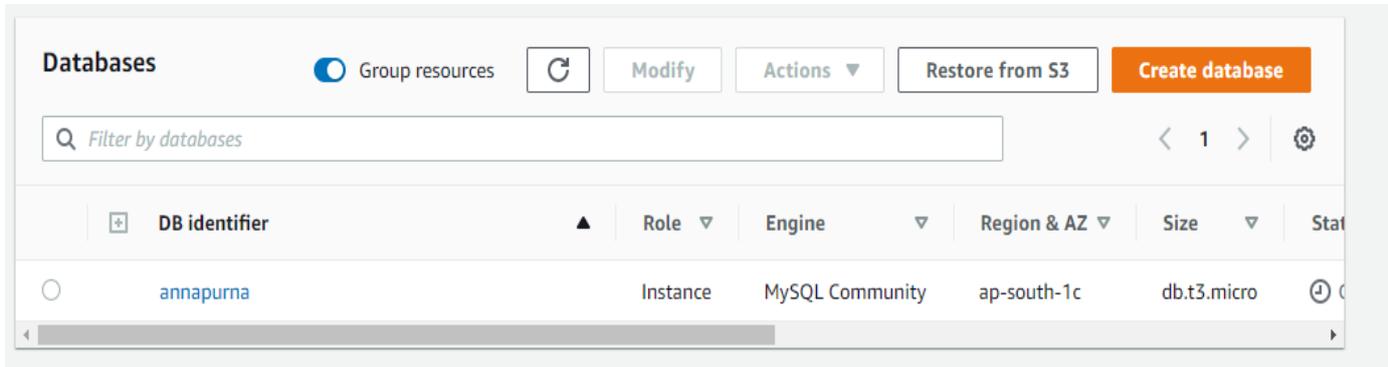
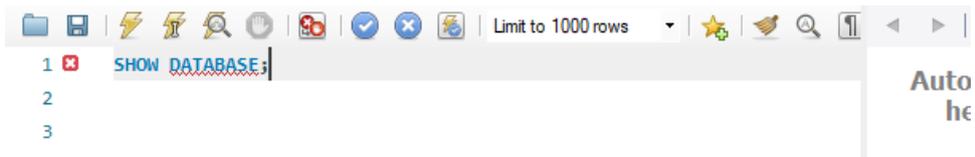


Creation of RDS



MySQL connection.

MySQL Connections



#	Time	Action	Message
1		SHOW DATABASES;	
2	10:47:21	CREATE TABLES	Error Code: 1064. You ha
3	10:48:00	SHOW DATABASES	Error Code: 1064. You ha
4	10:49:09	CREATE DATABASE College	1 row(s) affected
5	10:50:00	SHOW DATABASES	Error Code: 1064. You ha
6	10:50:14	SHOW DATABASES	Error Code: 1064. You ha

VPC & VPC PEERING CONNECTION

*CREATION OF VPC

Your VPCs (1/2) [Info](#) Refresh Actions Create VPC

Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input checked="" type="checkbox"/> AnnapurnaVPC-A	vpc-0ebcb5b14679018b4	Available	10.100.0.0/16	-
<input type="checkbox"/> -	vpc-0bd2ca2826f264858	Available	172.31.0.0/16	-

*CREATION OF SUBNETS

Subnets (1/2) [Info](#) Refresh Actions Create subnet

Filter subnets

Name	Subnet ID	State	VPC	IPv4 CIDR
<input checked="" type="checkbox"/> Annapurna PVT-SN1	subnet-0b9dc1c0416cb2182	Available	vpc-0ebcb5b14679018b4 An...	10.100.1.0/24
<input type="checkbox"/> Annapurna PUB-SN1	subnet-0093bd207efe8c35b	Available	vpc-0ebcb5b14679018b4 An...	10.100.0.0/24

*CREATION OF ROUTE TABLE

Route tables (4) [Info](#) Refresh Actions Create route table

Filter route tables

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
<input type="checkbox"/> -	rtb-0c70a0f532bb5ea33	-	-	Yes	vpc-0ebcb5b14679...
<input type="checkbox"/> Annapurna PVT RO...	rtb-068c09fcb0dfb1a8c	-	-	No	vpc-0ebcb5b14679...
<input type="checkbox"/> -	rtb-037be709ea23fefca	-	-	Yes	vpc-0bd2ca2826f26...
<input type="checkbox"/> Annapurna PUB RO...	rtb-0bed06439c53feb2d	-	-	No	vpc-0ebcb5b14679...

*ASSOCIATION OF SUBNETS

Subnet (subnet-0b9dc1c0416cb2182) has been successfully associated with route table (rtb-068c09fcb0dfb1a8c).

Subnets (1/2) Info

Filter subnets

Name	Subnet ID	State	VPC	IPv4 CIDR
<input checked="" type="checkbox"/> Annapurna PVT-SN1	subnet-0b9dc1c0416cb2182	Available	vpc-0ebcb5b14679018b4 An...	10.100.1.0/24
<input type="checkbox"/> Annapurna PUB-SN1	subnet-0093bd207efe8c35b	Available	vpc-0ebcb5b14679018b4 An...	10.100.0.0/24

*CREATION OF INTERNET GATEWAY

Internet gateways (2) Info

Filter internet gateways

Name	Internet gateway ID	State	VPC ID	Owner
<input type="checkbox"/> -	igw-03328d12e16d1c9c9	Detached	-	1177
<input type="checkbox"/> Annapurna internet gateway	igw-0a82a1fa1490b641c	Detached	-	1177

*VPC-A CONNECTED TO INTERNET GATEWAY

Internet gateways (2) Info

Filter internet gateways

Name	Internet gateway ID	State	VPC ID	Owner
<input type="checkbox"/> -	igw-03328d12e16d1c9c9	Detached	-	1177082740
<input type="checkbox"/> Annapurna internet...	igw-0a82a1fa1490b641c	Attached	vpc-0ebcb5b14679018b4 Annapurna...	1177082740

*PUBLIC ROUTE TABLE IS CONNECTED TO INTERNET GATEWAY

Edit routes

Destination	Target	Status	Propagated
10.100.0.0/16	local	Active	No
0.0.0.0/0	igw-0a82a1fa1490b641c	-	No

Add route

*CREATION OF INSTANCES

Instances (2) Info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive) < 1 > Settings

Instance state = running X Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Avai
Annapurna EC2 PUBSB1	i-04966d6cd578f735b	Running	t2.micro	2/2 checks passed	No alarms	ap-s
Annapurna EC2 PVTSB1	i-0fe7cc2c72f1452b7	Running	t2.micro	2/2 checks passed	No alarms	ap-s

*PUBLIC SUBNET CONNETED TO POWERSHELL

```

64 bytes from 192.168.0.94: icmp_seq=29 ttl=255 time=0.409 ms
64 bytes from 192.168.0.94: icmp_seq=30 ttl=255 time=0.492 ms
64 bytes from 192.168.0.94: icmp_seq=31 ttl=255 time=0.501 ms
64 bytes from 192.168.0.94: icmp_seq=32 ttl=255 time=0.492 ms
64 bytes from 192.168.0.94: icmp_seq=33 ttl=255 time=0.502 ms
64 bytes from 192.168.0.94: icmp_seq=34 ttl=255 time=0.500 ms
^C
--- 192.168.0.94 ping statistics ---
34 packets transmitted, 34 received, 0% packet loss, time 33756ms
rtt min/avg/max/mdev = 0.384/0.491/1.255/0.140 ms
[root@ip-192-168-2-26 ec2-user]# ^C
[root@ip-192-168-2-26 ec2-user]# ^C
[root@ip-192-168-2-26 ec2-user]# client_loop: send disconnect: Connection reset
PS C:\Users\91991\Downloads>

```

*NAT GATEWAY

NAT gateways (1/1) Info Refresh Actions Create NAT gateway

Filter NAT gateways < 1 > Settings

Name	NAT gateway ID	Connectiv...	State	State message	Elastic IP addr
myNATgatewayAy	nat-0de5c3f5e1f991eb9	Public	Pending	-	-

```

root@ip-100-1-143/home/ec2-user
[root@ip-100-1-143 ec2-user]# cat
Connection reset by 54.255.245.22 port 22
PS C:\Users\srinikant\Downloads> ssh -i Singapore.pem ec2-user@54.255.245.22
Last login: Mon Nov 7 15:31:06 2022 from 49.37.128.154

Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
13 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-100-0-109 ~]$ sudo su
[root@ip-100-0-109 ec2-user]# ssh -i Singapore.pem ec2-user@10.100.1.143
Last login: Mon Nov 7 15:33:44 2022 from 10.100.0.109

Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-100-1-143 ~]$ sudo su
[root@ip-100-1-143 ec2-user]# ssh ec2-user@10.200.1.23
The authenticity of host '10.200.1.23 (10.200.1.23)' can't be established.
ECDSA key fingerprint is SHA256:21Qx32CQV7h8nxxD46awnZ/11isf13b1UC7G070.
ECDSA key fingerprint is MD5:11:1f:02:7a:0b:04:45:f4:70:69:75:53:14:ca:ed:4c.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.200.1.23' (ECDSA) to the list of known hosts.
Permission denied (publickey,sshpass,ssh-agent,ssh-keychain).
[root@ip-100-1-143 ec2-user]# ping 10.200.1.23
PING 10.200.1.23 (10.200.1.23) 56(68) bytes of data:
64 bytes from 10.200.1.23: icmp_seq=1 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=2 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=3 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=4 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=5 ttl=255 time=1.00 ms
64 bytes from 10.200.1.23: icmp_seq=6 ttl=255 time=1.02 ms
64 bytes from 10.200.1.23: icmp_seq=7 ttl=255 time=1.07 ms
64 bytes from 10.200.1.23: icmp_seq=8 ttl=255 time=1.06 ms
64 bytes from 10.200.1.23: icmp_seq=9 ttl=255 time=1.07 ms
64 bytes from 10.200.1.23: icmp_seq=10 ttl=255 time=1.02 ms
64 bytes from 10.200.1.23: icmp_seq=11 ttl=255 time=1.10 ms
^C
--- 10.200.1.23 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10012ms
rtt min/avg/max/mdev = 1.022/1.057/1.107/0.032 ms
[root@ip-100-1-143 ec2-user]#

```

```

root@ip-10-200-1-23/home/ec2-user
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[root@ip-10-100-1-143 ec2-user]# ping 10.200.1.23
PING 10.200.1.23 (10.200.1.23) 56(84) bytes of data:
64 bytes from 10.200.1.23: icmp_seq=1 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=2 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=3 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=4 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=5 ttl=255 time=1.05 ms
64 bytes from 10.200.1.23: icmp_seq=6 ttl=255 time=1.02 ms
64 bytes from 10.200.1.23: icmp_seq=7 ttl=255 time=1.07 ms
64 bytes from 10.200.1.23: icmp_seq=8 ttl=255 time=1.04 ms
64 bytes from 10.200.1.23: icmp_seq=9 ttl=255 time=1.02 ms
64 bytes from 10.200.1.23: icmp_seq=10 ttl=255 time=1.02 ms
64 bytes from 10.200.1.23: icmp_seq=11 ttl=255 time=1.10 ms
^C
--- 10.200.1.23 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10012ms
rtt min/avg/max/mdev = 1.022/1.057/1.107/0.032 ms
[root@ip-10-100-1-143 ec2-user]# exit
exit
[ec2-user@ip-10-100-1-143 ~]$ exit
logout
Connection to 10.100.1.143 closed.
[root@ip-10-100-0-109 ec2-user]# ls -lir
total 4
-rw-rw-rw- 1 ec2-user ec2-user 1674 Nov 7 14:24 Singapore.pem
[root@ip-10-100-0-109 ec2-user]# scp -i Singapore.pem -r Singapore.pem ec2-user@10.100.1.143:/home/ec2-user
Singapore.pem                                100% 1674  961.4KB/s  00:00
[root@ip-10-100-0-109 ec2-user]# ssh -i Singapore.pem ec2-user@10.100.1.143
Last login: Mon Nov 7 15:47:35 2022 from 10.100.0.109

┌──────────┐
└──────────┘ Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-200-1-23 ~]$ sudo su
[root@ip-10-100-1-143 ec2-user]# ls -lir
total 4
-rw-rw-rw- 1 ec2-user ec2-user 1674 Nov 7 15:54 Singapore.pem
[root@ip-10-100-1-143 ec2-user]# ssh -i Singapore.pem ec2-user@10.200.1.23

┌──────────┐
└──────────┘ Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-200-1-23 ~]$ sudo su
[root@ip-10-200-1-23 ec2-user]#

```

S3 STORAGE

* CREATION OF BUCKET

amazon S3 > Buckets

▶ Account snapshot View Storage Lens dashboard
 Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) Info

Buckets are containers for data stored in S3. [Learn more](#)

< 1 > ⚙

Name	AWS Region	Access	Creation date
<input type="radio"/> annapura1	Asia Pacific (Sydney) ap-southeast-2	Public	December 3, 2022, 11:28:15 (UTC+05:30)

POLICY GENERATOR

Use a comma to separate multiple values.

Policy JSON Document

Click below to edit. To save the policy, copy the text below to a text editor. Changes made below will not be reflected in the policy generator tool.

```

{
  "Id": "Policy1670047776908",
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Stmt1670047746915",
      "Action": [
        "s3:GetObject"
      ],
      "Effect": "Allow",
      "Resource": "arn:aws:s3:::annapurna1/*",
      "Principal": "*"
    }
  ]
}

```

This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that you are in compliance with all applicable laws and regulations. This AWS Policy Generator is provided as a convenience only and does not constitute an offer of any AWS service.

Close

IMAGE SHOWN IN

WEB

Dublication rule

Buckets (2) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

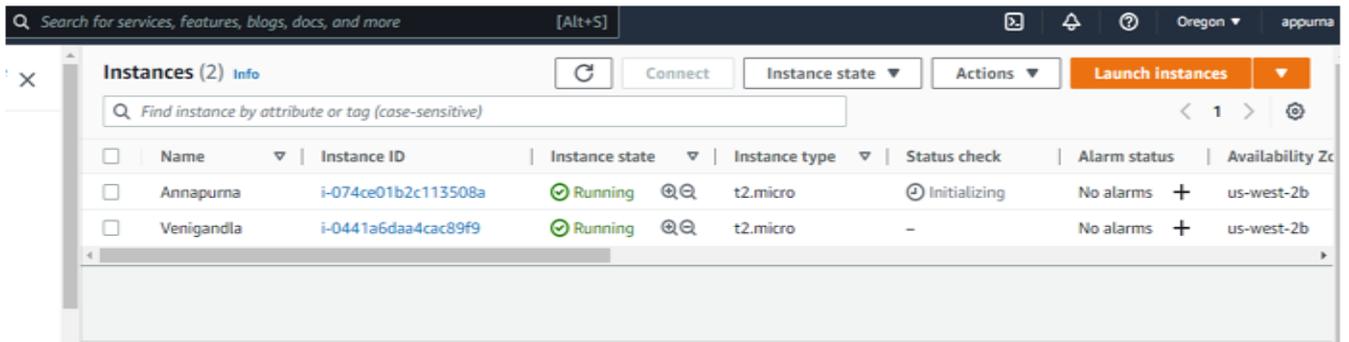
Find buckets by name

< 1 > ⚙️

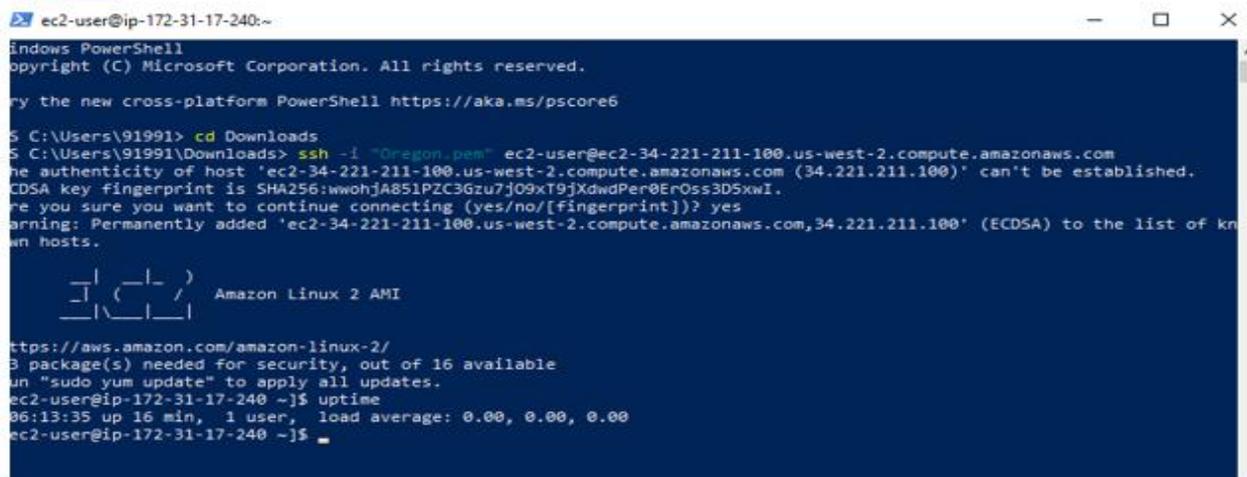
	Name	AWS Region	Access	Creation date
<input type="radio"/>	annapurna1	Asia Pacific (Sydney) ap-southeast-2	⚠️ Public	December 3, 2022, 11:28:15 (UTC+05:30)
<input checked="" type="radio"/>	annapurna1dublicate	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	December 3, 2022, 11:56:54 (UTC+05:30)

CREATE INSTANCE (OR) MACHINE

*CREATE THE INSTANCE

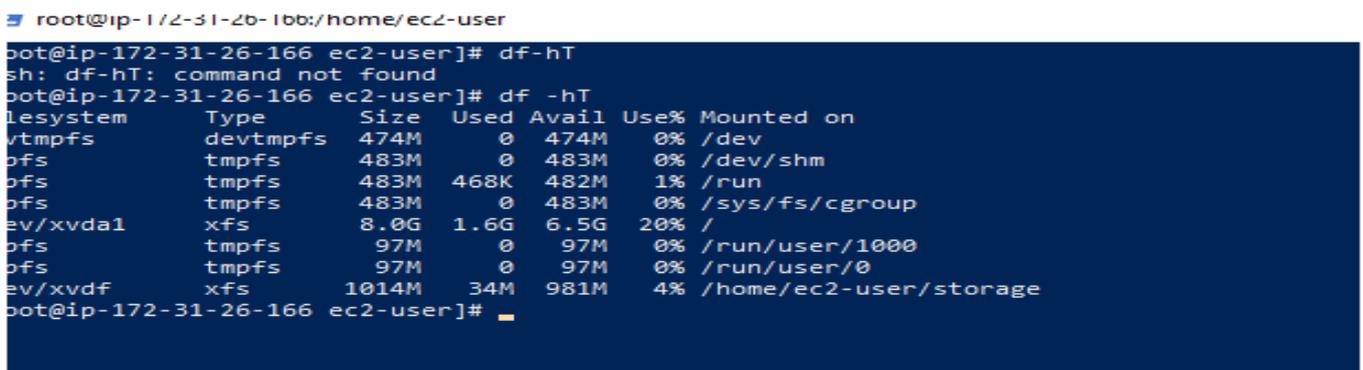
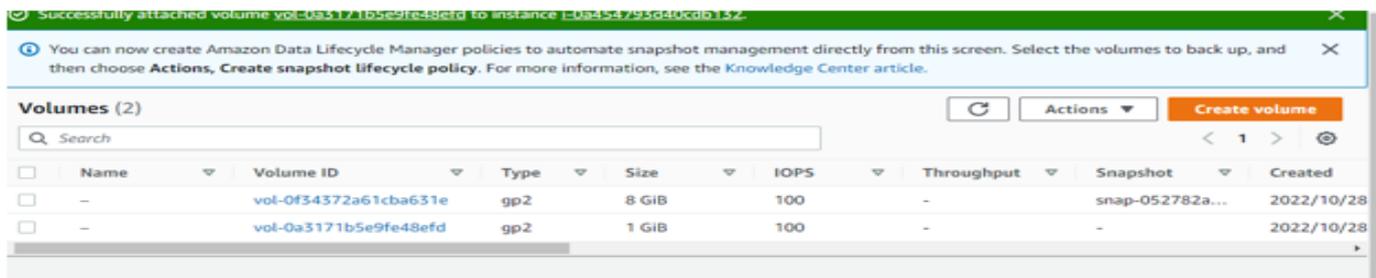


*connect to the server



CREATE EBS VOLUMES

*Create a volume



*MOUNT THE FILE AND TOUCH TXT

```

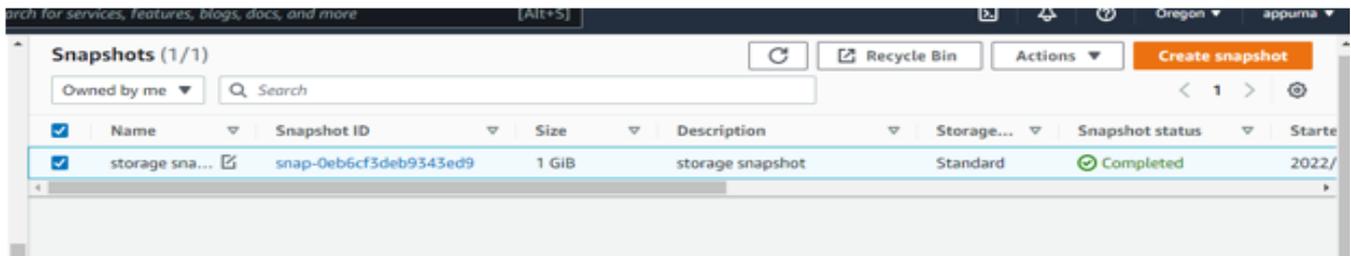
root@ip-172-31-26-166 ec2-user]# df -hT
ash: df-hT: command not found
root@ip-172-31-26-166 ec2-user]# df -hT
filesystem      Type      Size      Used      Avail      Use%      Mounted on
evtmpfs         devtmpfs  474M      0          474M      0%        /dev
mpfs            tmpfs     483M      0          483M      0%        /dev/shm
mpfs            tmpfs     483M      468K      482M      1%        /run
mpfs            tmpfs     483M      0          483M      0%        /sys/fs/cgroup
dev/xvda1       xfs       8.0G      1.6G      6.5G      20%       /
mpfs            tmpfs     97M       0          97M       0%        /run/user/1000
mpfs            tmpfs     97M       0          97M       0%        /run/user/0
dev/xvdf        xfs       1014M     34M       981M      4%        /home/ec2-user/storage
root@ip-172-31-26-166 ec2-user]# ^C
root@ip-172-31-26-166 ec2-user]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
vda         202:0    0   8G  0 disk
├─xvda1     202:1    0   8G  0 part /
└─vdf       202:80   0   1G  0 disk /home/ec2-user/storage
root@ip-172-31-26-166 ec2-user]# cd storage
root@ip-172-31-26-166 storage]# touch {1,,10}.txt
ash: syntax error near unexpected token `}'
root@ip-172-31-26-166 storage]# touch
touch: missing file operand
Try 'touch --help' for more information.
root@ip-172-31-26-166 storage]# touch {1,,10} txt
root@ip-172-31-26-166 storage]# ls
10 txt
root@ip-172-31-26-166 storage]# umount /home/ec2-user/storage/
mount: /home/ec2-user/storage/: target is busy.
root@ip-172-31-26-166 storage]#
root@ip-172-31-26-166 storage]# umount /home/ec2-user/storage/

```

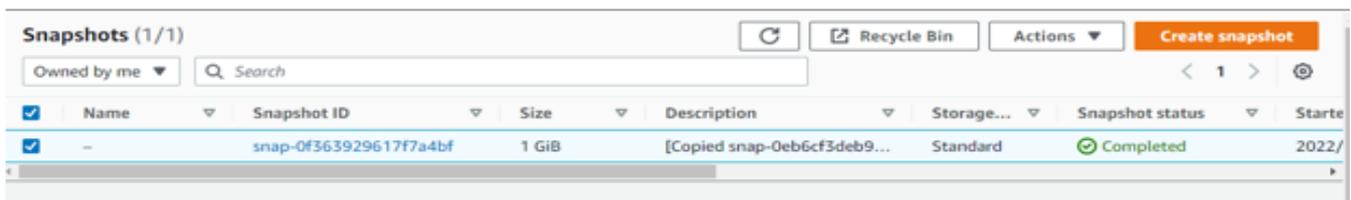
*Mount the file and touch txt.

CREATE THE SNAPSHOT

*Create a snapshot



Copied snapshot another region



CREATE AMI & LOAD BALANCER



Ubuntu

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

PHP Version 8.1.2-1ubuntu2.6



System	Linux ip-172-31-33-186 5.15.0-1019-aws #23-Ubuntu SMP Wed Aug 17 18:33:13 UTC 2022 x86_64
Build Date	Sep 15 2022 11:30:49
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d

Amazon Machine Images (AMIs) (1/1) [info](#)

Owned by me < 1 >

<input checked="" type="checkbox"/>	Name	AMI ID	AMI name	Source	Owner
<input checked="" type="checkbox"/>	-	ami-03961434677a0b97b	apachePhp-image	117708274041/apachePhp-image	117708274041

PHP Version 8.1.2-1ubuntu2.6



System	Linux ip-172-31-33-186 5.15.0-1019-aws #23-Ubuntu SMP Wed Aug 17 18:33:13 UTC 2022 x86_64
Build Date	Sep 15 2022 11:30:49
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini

*TARGET GROUP

EC2 > Target groups

Target groups (1/1) Info

Search or filter target groups

Name	ARN	Port	Protocol	Target type
ALBTG	arn:aws:elasticloadbalancin...	80	HTTP	Instance

Target group: ALBTG

*LOAD BALANCER

Create Load Balancer

search: ALBTG

Name	DNS name	State	VPC ID	Availability Zones	Type
ALBTG	ALBTG-919408655.ap-south...	Provisioning	vpc-06b18b89d5b5e8de0	ap-south-1b, ap-south-...	application

Amazon Machine Images (AMIs) (1/1) Info

Owned by me

Name	AMI ID	AMI name	Source	Owner
-	ami-03961414677a0b91b	apachePhp-image	117708274041/apachePhp-image	117708274041

AZURE VPC

- V-NET

-
-

ANNAPURNA | Subnets

Name	IPv4	IPv6	Available IPs	Delegated to	Security group	Route table
default	10.0.0.0/24	-	251	-	-	-
subnet1	10.0.1.0/24	-	251	-	-	-

*RESOURCE GROUP

RG ☆ ...
Resource group

Search << + Create ⚙️ Manage view 🗑️ Delete resource group 🔄 Refresh 📄 Export to CSV 🔗 Open query 🔊

Overview
Activity log
Access control (IAM)
Tags
Resource visualizer
Events

Settings

Essentials

Subscription (move) : [Free Trial](#) Deployments : 1 Succeeded

Subscription ID : 411159bd-5631-416a-abde-026902bfa748 Location : East Asia

Tags (edit) : [Click here to add tags](#)

Resources Recommendations

Filter for any field... Type equals all Location equals all + Add filter

*CREATE A VIRTUAL MACHINE

Virtual machines ☆ ...
Default Directory

+ Create ↔️ Switch to classic 🕒 Reservations ⚙️ Manage view 🔄 Refresh 📄 Export to CSV 🔗 Open query 🏷️ Assign tags ▶ Start ↺ Restart

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all + Add filter No grouping

<input type="checkbox"/> Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating sy
<input type="checkbox"/> ANNAPURNA	Virtual machine	Free Trial	RG	East Asia	Running	Linux
<input type="checkbox"/> venigandlaPVT	Virtual machine	Free Trial	RG	East Asia	Running	Linux

*PUBLIC POWERSHELL IS CONNECTED TO PRIVATE VM

```

ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

annapurna@ANNAPURNA:~$ sudo su
root@ANNAPURNA:/home/annapurna# ssh annapurna@10.0.1.4
The authenticity of host '10.0.1.4 (10.0.1.4)' can't be established.
ECDSA key fingerprint is SHA256:zuVZV9TOxbdqP4g6RvpkXaXcBLhDG9n9qxgiP8eeyfY.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.1.4' (ECDSA) to the list of known hosts.
annapurna@10.0.1.4's password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1029-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Dec 25 05:06:55 UTC 2022

System load:  0.03          Processes:            100
Usage of /:   5.1% of 28.89GB Users logged in:     0
Memory usage: 31%          IPv4 address for eth0: 10.0.1.4
Swap usage:   0%

Updates can be applied immediately.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```

*NAT GATEWAY

Microsoft.NatGateway-20221225103954 | Overview

Deployment

Search << Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: Microsoft.NatGateway-2022122510... Start time: 12/25/2022, 10:45:10 AM
Subscription: [Free Trial](#) Correlation ID: 4d09ee74-7723-4576-91f4-d375b5d0b...

Deployment details

Resource	Type	Status	Operation details
VirtualNetworkAssociation-2	Microsoft.Resources/deplo...	Created	Operation details
VENIGANDLA	Microsoft.Network/natGat...	OK	Operation details
PUBLICIP	Microsoft.Network/publicl...	OK	Operation details

```
root@venigandla: /home/annapurna
annapurna@venigandlaPVT:~$ sudo su
root@venigandlaPVT:/home/annapurna# curl ifconfig.me
10.205.0.83root@venigandlaPVT:/home/annapurna# uptime
05:21:39 up 33 min, 1 user, load average: 0.00, 0.00, 0.00
root@venigandlaPVT:/home/annapurna# exit
exit
annapurna@venigandlaPVT:~$ exit
logout
Connection to 10.0.1.4 closed.
root@ANNAPURNA:/home/annapurna# curl ifconfig.me
10.187.76.41root@ANNAPURNA:/home/annapurna# curl ifconfig.me
10.187.76.41root@ANNAPURNA:/home/annapurna# ssh annapurna@10.0.1.4
annapurna@10.0.1.4's password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1029-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Dec 25 05:38:24 UTC 2022

System load:  0.0          Processes:            100
Usage of /:   5.2% of 28.89GB Users logged in:     0
Memory usage: 31%         IPv4 address for eth0: 10.0.1.4
Swap usage:   0%

Updates can be applied immediately.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Dec 25 05:06:57 2022 from 10.0.0.4
annapurna@venigandlaPVT:~$ sudo su
root@venigandlaPVT:/home/annapurna# curl ifconfig.me
10.205.0.83root@venigandlaPVT:/home/annapurna# google.com
google.com: command not found
root@venigandlaPVT:/home/annapurna#
```

VPC PEERING

*CREATE A VIRTUAL MACHINE IN TWO DIFFERENT Vnets

Virtual machines

Default Directory

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query | Assign tags Start Restart Stop Delete ...

Filter for any field...

Subscription equals all

Type equals all

Resource group equals all X

Location equals all X

+ Add filter

No grouping

List view

<input type="checkbox"/> Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system ↑↓	Size ↑↓
<input type="checkbox"/> ANNAPURNA	Virtual machine	Free Trial	RG	East Asia	Running	Linux	Standard_B1s
<input type="checkbox"/> VENIGANDLA	Virtual machine	Free Trial	RG	Central India	Running	Linux	Standard_B1s

*CREATE A Vnet IN TWO DIFFERENT REGIONS

Virtual networks

Default Directory

+ Create Manage view Refresh Export to CSV Open query | Assign tags

Filter for any field...

Subscription equals all

Resource group equals all X

Location equals all X

+ Add filter

<input type="checkbox"/> Name ↑↓	Resource group ↑↓	Location ↑↓
<input type="checkbox"/> ANNAPURNA	RG	East Asia
<input type="checkbox"/> ANNAPURNA2	RG	Central India

*VPC PEERING

```

annapurna@ANNAPURNA:~$ ssh annapurna@192.168.0.4
The authenticity of host '192.168.0.4 (192.168.0.4)' can't be established.
ECDSA key fingerprint is SHA256:7+StTjwoBp7V5xGapYhRuIemCiubLoUUmMCiB88QzWw.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.0.4' (ECDSA) to the list of known hosts.
annapurna@192.168.0.4's password:
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-1029-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Dec 25 13:42:10 UTC 2022

System load:  0.0          Processes:    100
Usage of /:   5.2% of 28.89GB   Users logged in:  0
Memory usage: 31%          IPv4 address for eth0: 192.168.0.4
Swap usage:  0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

0 updates can be applied immediately.

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

annapurna@VENIGANDLA:~$

```

VNET1 | Peerings ☆ ...

Virtual network

Search

Network manager
DNS servers
Peerings
Service endpoints
Private endpoints
Properties

+ Add Refresh Sync

Filter by name... Peering status == all

<input type="checkbox"/> Name ↑↓	Peering status ↑↓	Peer ↑↓	Gateway transit ↑↓	
<input type="checkbox"/> VNET1-to-VNET2	Connected	VNET2	Disabled	...

AMI IN AZURE

Virtual machines

Default Directory

+ Create Switch to classic Reservations Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add

Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓
ANNAPURNA	Virtual machine	Free Trial	RG	Japan East	Running

```
...
cessing triggers for libc-bin (2.31-0ubuntu9.9) ...
t@ANNAPURNA:/home/annapurna# systemctl status apache2
apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enable
   Active: active (running) since Sun 2022-12-25 14:14:13 UTC; 2min 45s ago
     Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 3370 (apache2)
    Tasks: 55 (limit: 1076)
   Memory: 9.1M
    CGroup: /system.slice/apache2.service
            └─3370 /usr/sbin/apache2 -k start
              └─3373 /usr/sbin/apache2 -k start
                └─3374 /usr/sbin/apache2 -k start

25 14:14:13 ANNAPURNA systemd[1]: Starting The Apache HTTP Server...
25 14:14:13 ANNAPURNA systemd[1]: Started The Apache HTTP Server.
```

*connected to apache2

Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
```

*connect to php



System	Linux ANNAPURNA 5.15.0-1029-azure #36~20.04.1-Ubuntu SMP Tue Dec 6 17:00:26 UTC 2022 x86_64
Build Date	Nov 2 2022 09:53:44
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d
Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/10-mysqld.ini, /etc/php/7.4/apache2/conf.d/10-opcache.ini, /etc/php/7.4/apache2/conf.d/10-pdo.ini, /etc/php/7.4/apache2/conf.d/20-calendar.ini, /etc/php/7.4/apache2/conf.d/20-ctype.ini, /etc/php/7.4/apache2/conf.d/20-exif.ini, /etc/php/7.4/apache2/conf.d/20-ffi.ini, /etc/php/7.4/apache2/conf.d/20-fileinfo.ini, /etc/php/7.4/apache2/conf.d/20-ftp.ini, /etc/php/7.4/apache2/conf.d/20-gettext.ini, /etc/php/7.4/apache2/conf.d/20-iconv.ini, /etc/php/7.4/apache2/conf.d/20-json.ini, /etc/php/7.4/apache2/conf.d/20-mysqli.ini, /etc/php/7.4/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.4/apache2/conf.d/20-phar.ini, /etc/php/7.4/apache2/conf.d/20-posix.ini, /etc/php/7.4/apache2/conf.d/20-readline.ini, /etc/php/7.4/apache2/conf.d/20-shmop.ini, /etc/php/7.4/apache2/conf.d/20-sockets.ini, /etc/php/7.4/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.4/apache2/conf.d/20-sysvsem.ini, /etc/php/7.4/apache2/conf.d/20-sysvshm.ini, /etc/php/7.4/apache2/conf.d/20-tokenizer.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902,NTS
PHP Extension Build	API20190902,NTS

*virtual machine2 image connected to apache2



Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
```

*IMAGE CONNECTED TO PHP

PHP Version 7.4.3



System	Linux VENIGANDLA 5.15.0-1029-azure #36~20.04.1-Ubuntu SMP Tue Dec 6 17:00:26 UTC 2022 x86_64
Build Date	Nov 2 2022 09:53:44
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d
Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/10-mysqlnd.ini, /etc/php/7.4/apache2/conf.d/10-opcache.ini, /etc/php/7.4/apache2/conf.d/10-pdo.ini, /etc/php/7.4/apache2/conf.d/20-calendar.ini, /etc/php/7.4/apache2/conf.d/20-ctype.ini, /etc/php/7.4/apache2/conf.d/20-exif.ini, /etc/php/7.4/apache2/conf.d/20-ffi.ini, /etc/php/7.4/apache2/conf.d/20-fileinfo.ini, /etc/php/7.4/apache2/conf.d/20-ftp.ini, /etc/php/7.4/apache2/conf.d/20-gd.ini, /etc/php/7.4/apache2/conf.d/20-gettext.ini, /etc/php/7.4/apache2/conf.d/20-iconv.ini, /etc/php/7.4/apache2/conf.d/20-json.ini, /etc/php/7.4/apache2/conf.d/20-mysqli.ini, /etc/php/7.4/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.4/apache2/conf.d/20-phar.ini, /etc/php/7.4/apache2/conf.d/20-posix.ini, /etc/php/7.4/apache2/conf.d/20-readline.ini, /etc/php/7.4/apache2/conf.d/20-shmop.ini, /etc/php/7.4/apache2/conf.d/20-sockets.ini, /etc/php/7.4/apache2/conf.d/20-sysmsg.ini, /etc/php/7.4/apache2/conf.d/20-sysvsem.ini, /etc/php/7.4/apache2/conf.d/20-sysvshm.ini, /etc/php/7.4/apache2/conf.d/20-tokenizer.ini
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902,NTS
PHP Extension Build	API20190902,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled

Virtual machine details for ANNAPURNA:

- Resource group: [RG](#)
- Status: Stopped (deallocated)
- Location: Japan East
- Subscription: [Free Trial](#)
- Subscription ID: 411159bd-5631-416a-abde-026902bfa748
- Operating system: Linux
- Size: Standard B1s (1 vcpu, 1 GiB memory)
- Public IP address: [52-253-117-41](#)
- Virtual network/subnet: [VNET1/SUBNET1](#)
- DNS name: [Not configured](#)

VIRTUAL MACHINE SCALE SET

Virtual machine scale set details for ANNAPURNA:

- Resource group: [rg](#)
- Status: 2 out of 2 succeeded
- Location: East Asia
- Subscription: [Free Trial](#)
- Subscription ID: 411159bd-5631-416a-abde-026902bfa748
- Operating system: Linux
- Size: Standard_B1s (2 instances)
- Public IP address: -
- Public IP address (IPv6): -
- Virtual network/subnet: [rg-vnet/default](#)
- Orchestration mode: Uniform

[Home](#) >

Virtual machine scale sets

Default Directory

[+](#) Create [☰](#) Edit columns [🔄](#) Refresh [🗨](#) Feedback | [🏷](#) Assign tags [▶](#) Start [🔄](#) Restart [☐](#) Stop [🗑](#) Delete

Subscriptions: Free Trial

Filter by name... All resource groups All locations All tags No grouping

1 of 1 items selected

<input type="checkbox"/> Name ↑↓	Status	Instances	Azure Spot eviction policy	Resource group ↑↓	Location ↑↓
<input type="checkbox"/> ANNAPURNA	✔ All succeeded	2	-	rg	East Asia

AZURE EBS

*create a virtual mission

Virtual machines

Default Directory

[+](#) Create [↔](#) Switch to classic [🕒](#) Reservations [⚙](#) Manage view [🔄](#) Refresh [↓](#) Export to CSV [🔗](#) Open query | [🏷](#) Assign tags [▶](#) Start [🔄](#) Restart [☐](#) S

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

No grouping

<input type="checkbox"/> Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system 1
<input type="checkbox"/> venigandla	Virtual machine	Free Trial	RG	East Asia	Running	Linux

*create a disk

Disks

Default Directory

[+](#) Create [⚙](#) Manage view [🔄](#) Refresh [↓](#) Export to CSV [🔗](#) Open query | [🏷](#) Assign tags

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

No grouping

<input type="checkbox"/> Name ↑↓	Storage account type ↑↓	Size (G... ↑↓	Owner ↑↓	Resource group ↑↓	Location ↑↓
<input type="checkbox"/> ANNAPURNA_disk1_1f63afc074fd494c8906c30785c553b1	Premium SSD LRS	30	-	RG	East Asia
<input type="checkbox"/> annapurnadisk	Standard SSD LRS	4	venigandla	RG	East Asia
<input type="checkbox"/> venigandla_disk1_c18bc5e876344ed4abcae6113800166d	Standard SSD LRS	30	venigandla	RG	East Asia

*disk is mount to VM

```

root@venigandla:/home/venigandla# mount -t ext4 /dev/sdc venigandladisk
root@venigandla:/home/venigandla# lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
loop0       7:0      0 63.2M  1 loop /snap/core20/1738
loop1       7:1      0 91.9M  1 loop /snap/lxd/24061
loop2       7:2      0 49.6M  1 loop /snap/snapd/17883
sda         8:0      0   30G  0 disk
  sda1       8:1      0 29.9G  0 part /
  sda14      8:14     0    4M  0 part
  sda15      8:15     0 106M  0 part /boot/efi
  db         8:16     0    4G  0 disk
  sdb1       8:17     0    4G  0 part /mnt
  dc         8:32     0    4G  0 disk /home/venigandla/venigandladisk
  r0        11:0     1 628K  0 rom

```

*create a touch files in venigandlaVM

```

root@venigandla:/home/venigandla# ls -ltr
total 4
-rwxr-xr-x 3 root root 4096 Jan  2 14:46 venigandladisk
-rw-r--r-- 1 root root    0 Jan  2 14:46 cd
-rw-r--r-- 1 root root    0 Jan  2 14:48 5.txt
-rw-r--r-- 1 root root    0 Jan  2 14:48 4.txt
-rw-r--r-- 1 root root    0 Jan  2 14:48 3.txt
-rw-r--r-- 1 root root    0 Jan  2 14:48 2.txt
-rw-r--r-- 1 root root    0 Jan  2 14:48 1.txt
root@venigandla:/home/venigandla#

```

*create a another VM

Virtual machines  ...

Default Directory (anjivenigandlagmail.onmicrosoft.com)

[+](#) Create [↔](#) Switch to classic [🕒](#) Reservations [⚙️](#) Manage view [🔄](#) Refresh [↓](#) Export to CSV [🔗](#) Open query

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all

Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓
 venigandla	Virtual machine	Free Trial	RG1	East US
 venigandla1	Virtual machine	Free Trial	RG1	East US

*same disk is mount to another VM

```

dev/loop2    squashfs    50M    50M    0 100% /snap/snapd/17883
dev/sda15    vfat        105M   5.2M   100M  5% /boot/efi
dev/sdb1     ext4        3.9G   28K    3.7G  1% /mnt
tmpfs        tmpfs       91M    0      91M   0% /run/user/1000
dev/sdc      ext4        3.9G   24K    3.7G  1% /home/venigandla1/venigandladisk
root@venigandla1:/home/venigandla1#

```

*unmount the disk

```

root@venigandla1:/home/venigandla1# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
loop0       7:0      0 63.2M  1 loop /snap/core20/1738
loop1       7:1      0 91.9M  1 loop /snap/lxd/24061
loop2       7:2      0 49.6M  1 loop /snap/snapd/17883
da          8:0      0   30G  0 disk 
--sda1      8:1      0 29.9G  0 part /
--sda14     8:14     0    4M  0 part 
--sda15     8:15     0 106M   0 part /boot/efi
db          8:16     0    4G  0 disk 
--sdb1      8:17     0    4G  0 part /mnt
dc          8:32     0    4G  0 disk 
--r0        11:0     1 628K   0 rom 
root@venigandla1:/home/venigandla1#

```

AZURE STORAGE

*CREATE A STORAGE ACCOUNT

Storage accounts

Default Directory (anjivenigandlagmail.onmicrosoft.com)

[+](#) Create
 [↶](#) Restore
 [⚙️](#) Manage view
 [↻](#) Refresh
 [↓](#) Export to CSV
 [🔗](#) Open query
 |
 [🏷️](#) Assign tags
 [🗑️](#) Delete

Subscription equals all
Resource group equals all X
Location equals all X
+ Add filter

No grouping

Name ↑↓	Type ↑↓	Kind ↑↓	Resource group ↑↓	Location ↑↓
venigandlastorage	Storage account	StorageV2	RG1	East US

*add the file shre

[home](#) > [Storage accounts](#) > [venigandlastorage](#) | [File shares](#) >

venigandlafileshare

File share

⏪
↑ Upload
 + Add directory
 ↻ Refresh
 🗑️ Delete directory
 ⚙️ Properties

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Properties

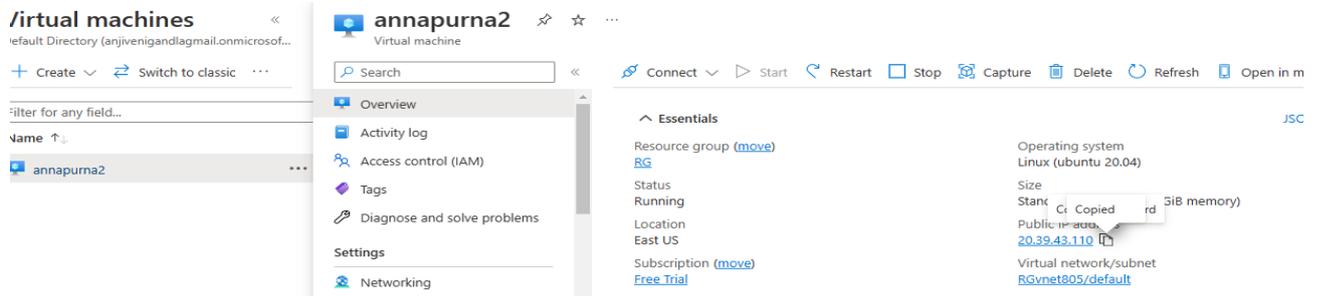
Operations

...

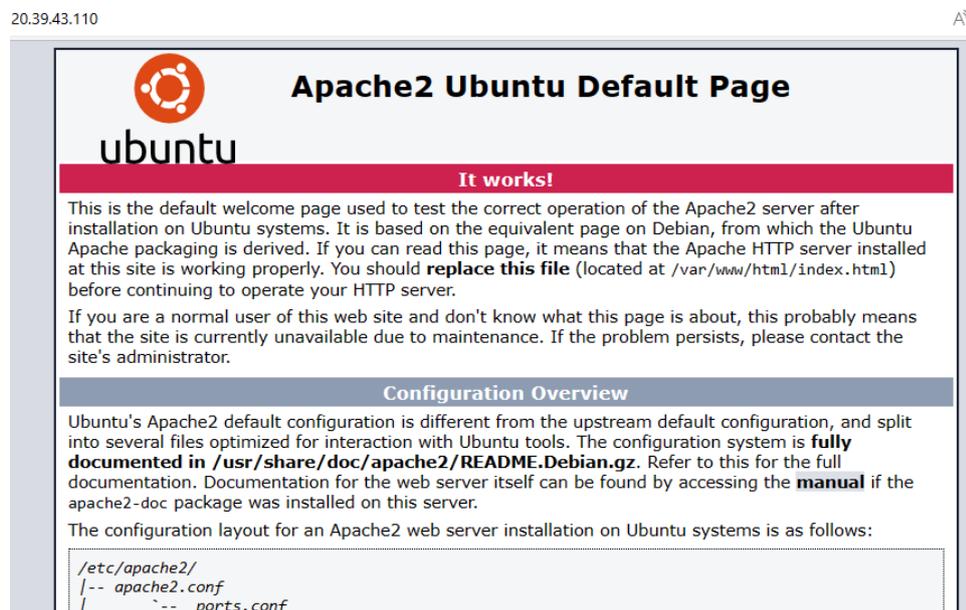
Name	Type
[.]	
test	File
{1....10}.txt	File

RESIZE (LINUX)

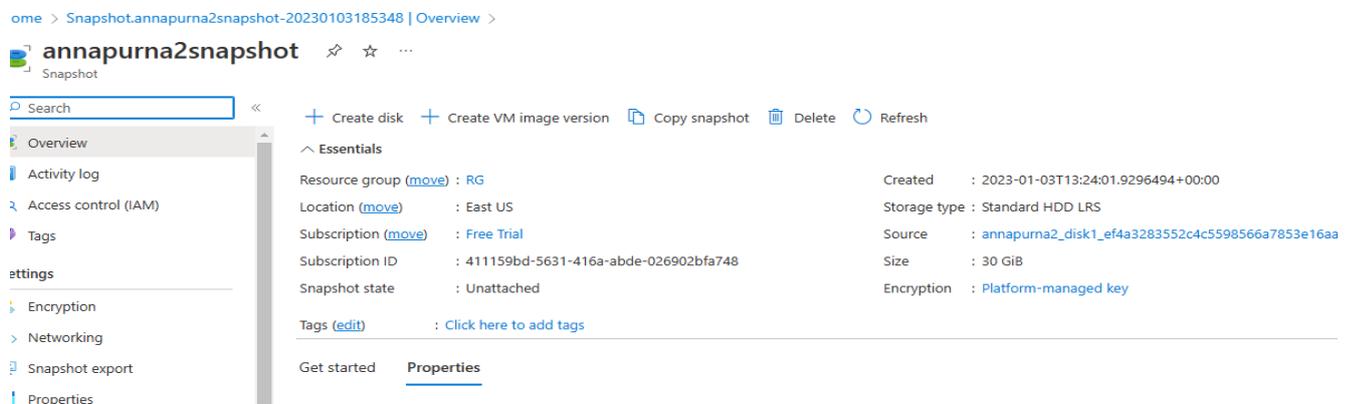
*CREATE VIRTUAL MISSION



*VM IS CONNECT TO WEB



*create a snapshot on disk of VM



*create disk on the snapshot of VM

annapura2disk Disk

Search << + Create VM + Create VM image version + Create snapshot Delete Refresh

Overview

- Activity log
- Access control (IAM)
- Tags

Settings

- Configuration
- Size + performance
- Encryption
- Networking
- Disk Export

Essentials

Resource group (move) : [RG](#)

Disk state : Unattached

Location : East US

Subscription (move) : [Free Trial](#)

Subscription ID : 411159bd-5631-416a-abde-026902bfa748

Time created : 1/3/2023, 6:57:33 PM

Tags (edit) : [Click here to add tags](#)

Disk size : 32 GiB

Disk sku : Premium SSD LRS

Managed by : ---

Operating system : Linux

Completion percent : 100

Max shares : 0

Availability zone : None

Performance tier : P4 - 120 IOPS, 25 MBps

Security type : Standard

*CREATE A vm ON THE DISK ON THE SNAPSHOT OF vm

CreateVm-venigandladisk-20230103192958 | Overview <> ...

Deployment

Search << Delete Cancel Redeploy Download Refresh

Overview

- Inputs
- Outputs
- Template

Deployment failed. Click here for details →

Your deployment failed

Deployment name: CreateVm-venigandladisk-2023010319... Start time: 1/3/2023, 7:31:43 PM
 Subscription: Free Trial Correlation ID: 6c5d460f-e5b3-41cc-8f1d-85e3daed7f9

Resource group: [venigandlarg](#)

Deployment details

Resource	Type	Status	Operation details
annapura	Microsoft.Compute/virtual...	NotFound	Operation details
annapura708	Microsoft.Network/network...	Created	Operation details
venigandlargvnet783	Microsoft.Network/virtual...	OK	Operation details
annapura-nsg	Microsoft.Network/network...	OK	Operation details
annapura-ip	Microsoft.Network/public...	OK	Operation details

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INTERNAL DNS

* create resource group

* create a Vnet

Virtual networks << >> **ANNAPURNA** | Subnets ☆ ...

Virtual network

+ Create Manage view <> ...

Filter for any field...

Name ↑↓

ANNAPURNA ...

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Search subnets

Name ↑↓	IPv4 ↑↓	IPv6 ↑↓	Available IPs ↑↓	D
subnet1	10.0.0/24	-	250	-
subnet2	10.0.1.0/24	-	250	-

* create a VM

Virtual machines

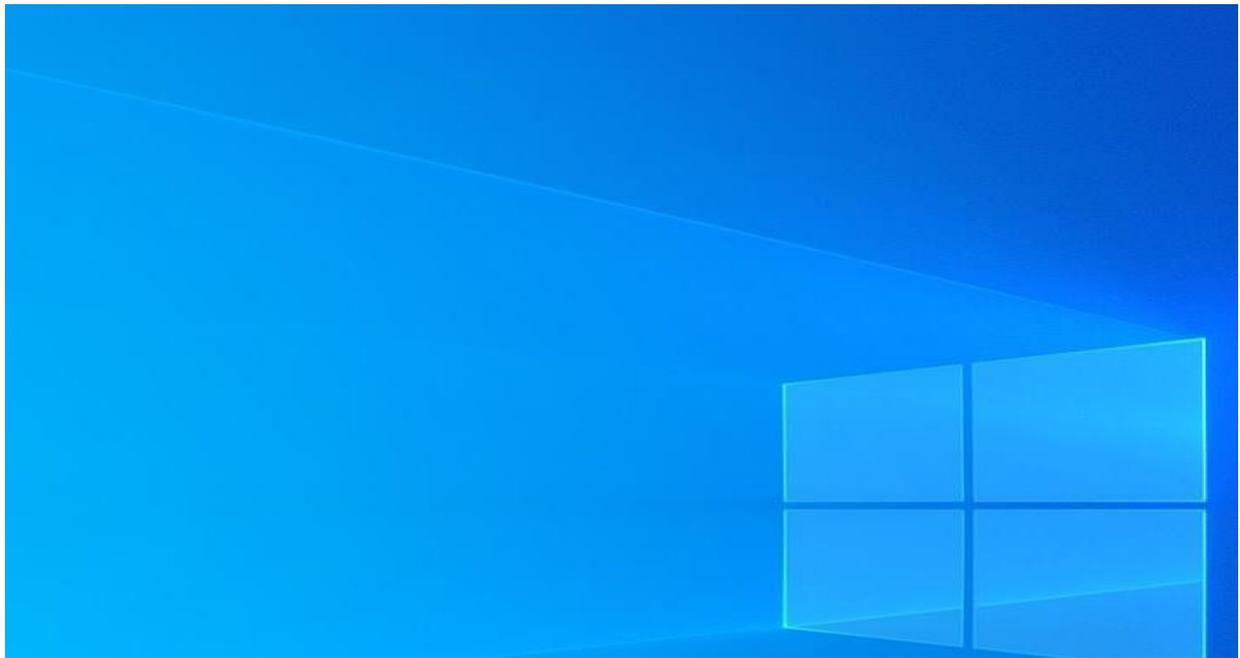
Default Directory

+ Create ▾ ↺ Switch to classic ⌚ Reservations ▾ ⚙ Manage view ▾ ↻ Refresh ↓ Export to CSV 🔗 Open query | 🏷 Assign tags ⌵

Filter for any field... Subscription equals **all** Type equals **all** Resource group equals **all** × Location equals **all** × + Add filter

<input type="checkbox"/> Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓
<input type="checkbox"/>  annapurna	Virtual machine	Free Trial	ANNAPURNA	Japan East	Running
<input type="checkbox"/>  venigandla1	Virtual machine	Free Trial	ANNAPURNA	Japan East	Running

*connect to windows



My laptop is no supporting sir .