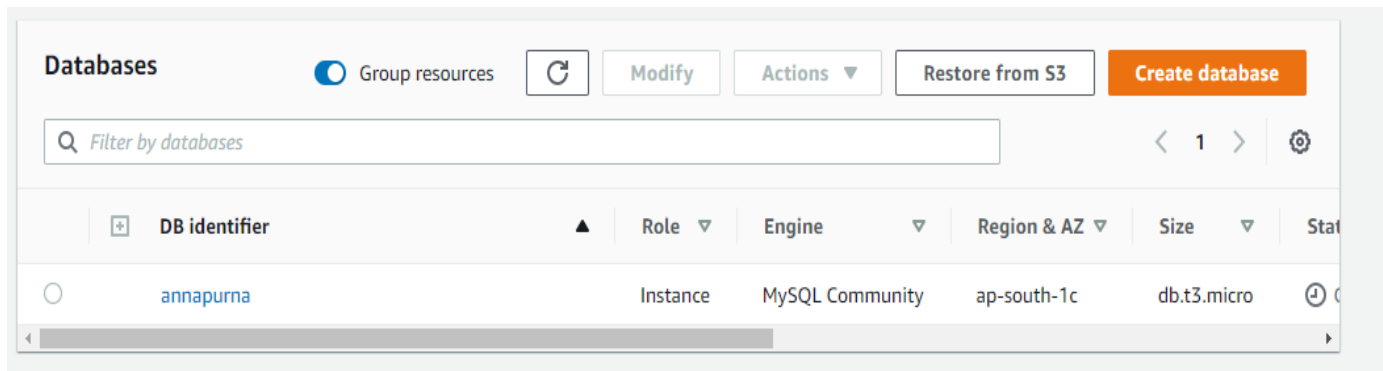
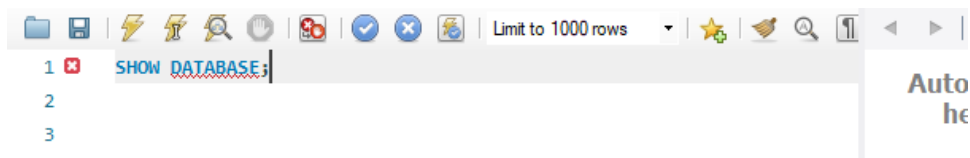


Creation of RDS



MySQL connection.

MySQL Connections



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

VPC & VPC PEERING CONNECTION

*CREATION OF VPC

| Your VPCs (1/2) Info | | | | | | | | Actions ▾ | Create VPC |
|--|----------------|-----------------------|-------------|---------------|-----------|--|-------|-----------|------------|
| <input type="text" value="Filter VPCs"/> | | | | | | | < 1 > | | |
| <input checked="" type="checkbox"/> | 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 | | | | | | | | Actions ▾ | Create subnet |
|---|-------------------|--------------------------|-------------|-------------------------------|---------------|--|-------|-----------|---------------|
| <input type="text" value="Filter subnets"/> | | | | | | | < 1 > | | |
| <input checked="" type="checkbox"/> | 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 | | | | | | | | Actions ▾ | Create route table |
|--|---------------------|-----------------------|-----------------------------|-------------------|--------|-----------------------|-------|-----------|--------------------|
| <input type="text" value="Filter route tables"/> | | | | | | | < 1 > | | |
| <input type="checkbox"/> | Name ▾ | Route table ID ▾ | Explicit subnet associat... | Edge associations | Main ▾ | VPC | | | |
| <input type="checkbox"/> | – | rtb-0c70a0f532bb5ea33 | – | – | Yes | vpc-0ebcb5b14679018b4 | | | |
| <input type="checkbox"/> | Annapurna PVT RO... | rtb-068c09fcb0dfb1a8c | – | – | No | vpc-0ebcb5b14679018b4 | | | |
| <input type="checkbox"/> | – | rtb-037be709ea23fefca | – | – | Yes | vpc-0bd2ca2826f264858 | | | |
| <input type="checkbox"/> | Annapurna PUB RO... | rtb-0bed06439c53feb2d | – | – | No | vpc-0ebcb5b14679018b4 | | | |

*ASSOCIATION OF SUBNETS

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

Subnets (1/2) Info

Filter subnets

< 1 >

Actions

Create subnet

| | 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

< 1 >

Actions

Create internet gateway

| | 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

< 1 >

Actions

Create internet gateway

| | 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 | <div>local</div> | Active | No |
| <div>0.0.0.0/0</div> | <div>igw-0a82a1fa1490b641c</div> | - | No |

Add route

Remove

*CREATION OF INSTANCES

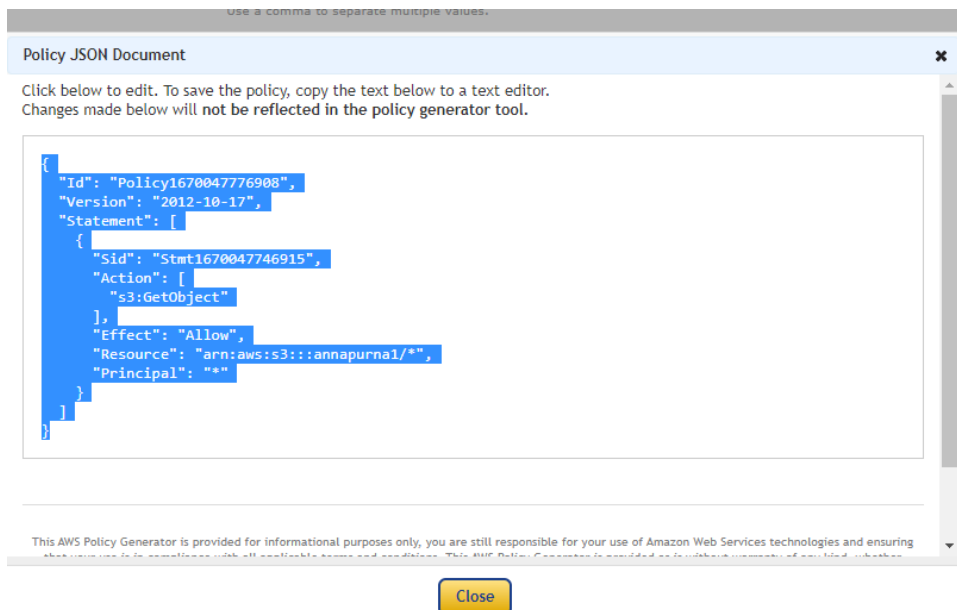


IMAGE SHOWN IN

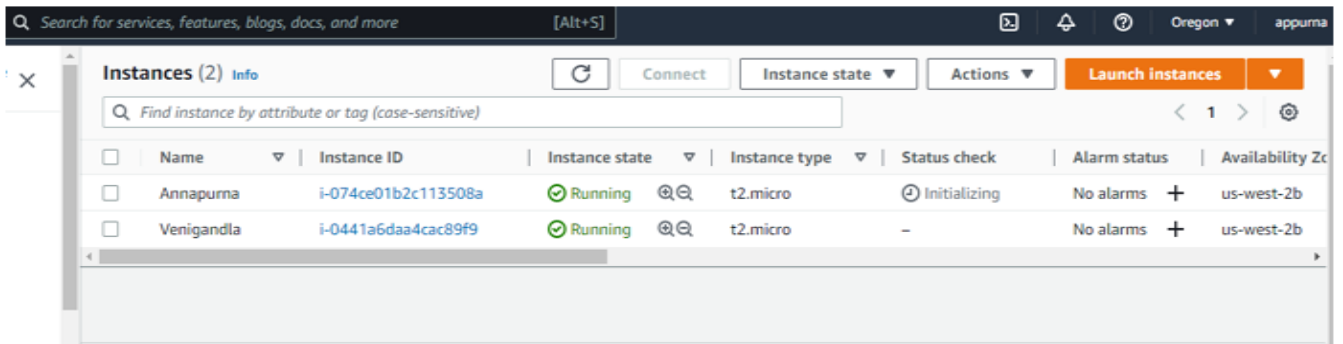
WEB

Dublication rule

| Buckets (2) Info | | | | | | Copy ARN | Empty | Delete | Create bucket |
|---|---------------------|--------------------------------------|-----------------------|--|-------|----------|-------|--------|---------------|
| <input type="text" value="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

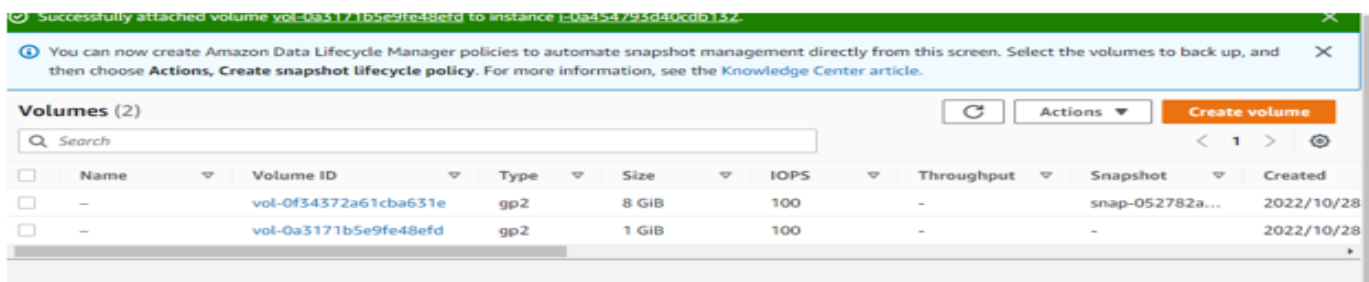
```
ec2-user@ip-172-31-17-240:~$ ssh -i "Oregon.pem" ec2-user@ec2-34-221-211-100.us-west-2.compute.amazonaws.com
Warning: Permanently added 'ec2-34-221-211-100.us-west-2.compute.amazonaws.com,34.221.211.100' (ECDSA) to the list of known hosts.

 _ _ | _ | _ |
 _ _ | _ | _ | Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 16 available
run "sudo yum update" to apply all updates.
ec2-user@ip-172-31-17-240 ~]$ uptime
06:13:35 up 16 min, 1 user, load average: 0.00, 0.00, 0.00
ec2-user@ip-172-31-17-240 ~]$
```

CREATE EBS VOLUMES

*Create a volume



root@ip-172-31-26-166:/home/ec2-user

```
root@ip-172-31-26-166 ec2-user]# df -hT
df: command not found
root@ip-172-31-26-166 ec2-user]# df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  474M   0  474M   0% /dev
tmpfs           tmpfs     483M   0  483M   0% /dev/shm
tmpfs           tmpfs     483M 468K  482M   1% /run
tmpfs           tmpfs     483M   0  483M   0% /sys/fs/cgroup
ev/xvda1        xfs       8.0G  1.6G  6.5G  20% /
tmpfs           tmpfs     97M   0   97M   0% /run/user/1000
tmpfs           tmpfs     97M   0   97M   0% /run/user/0
ev/xvdf         xfs      1014M  34M  981M   4% /home/ec2-user/storage
root@ip-172-31-26-166 ec2-user]#
```

*MOUNT THE FILE AND TOUCH TXT

```

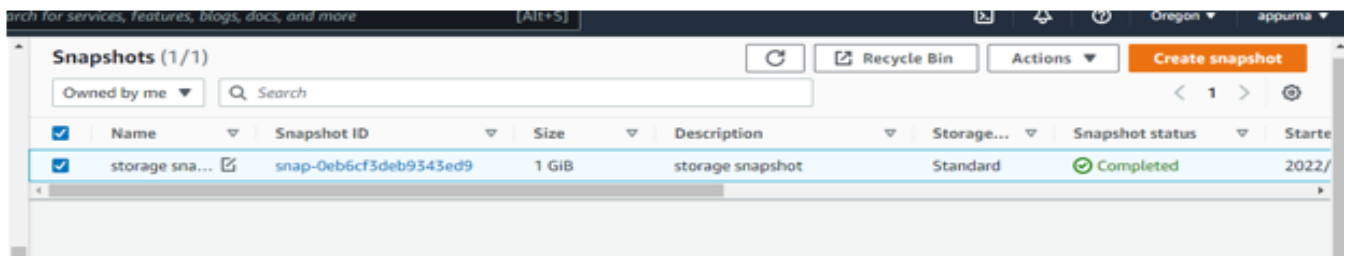
root@ip-172-31-26-166 ec2-user]# df -hT
ash: df-hT: command not found
root@ip-172-31-26-166 ec2-user]# df -hT
filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  474M   0    474M   0% /dev
mpfs            tmpfs     483M   0    483M   0% /dev/shm
mpfs            tmpfs     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

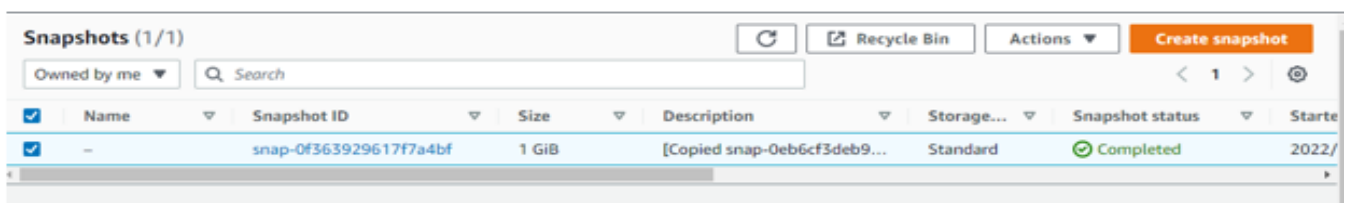
*Create a snapshot



The screenshot shows the AWS Management Console 'Snapshots' page. It displays a table with one snapshot entry. The table has columns for Name, Snapshot ID, Size, Description, Storage, Snapshot status, and Start time. The snapshot is named 'storage sna...', has ID 'snap-0eb6cf3deb9343ed9', is 1 GiB in size, and has a status of 'Completed'.

| Name | Snapshot ID | Size | Description | Storage... | Snapshot status | Starte |
|----------------|------------------------|-------|------------------|------------|-----------------|--------|
| storage sna... | snap-0eb6cf3deb9343ed9 | 1 GiB | storage snapshot | Standard | Completed | 2022/ |

Copied snapshot another region



The screenshot shows the AWS Management Console 'Snapshots' page. It displays a table with one snapshot entry. The table has columns for Name, Snapshot ID, Size, Description, Storage, Snapshot status, and Start time. The snapshot is named '-', has ID 'snap-0f363929617f7a4bf', is 1 GiB in size, and has a status of 'Completed'. The description indicates it was copied from another region.

| Name | Snapshot ID | Size | Description | Storage... | Snapshot status | Starte |
|------|------------------------|-------|-----------------------------|------------|-----------------|--------|
| - | snap-0f363929617f7a4bf | 1 GiB | [Copied snap-0eb6cf3deb9... | Standard | Completed | 2022/ |

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 |
| Additional .ini files parsed | /etc/php/8.1/apache2/conf.d/000-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/000-opcache.ini, /etc/php/8.1/apache2/conf.d/000-readline.ini |

| Amazon Machine Images (AMIs) (1/1) Info | | | | | |
|---|---|-----------------------|-----------------|--|--------------|
| | | | Actions | Launch Instance from AMI | |
| Owned by me | <input type="text" value="Find AMI by attribute or tag"/> | | | | 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

| <input checked="" type="checkbox"/> | Name | ARN | Port | Protocol | Target type |
|-------------------------------------|-------|---------------------------------|------|----------|-------------|
| <input checked="" type="checkbox"/> | ALBTG | arn:aws:elasticloadbalancing... | 80 | HTTP | Instance |

Target group: ALBTG

*LOAD BALANCER

Create Load Balancer Actions

search : ALBTG Add filter

| <input checked="" type="checkbox"/> | Name | DNS name | State | VPC ID | Availability Zones | Type |
|-------------------------------------|-------|-----------------------------|--------------|-----------------------|--------------------------|-------------|
| <input checked="" type="checkbox"/> | ALBTG | ALBTG-919408655.ap-south... | Provisioning | vpc-06b18b89d5b5e8de0 | ap-south-1b, ap-south... | application |

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

Recycle Bin EC2 Image Builder Actions Launch instance from AMI

Owned by me Find AMI by attribute or tag

| <input checked="" type="checkbox"/> | Name | AMI ID | AMI name | Source | Owner |
|-------------------------------------|------|-----------------------|-----------------|------------------------------|--------------|
| <input checked="" type="checkbox"/> | - | ami-03961414677a0b91b | apachePhp-image | 117708274041/apachePhp-image | 117708274041 |

AZURE VPC

V-NET

-
-

ANNAPURNA | Subnets

Virtual network

Search

+ Subnet + Gateway subnet Refresh Manage users Delete

Search 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 | - | - | - |

Settings

*RESOURCE GROUP

RG

Resource group

Search

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 X Location equals all X 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 X Location equals all X Add filter

No grouping

| Name | Type | Subscription | Resource group | Location | Status | Operating system |
|---------------|-----------------|--------------|----------------|-----------|---------|------------------|
| ANNA PURNA | Virtual machine | Free Trial | RG | East Asia | Running | Linux |
| 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:zuVZV9TOxbdqP4g6RvpkXaXcBLhDG9n9qxiP8eeyfY.
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%

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...
Subscription: [Free Trial](#)
Resource group: [RG](#)

Start time: 12/25/2022, 10:45:10 AM

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/public... | OK | Operation details |

```
root@venigandlaPVT: /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  
root@venigandlaPVT:/home/annapurna#  
oogle.com: command not found  
root@venigandlaPVT:/home/annapurna#
```

VPC PEERING

*CREATE A VIRTUAL MACHINE IN TWO DIFFERENT Vnets

Virtual machines

+ 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 Location equals all 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

+ 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

| <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+StTjwoBp7V5xGapYhRuIemCiubLoUUmmMCiB88QzWw.
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

+ Add | Refresh | Sync

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 X Location equals all X Add 1

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

```
Processing 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

ubuntu

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 | API320190902,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
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf

```

*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/ 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/ 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 | |
| Debug Build | no | |
| Thread Safety | disabled | |
| Zend Signal Handling | enabled | |
| Zend Memory Manager | enabled | |

Home > Virtual machines >

Virtual machines

default Directory

+ Create

Switch to classic

Filter for any field...

Name ↑↓

ANNA PURNA

VENIGANDLA

ANNA PURNA

Virtual machine

Search

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Essentials

Resource group (move)

RG

Status

Stopped (deallocated)

Location

Japan East

Subscription (move)

Free Trial

Subscription ID

411159bd-5631-416a-abde-026902bfa748

Tags (edit)

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

Successfully deleted virtual ma

ANNA PURNA

Virtual machine ANNA PURNA and a

resource(s) have been successfully c

VIRTUAL MACHINE SCALE SET

Home > Virtual machine scale sets >

Virtual machine scale...

default Directory

+ Create

Edit columns

Filter by name...

Name ↑↓

ANNA PURNA

ANNA PURNA

Virtual machine scale set

Search

Move

Start

Restart

Stop

Delete

Refresh

Feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Instances

Networking

Scaling

Disks

Essentials

Resource group (move)

rg

Status

2 out of 2 succeeded

Location

East Asia

Subscription (move)

Free Trial

Subscription ID

411159bd-5631-416a-abde-026902bfa748

Tags (edit)

Operating system

Linux

Size

Standard B1s (2 instances)

Public IP address

-

Public IP address (IPv6)

-

Virtual network/subnet

rg-vnet/default

Orchestration mode

Uniform

JSON View

[Home](#) >

Virtual machine scale sets

Default Directory

[+](#) Create [≡](#) Edit columns [↺](#) Refresh [🗨](#) Feedback | [🏷](#) Assign tags [▶](#) Start [↺](#) Restart [□](#) Stop [🗑](#) Delete

Subscriptions: Free Trial

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

| <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

| <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**

| <input type="checkbox"/> Name ↑↓ | Type ↑↓ | Subscription ↑↓ | Resource group ↑↓ | Location ↑↓ |
|--|-----------------|-----------------|-------------------|-------------|
| <input type="checkbox"/>  venigandla | Virtual machine | Free Trial | RG1 | East US |
| <input type="checkbox"/>  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
```

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](#) [Location equals all](#) [+ 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

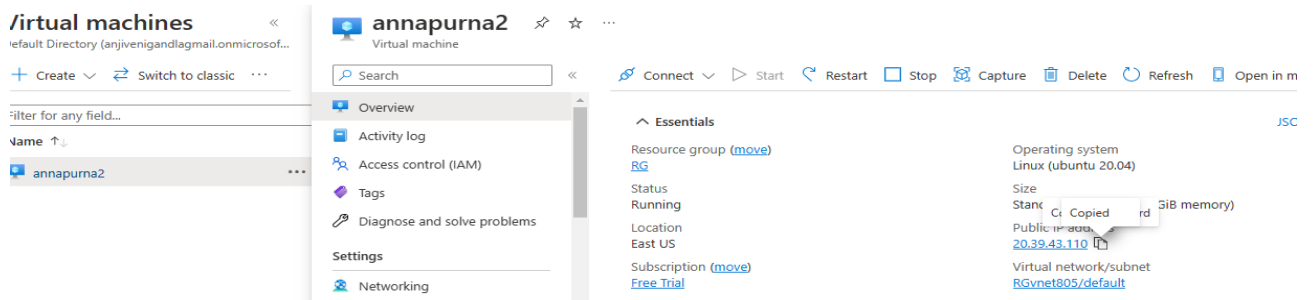
Properties

Operations

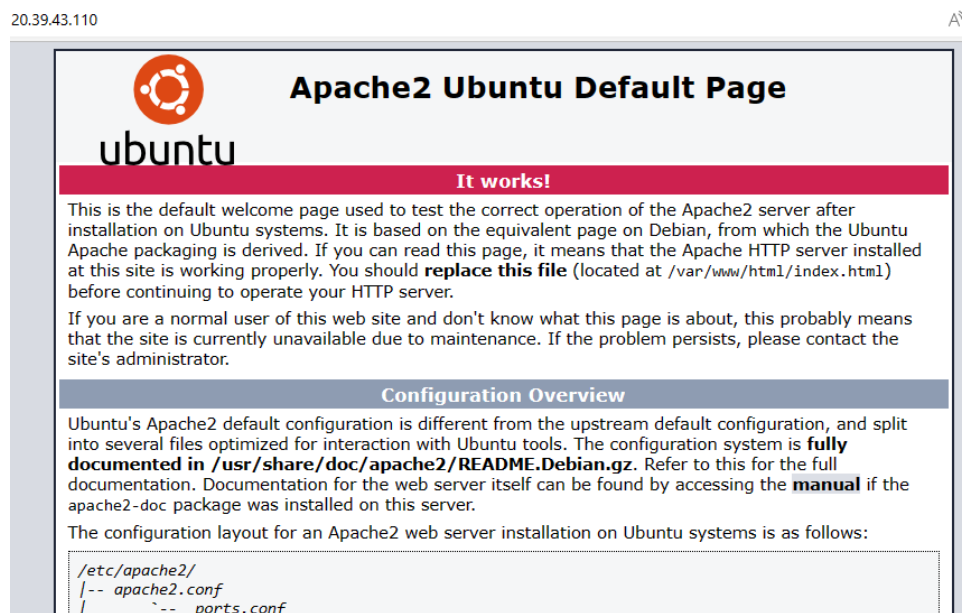
| Name | Type |
|----------------|------|
| [..] | |
| test | File |
| {1,...,10}.txt | File |

RESIZE (LINUX)

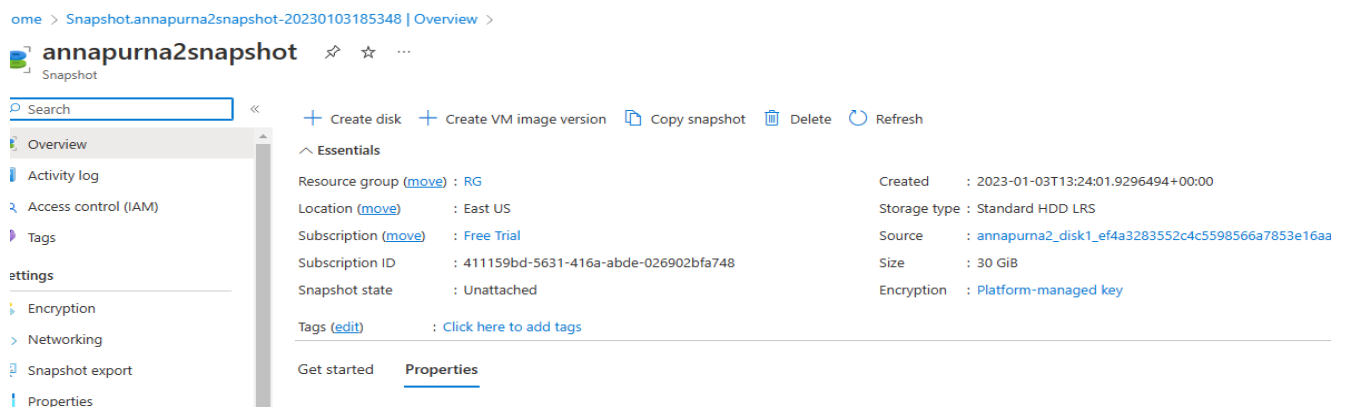
*CREATE VIRTUAL MISSION



*VM IS CONNECT TO WEB



*create a snapshot on disk of VM



*create disk on the snapshot of VM

annapurna2disk

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-85e3daed7f79
Resource group: [venigandlang](#)

Deployment details

| Resource | Type | Status | Operation details |
|---------------------|------------------------------|----------|-----------------------------------|
| annapurna | Microsoft.Compute/virtual... | NotFound | Operation details |
| annapurna708 | Microsoft.Network/network... | Created | Operation details |
| venigandlangvnet783 | Microsoft.Network/virtual... | OK | Operation details |
| annapurna-nsg | Microsoft.Network/network... | OK | Operation details |
| annapurna-ip | Microsoft.Network/public... | OK | Operation details |

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INTERNAL DNS

* create resource group

*create a Vnet

Virtual networks

Default Directory

+ Create Manage view < > ...

Filter for any field...

Name ↑↓

ANNAPURNA ...

ANNAPURNA | Subnets

Virtual network

Search << + Subnet + Gateway subnet Refresh Manage users Delete

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Search subnets

| Name ↑↓ | IPv4 ↑↓ | IPv6 ↑↓ | Available IPs ↑↓ | D |
|---------|-------------|---------|------------------|---|
| subnet1 | 10.0.0.0/24 | - | 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**

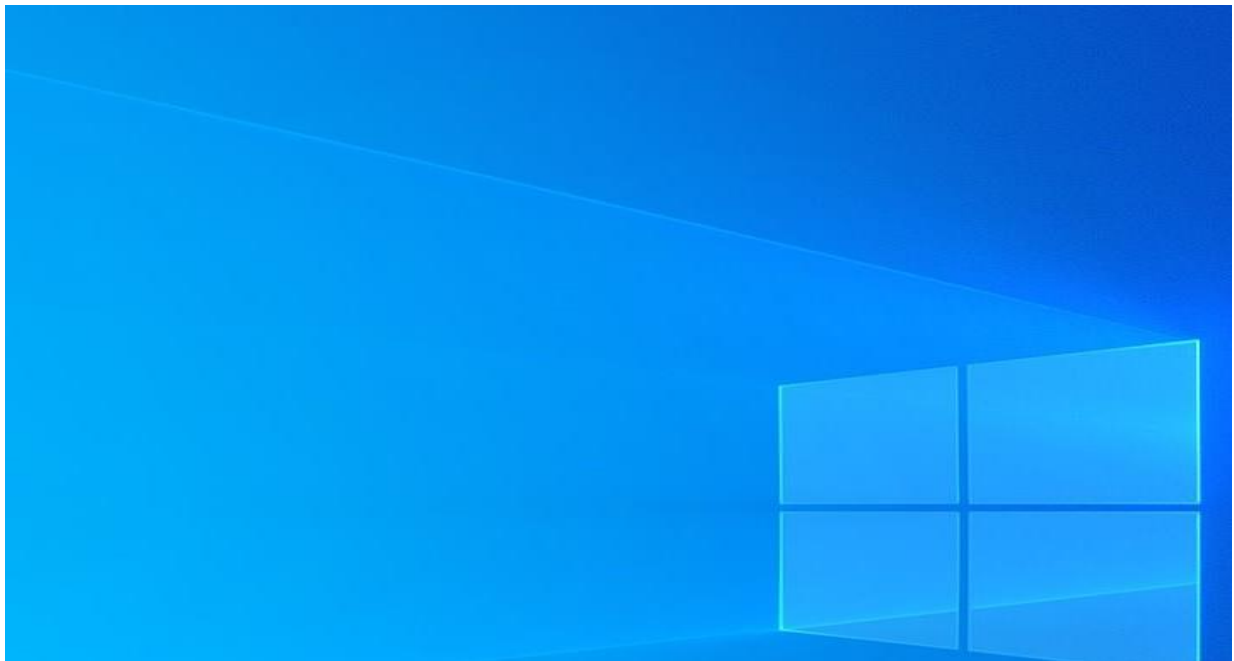
Resource group equals **all** X

Location equals **all** X

[+ 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 .