

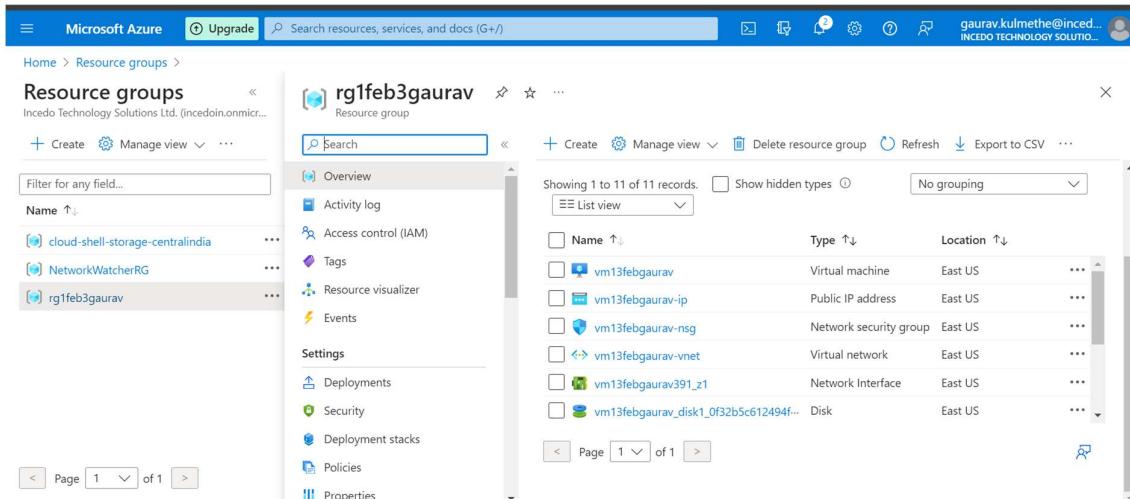
Daily Activity Report

Submitted By – Gaurav Kulmethe

Date 22-01-2024

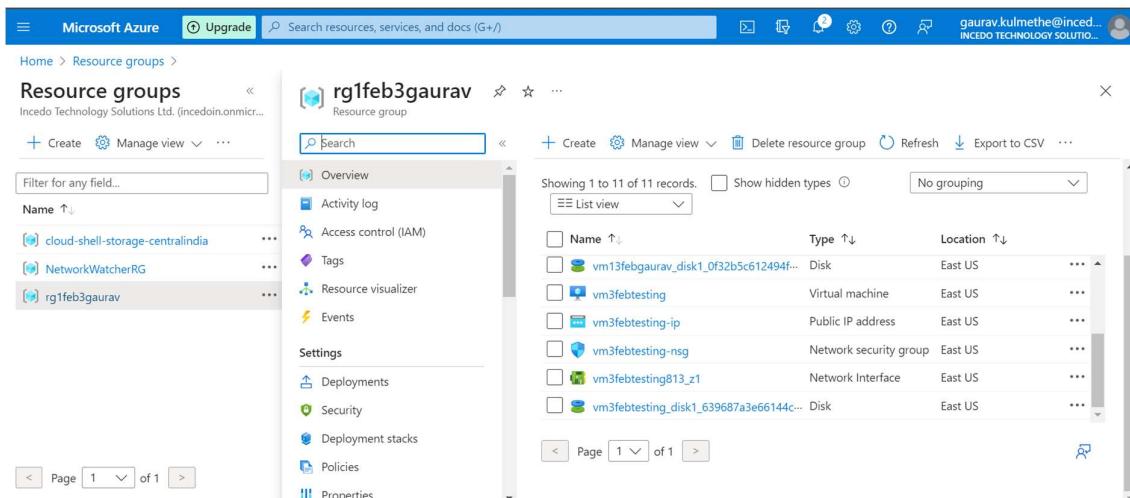
Creating vm and ssh vm

1. Resource group



The screenshot shows the Microsoft Azure Resource Groups page for the resource group 'rg1feb3gaurav'. The left sidebar lists other resource groups: 'cloud-shell-storage-centralindia', 'NetworkWatcherRG', and 'rg1feb3gaurav'. The main pane displays a table of resources with columns for Name, Type, and Location. All resources are located in East US.

Name	Type	Location
vm13febgaurav	Virtual machine	East US
vm13febgaurav-ip	Public IP address	East US
vm13febgaurav-nsq	Network security group	East US
vm13febgaurav-vnet	Virtual network	East US
vm13febgaurav391_z1	Network Interface	East US
vm13febgaurav_disk1_0f32b5c612494f...	Disk	East US



The screenshot shows the Microsoft Azure Resource Groups page for the resource group 'rg1feb3gaurav'. The left sidebar lists other resource groups: 'cloud-shell-storage-centralindia', 'NetworkWatcherRG', and 'rg1feb3gaurav'. The main pane displays a table of resources with columns for Name, Type, and Location. All resources are located in East US.

Name	Type	Location
vm13febgaurav_disk1_0f32b5c612494f...	Disk	East US
vm3febtesting	Virtual machine	East US
vm3febtesting-ip	Public IP address	East US
vm3febtesting-nsq	Network security group	East US
vm3febtesting813_z1	Network Interface	East US
vm3febtesting_disk1_639687a3e66144c...	Disk	East US

2. 1st vm machine

The screenshot shows the Microsoft Azure Virtual Machines dashboard. On the left, a list of virtual machines includes 'vm13febgaurav' and 'vm3febtesting'. The right side shows the details for 'vm13febgaurav', which is running in the 'Standard B1s' size, located in East US (Zone 1), with a public IP address of 20.106.174.80. It is connected to the 'Incedo Azure Training' subscription and has a Standard B1s (1 vcpu, 1 GiB memory) configuration.

3. 2nd VM machine

The screenshot shows the Microsoft Azure Virtual Machines dashboard. On the left, a list of virtual machines includes 'vm13febgaurav' and 'vm3febtesting'. The right side shows the details for 'vm3febtesting', which is running in the 'Standard B1s' size, located in East US (Zone 1), with a public IP address of 20.106.174.96. It is connected to the 'Incedo Azure Training' subscription and has a Standard B1s (1 vcpu, 1 GiB memory) configuration.

Microsoft Azure [Upgrade](#) [Search resources, services, and docs \(G+\)](#)

Home > Virtual machines [...](#)

Inedo Technology Solutions Ltd. (inedoit.onmicrosoft.com)

[Create](#) [Switch to classic](#) [Reservations](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#) [Start](#) [Restart](#) [Stop](#) [...](#)

Filter for any field... [Subscription equals all](#) [Type equals all](#) [Resource group equals all](#) [X](#) [Location equals all](#) [X](#) [Add filter](#)

Showing 1 to 2 of 2 records.

<input type="checkbox"/> Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system ↑↓	Size ↑↓
<input type="checkbox"/>  vm13febgaurav	Virtual machine	Inedo Azure Training	rg1feb3gaurav	East US	Running	Linux	Standard_B1s
<input type="checkbox"/>  vm3febtesting	Virtual machine	Inedo Azure Training	rg1feb3gaurav	East US	Running	Linux	Standard_B1s

< Previous Page 1 of 1 Next > [Give feedback](#)

```
azureuser@vm13febgaurav:~ Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

C:\Users\gaurav.kulmethe>ssh azureuser@20.106.174.80
The authenticity of host '20.106.174.80 (20.106.174.80)' can't be established.
ECDSA key fingerprint is SHA256:bxHxViZvyy0IR8g9kdhy9YjTk0tMArbdHPSwjG0yV4E.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.106.174.80' (ECDSA) to the list of known hosts.
azureuser@20.106.174.80's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1054-azure x86_64)

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

System information as of Sat Feb 3 18:41:43 UTC 2024

System load: 0.15 Processes: 105
Usage of /: 5.2% of 28.89GB Users logged in: 0
Memory usage: 32% IPv4 address for eth0: 10.0.0.4
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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.
```

```
azureuser@vm13febgaurav: ~
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.

azureuser@vm13febgaurav:~$ sudo su
root@vm13febgaurav:/home/azureuser# exit
exit
azureuser@vm13febgaurav:~$ ls
azureuser@vm13febgaurav:~$ sudo su
root@vm13febgaurav:/home/azureuser# ls
root@vm13febgaurav:/home/azureuser# mkdir test
root@vm13febgaurav:/home/azureuser# ls
test
root@vm13febgaurav:/home/azureuser# cd test
root@vm13febgaurav:/home/azureuser/test# cd ..
cd: : command not found
root@vm13febgaurav:/home/azureuser/test# cd ..
cd: : command not found
root@vm13febgaurav:/home/azureuser/test# root
Command 'root' not found, but can be installed with:
snap install root-framework

root@vm13febgaurav:/home/azureuser/test# exit
exit
azureuser@vm13febgaurav:~$ ssh azureuser@20.106.174.96
The authenticity of host '20.106.174.96' (20.106.174.96) can't be established.
ECDSA key fingerprint is SHA256:mm96y/XgvnXXIBAiifagbXoapObzmziCOKRN8B8Rtc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.106.174.96' (ECDSA) to the list of known hosts.
azureuser@20.106.174.96's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1054-azure x86_64)

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

System information as of Sat Feb  3 19:00:22 UTC 2024

System load: 0.0          Processes:      104
Usage of /: 5.4% of 28.89GB   Users logged in:  1
Memory usage: 33%           IPv4 address for eth0: 10.0.0.5
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sat Feb  3 18:51:38 2024 from 49.36.56.161
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@vm13febgaurav:~$ ls
azureuser@vm13febgaurav:~$ mkdir test
azureuser@vm13febgaurav:~$ ls
```

```
azureuser@vm13febgaurav: ~
root@vm13febgaurav:/home/azureuser/test# exit
exit
azureuser@vm13febgaurav:~$ ssh azureuser@20.106.174.96
The authenticity of host '20.106.174.96' (20.106.174.96) can't be established.
ECDSA key fingerprint is SHA256:mm96y/XgvnXXIBAiifagbXoapObzmziCOKRN8B8Rtc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.106.174.96' (ECDSA) to the list of known hosts.
azureuser@20.106.174.96's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1054-azure x86_64)

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

System information as of Sat Feb  3 19:00:22 UTC 2024

System load: 0.0          Processes:      104
Usage of /: 5.4% of 28.89GB   Users logged in:  1
Memory usage: 33%           IPv4 address for eth0: 10.0.0.5
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sat Feb  3 18:51:38 2024 from 49.36.56.161
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@vm13febgaurav:~$ ls
azureuser@vm13febgaurav:~$ mkdir test
azureuser@vm13febgaurav:~$ ls
```

```
azureuser@vm13febaurav: ~
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sat Feb  3 18:51:38 2024 from 49.36.56.161
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

azureuser@vm3febtesting:~$ ls
azureuser@vm3febtesting:~$ mkdir test
azureuser@vm3febtesting:~$ ls
test
azureuser@vm3febtesting:~$ exit
logout
Connection to 20.106.174.96 closed.
azureuser@vm13febaurav:~$ ping 20.106.174.96
PING 20.106.174.96 (20.106.174.96) 56(84) bytes of data.
'C
--- 20.106.174.96 ping statistics ---
158 packets transmitted, 0 received, 100% packet loss, time 160758ms

azureuser@vm13febaurav:~$
```

4. 2nd vm testing

```
C:\Users\gaurav.kulmethe>ssh azureuser@20.106.174.96
(c) Microsoft Corporation. All rights reserved.

The authenticity of host '20.106.174.96 (20.106.174.96)' can't be established.
ECDSA key fingerprint is SHA256:m96y/XgvnXXIBAifafgbXQaObzmiCOMNE83Brtc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.106.174.96' (EDSA) to the list of known hosts.
azureuser@20.106.174.96's password:
Welcome to Ubuntu 22.04.6 LTS (GNU/Linux 5.15.0-1054-azure x86_64)

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

System information as of Sat Feb  3 18:51:35 UTC 2024

System load: 0.1      Processes:          107
Usage of /: 5.2% of 28.89GB  Users logged in:     0
Memory usage: 33%           IPv4 address for eth0: 10.0.0.5
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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.

azureuser@vm3febtesting:~$
```

```

azureuser@vm3febttesting: ~
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1054-azure x86_64)

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

System information as of Sat Feb 3 18:51:35 UTC 2024

System load: 0.1 Processes: 107
Usage of /: 5.2% of 28.89GB Users logged in: 0
Memory usage: 33% IPv4 address for eth0: 10.0.0.5
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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.

azureuser@vm3febttesting:~$ ping 20.106.174.80
PING 20.106.174.80 (20.106.174.80) 56(84) bytes of data.
^C
--- 20.106.174.80 ping statistics ---
00 packets transmitted, 0 received, 100% packet loss, time 19463ms

```

Date 23-01-2024

Task – Create database and database server and connect with thedbeaver

1. Resource Group

The screenshot shows the Azure portal's Resource Groups blade for the 'rg23jangaurav' group. The left sidebar lists three resources: 'cloud-shell-storage-centralindia', 'NetworkWatcherRG', and 'rg23jangaurav'. The 'rg23jangaurav' resource is currently selected. The main pane displays the 'Essentials' section, which includes a table of resources:

Name	Type	Location
db23jangaurav (serv23jangaurav/db23jan...)	SQL database	East US
serv23jangaurav	SQL server	East US

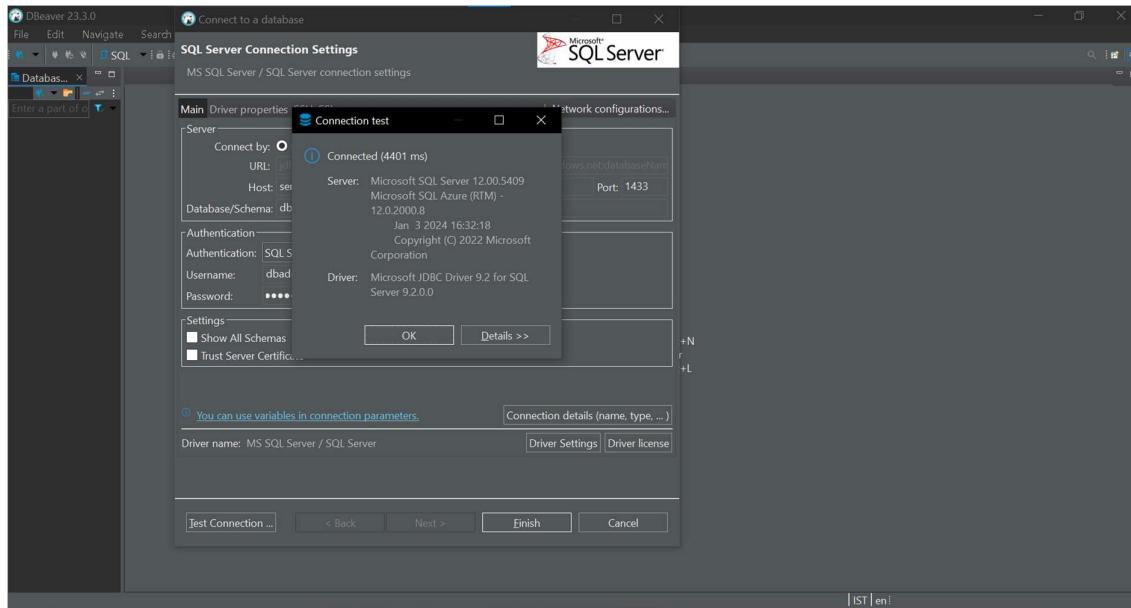
2. SQL Database Server

The screenshot shows the Azure portal interface for a SQL server named 'serv23jangaurav'. The top navigation bar includes 'Home', 'Resource groups', 'rg23jangaurav', and a search bar. Below the navigation is a header with icons for 'Create database', 'New elastic pool', 'New dedicated SQL pool (formerly SQL DW)', 'Import database', 'Reset password', 'Move', and '...'. The main content area has a left sidebar with 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Quick start', 'Diagnose and solve problems', 'Settings' (including Microsoft Entra ID, SQL databases, SQL elastic pools, DTU quota, and Properties), and 'Essentials' (Resource group, Status, Location, Subscription, Tags, Notifications, and Features). The 'Features' tab is selected, showing 6 items: Security (4), Performance (1), and Recovery (1). A 'JSON View' button is in the top right corner.

3. SQL Database

The screenshot shows the Azure portal interface for a SQL database named 'db23jangaurav' under the 'serv23jangaurav' server. The top navigation bar includes 'Microsoft Azure', 'Upgrade', 'Search resources, services, and docs (G+)', and a user profile. Below the navigation is a header with icons for 'Copy', 'Restore', 'Export', 'Set server firewall', 'Delete', 'Connect with...', and 'Feedback'. The main content area has a left sidebar with 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Query editor (preview)', 'Settings' (Compute + storage, Connection strings, Properties, Locks), 'Data management', and 'Replicas'. The 'Getting started' tab is selected, followed by 'Monitoring', 'Properties', 'Features', 'Notifications (0)', 'Integrations', and 'Tutorials'. The 'Essentials' section on the right displays details such as Resource group, Status, Location, Subscription, Tags, Server name (serv23jangaurav.database.windows.net), Connection strings, Pricing tier (General Purpose - Serverless: Gen5, 1 vCore), Auto-pause delay (1 hour), and Earliest restore point (No restore point available).

4. Connecting to dbeaver



5. Creating Table inside database

```
CREATE TABLE employees (
    employee_id INT PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    email VARCHAR(100),
    hire_date DATE,
    department_id INT,
    salary DECIMAL(10, 2)
);
```

The screenshot shows the DBVisualizer interface with a SQL Editor window. The code entered is:

```
CREATE TABLE employees (
    employee_id INT PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    email VARCHAR(100),
    hire_date DATE,
    department_id INT,
    salary DECIMAL(10, 2)
);
```

The results pane shows the statistics for the query:

Name	Value
Updated Rows	0
Query	CREATE TABLE employees (employee_id INT PRIMARY KEY, first_name VARCHAR(50), last_name VARCHAR(50), email VARCHAR(100), hire_date DATE, department_id INT, salary DECIMAL(10, 2))

Properties for employees

Table Name: employees ID: 1525580473

Object description (comment): Type: U

Columns

Column Name	#	Type	Length	Scale	Precision	Not Null	Identity	Default	Collation	Description
employee_id	1	int	4		10	[v]	[]			SQL_Latin1_General_CI_AS
first_name	2	varchar	50			[]	[]			SQL_Latin1_General_CI_AS
last_name	3	varchar	50			[]	[]			SQL_Latin1_General_CI_AS
email	4	varchar	100			[]	[]			SQL_Latin1_General_CI_AS
hire_date	5	date	3		10	[]	[]			
department_id	6	int	4		10	[]	[]			
salary	7	decimal	9	2	10	[]	[]			

Date 24-01-2024

Task - Data containerization in cloud

```

Requesting a Cloud Shell.Succeeded.
Connecting terminal...

gaurav [ ~ ]$ ssh azureuser@20.127.226.143
azureuser@20.127.226.143's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1053-azure x86_64)

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

System information as of Wed Jan 24 10:24:27 UTC 2024

System load: 0.05      Users logged in:          0
Usage of /: 6.8% of 28.89GB   IPv4 address for br-a8f9b3a6f1d2: 172.18.0.1
Memory usage: 2%        IPv4 address for docker0:    172.17.0.1
Swap usage:  0%         IPv4 address for eth0:     10.0.0.4
Processes:   149

Expanded Security Maintenance for Applications is not enabled.

31 updates can be applied immediately.
18 of these updates are standard security updates.

```

```
System load: 0.05      Users logged in: 0
Usage of /: 6.8% of 28.89GB  IPv4 address for br-a8f9b3a6f1d2: 172.18.0.1
Memory usage: 2%        IPv4 address for docker0: 172.17.0.1
Swap usage: 0%          IPv4 address for eth0: 10.0.0.4
Processes: 149

Expanded Security Maintenance for Applications is not enabled.

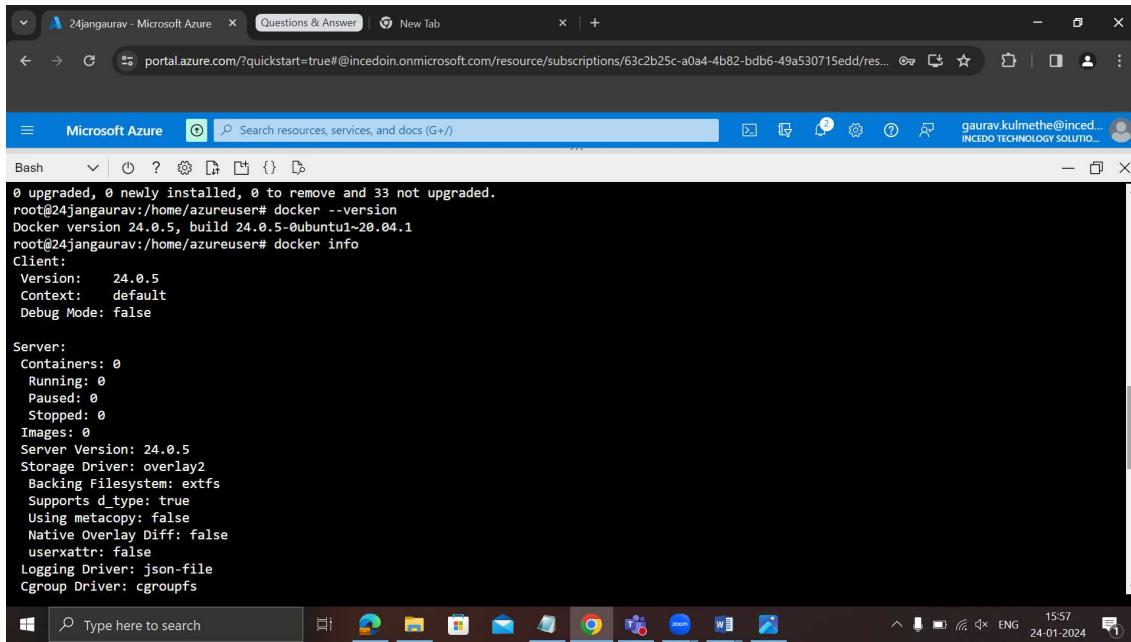
31 updates can be applied immediately.
18 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

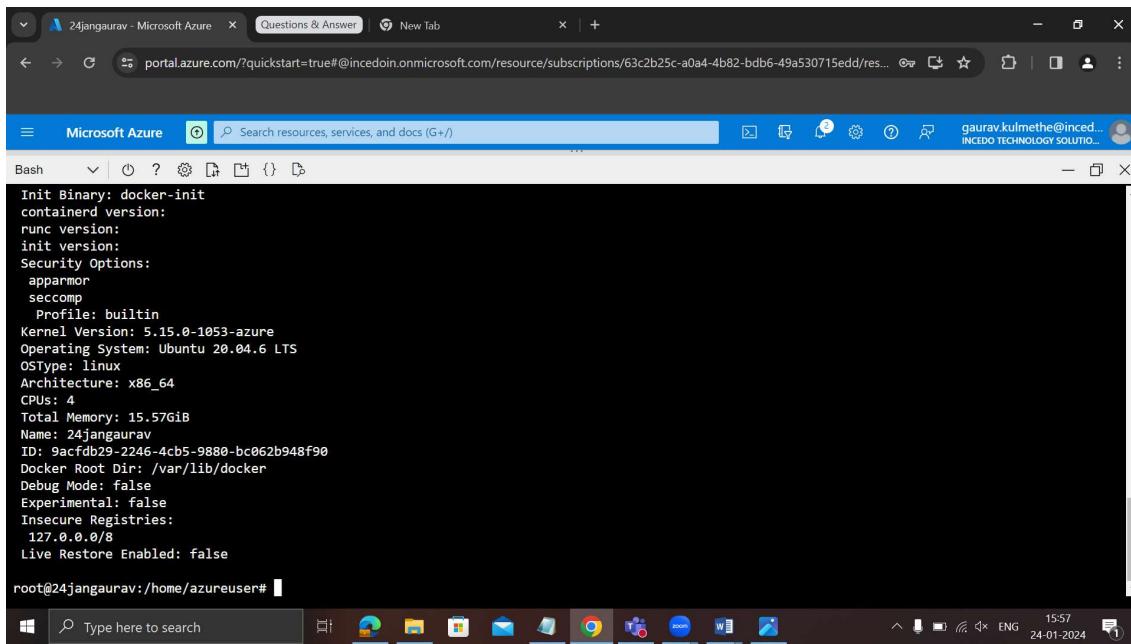
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Wed Jan 24 09:54:34 2024 from 20.219.236.152
azureuser@24jangaurav:~$ sudo su
root@24jangaurav:/home/azureuser#
```

```
Last login: Wed Jan 24 09:54:34 2024 from 20.219.236.152
azureuser@24jangaurav:~$ sudo su
root@24jangaurav:/home/azureuser# apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
Get:5 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [3030 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [2585 kB]
Get:7 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1155 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [26.1 kB]
Fetched 6910 kB in 2s (4393 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
33 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@24jangaurav:/home/azureuser# apt install docker.io -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
docker.io is already the newest version (24.0.5-0ubuntu1~20.04.1).
0 upgraded, 0 newly installed, 0 to remove and 33 not upgraded.
root@24jangaurav:/home/azureuser#
```



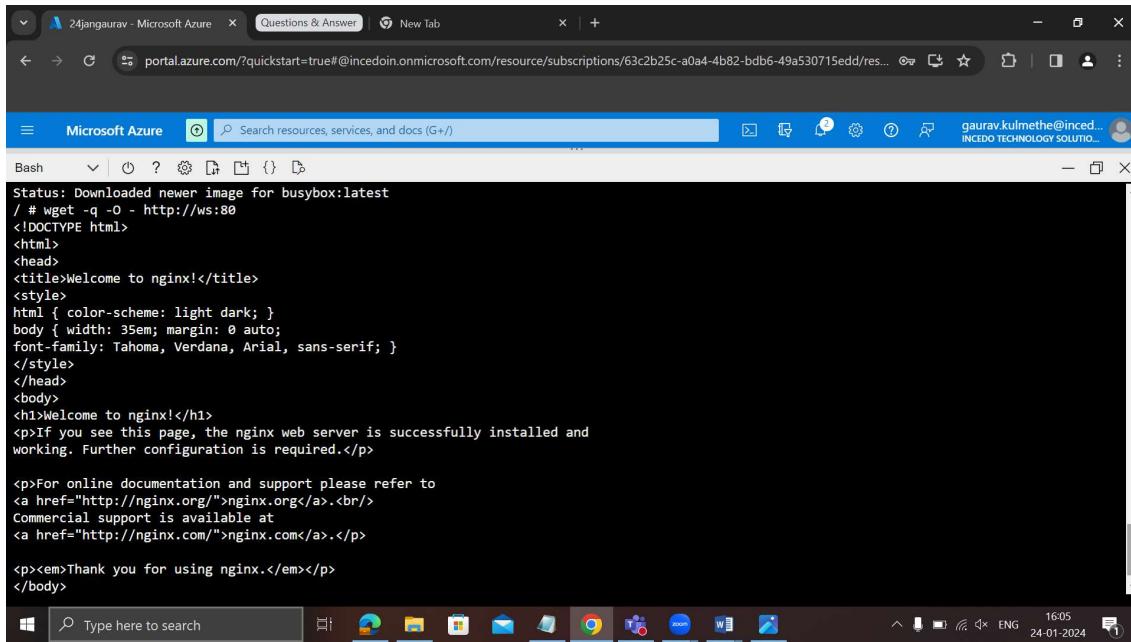
```
0 upgraded, 0 newly installed, 0 to remove and 33 not upgraded.  
root@24jangaurav:/home/azureuser# docker --version  
Docker version 24.0.5, build 24.0.5-ubuntu1~20.04.1  
root@24jangaurav:/home/azureuser# docker info  
Client:  
  Version: 24.0.5  
  Context: default  
  Debug Mode: false  
  
Server:  
  Containers: 0  
    Running: 0  
    Paused: 0  
    Stopped: 0  
  Images: 0  
    Server Version: 24.0.5  
  Storage Driver: overlay2  
    Backing Filesystem: extfs  
    Supports d_type: true  
    Using metacopy: false  
    Native Overlay Diff: false  
    userxattr: false  
    Logging Driver: json-file  
    Cgroup Driver: cgroupfs
```



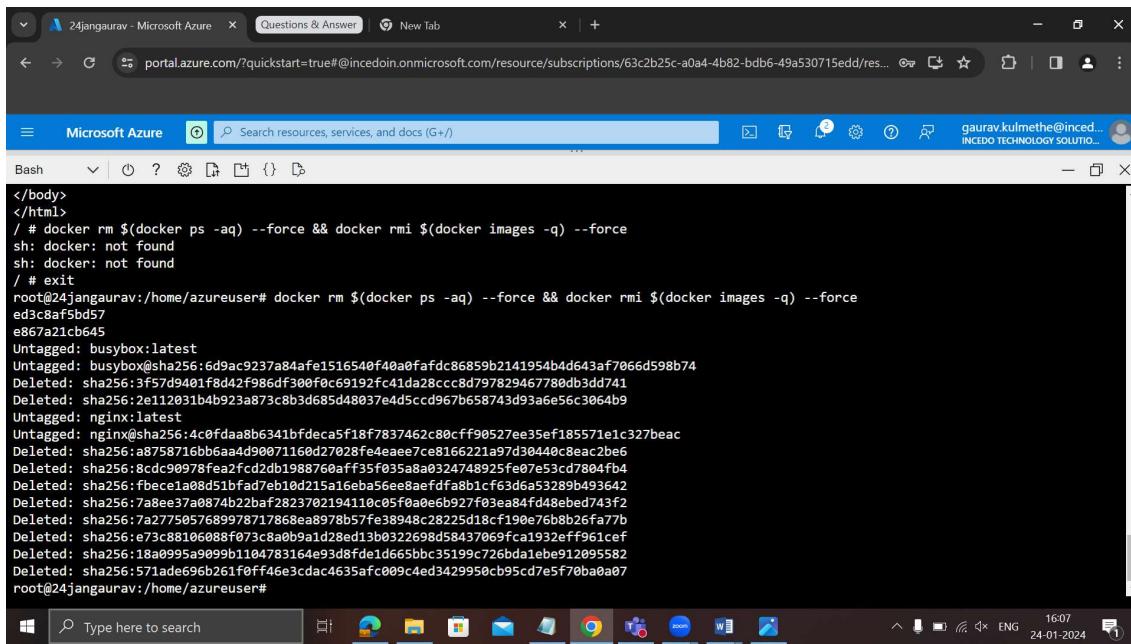
```
Init Binary: docker-init  
containerd version:  
runc version:  
init version:  
Security Options:  
  apparmor  
  seccomp  
  Profile: builtin  
Kernel Version: 5.15.0-1053-azure  
Operating System: Ubuntu 20.04.6 LTS  
OSType: linux  
Architecture: x86_64  
CPUs: 4  
Total Memory: 15.57GiB  
Name: 24jangaurav  
ID: 9acfdb29-2246-4cb5-9880-bc062b948f90  
Docker Root Dir: /var/lib/docker  
Debug Mode: false  
Experimental: false  
Insecure Registries:  
  127.0.0.0/8  
Live Restore Enabled: false  
root@24jangaurav:/home/azureuser#
```

```
root@24jangaurav:/home/azureuser# docker network create gaurav
c63000a0ea9132d580f42c20c4376fd4df7627f3b7c7ee00610ec62affdc9b9
root@24jangaurav:/home/azureuser# docker network ls
NETWORK ID      NAME      DRIVER      SCOPE
2cae84ee/ffrd   bridge    bridge    local
c63000a0ea91   gaurav    bridge    local
db138f7635e2   host      host      local
9604e9ebc1c8   none      null     local
a8f9b3a6f1d2   nw       bridge    local
root@24jangaurav:/home/azureuser# docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
root@24jangaurav:/home/azureuser# docker pull nginx:latest
latest: Pulling from library/nginx
2f44b7a888fa: Pull complete
8b7dd3ed1dc3: Pull complete
35497dd96569: Pull complete
36664b6ce66b: Pull complete
2d455521f76c: Pull complete
dc9c4fdb83d6: Pull complete
8056d2bcf3b6: Pull complete
Digest: sha256:4c0fdaa8b6341bfdeca5f18f7837462c80cff90527ee35ef185571e1c327beac
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
```

```
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
root@24jangaurav:/home/azureuser# docker run -rm --net nw --name ws -d nginx:latestunkown shorthand flag: 'r' in -rm
See 'docker run --help'.
root@24jangaurav:/home/azureuser# docker run --rm --net nw --name ws -d nginx:latest
e867a21cb645c663cb7d857df7ffcf799e46faef714039c673acd47bb9ba8ece
root@24jangaurav:/home/azureuser# docker ps
CONTAINER ID      IMAGE      COMMAND      CREATED      STATUS      PORTS      NAMES
e867a21cb645      nginx:latest      "/docker-entrypoint..."      9 seconds ago      Up 8 seconds      80/tcp      ws
root@24jangaurav:/home/azureuser# export $CID=e867a21cb645
bash: export: =e867a21cb645: not a valid identifier
root@24jangaurav:/home/azureuser# export CID=e867a21cb645
root@24jangaurav:/home/azureuser# docker inspect $CID | grep IPAddress
  "SecondaryIPAddresses": null,
  "IPAddress": "",
  "IPAddress": "172.18.0.2",
root@24jangaurav:/home/azureuser# export WSIP=172.18.0.2
root@24jangaurav:/home/azureuser# docker run --net nw -it busybox sh
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
9ad6333e9c9: Pull complete
Digest: sha256:6d9ac9237a84afe1516540f40a0fafdc86859b2141954b4d643af7066d598b74
Status: Downloaded newer image for busybox:latest
/ #
```



```
Status: Downloaded newer image for busybox:latest
/ # wget -q -O - http://ws:80
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
<p>For online documentation and support please refer to
<a href="http://nginx.org/">http://nginx.org/.<br/>
Commercial support is available at
<a href="http://nginx.com/">http://nginx.com/.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
```



```
</body>
</html>
/ # docker rm $(docker ps -aq) --force && docker rmi $(docker images -q) --force
sh: docker: not found
sh: docker: not found
/ # exit
root@24jangaurav:/home/azureuser# docker rm $(docker ps -aq) --force && docker rmi $(docker images -q) --force
ed3c8af5bd57
e867a21cb645
Untagged: busybox:latest
Untagged: busybox@sha256:6d9ac9237a84afe1516540f40a0fafdc86859b2141954b4d643af7066d598b74
Deleted: sha256:3f57d9401f8d42f986df300f0c69192fc41da28cc8d797829467780db3dd741
Deleted: sha256:2e112031b4b923a873c8b3d685d48037e4d5cc967b658743d93a6e56c3064b9
Untagged: nginx:latest
Untagged: nginx@sha256:4c0fdaa8b6341bfdeca5f18f7837462c80cff90527ee35ef185571e1c327beac
Deleted: sha256:a8758716bb6aa4d96071160d27028fe4aeefce8166221a97d3b440c8eac2b6
Deleted: sha256:8cdc90978fea2fcfd2db1988760aff35f035aab0324748925fe07e53cd7804fb4
Deleted: sha256:fbec1ea08d51bfad7eb10d215a16eba56ee8aeffdab81cf63d6a53289b493642
Deleted: sha256:7a8ee37a0874b22bafe2823702194110c05f0a0e6eb927f03ea84fd48bebed743f2
Deleted: sha256:7a2775057689978717868e48978b57fe38948c28225d18cf190e76b8b26fa77b
Deleted: sha256:e73c88106088f073c8a09a1d28ed13b0322698d58437069fca1932eff961cef
Deleted: sha256:18a0995a999b1104783164e93d8fde1d665bbc35199c726bd1be912095582
Deleted: sha256:571ade696b261ff46e3dac4635afc009c4ed3429950cb95cd7ef70ba0a07
root@24jangaurav:/home/azureuser#
```

```

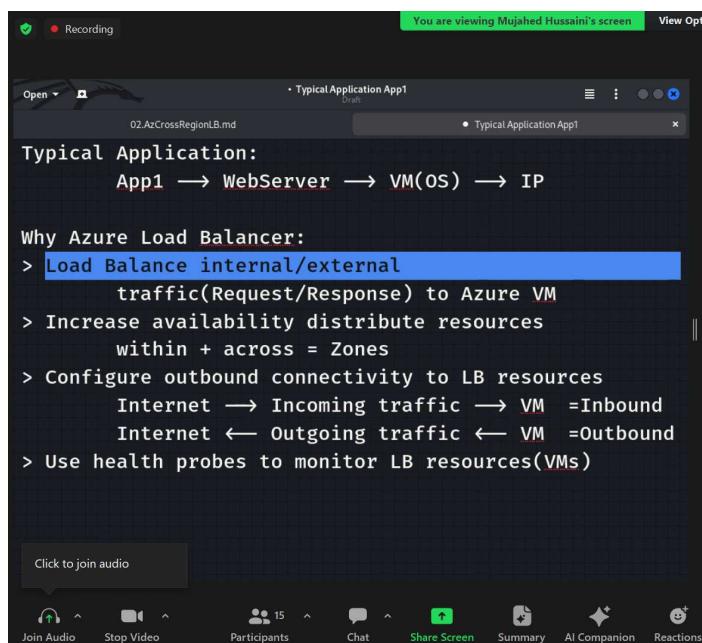
/ # exit
root@24jangaurav:/home/azureuser# docker rm $(docker ps -aq) --force && docker rmi $(docker images -q) --force
ed3c8af5bd57
e867a21cb645
Untagged: busybox:latest
Untagged: busybox@sha256:5d9ac9237a84fe1516540f40a0fadc86859b2141954b4d643af7066d598b74
Deleted: sha256:3f57d9481f8d42f986df300f0c69192fc41da28cccd8797829467780db3dd741
Deleted: sha256:2e112031b4b923a873c8b3d685d48037e4d5cc967b658743d93a6e56c3064b9
Untagged: nginx:latest
Untagged: nginx@sha256:4c0fdcaa8b6341bfdeca5f18f7837462c80cff90527ee35ef185571e1c327beac
Deleted: sha256:a8758716bb6aa4d90071160d27028fe4aeae7ce8166221a97d38440c8eac2be6
Deleted: sha256:8cdc90978fea2fc2db1988760aff35f035aab0324748925fe07e53cd7804fb4
Deleted: sha256:fbece1a08d51bfad7eb10d215a16eba56ee8afefffa8b1cf63d6a53289b493642
Deleted: sha256:7a8ee37a0874b22bf2823702194110c05f0a0e6b927f03ea84fd48bed743f2
Deleted: sha256:7a277505689978717868ea978b57fe38948c28225d18cf190e76b8b26fa77b
Deleted: sha256:e73c88106988f073c8a0b9a1d28ed13b032698d58437069fca1932eff961cef
Deleted: sha256:18a0995a9099b1104783164e93d8fde1d665bbc35199c27bda1ebe912095582
Deleted: sha256:571ade696b261f0ff46e3dc4635afc009c4ed3429950cb95cd7e5f70ba0a07
root@24jangaurav:/home/azureuser# exit
exit
azureuser@24jangaurav:~$ exit
logout
Connection to 20.127.226.143 closed.
gaurav [ ~ ]$ 

```

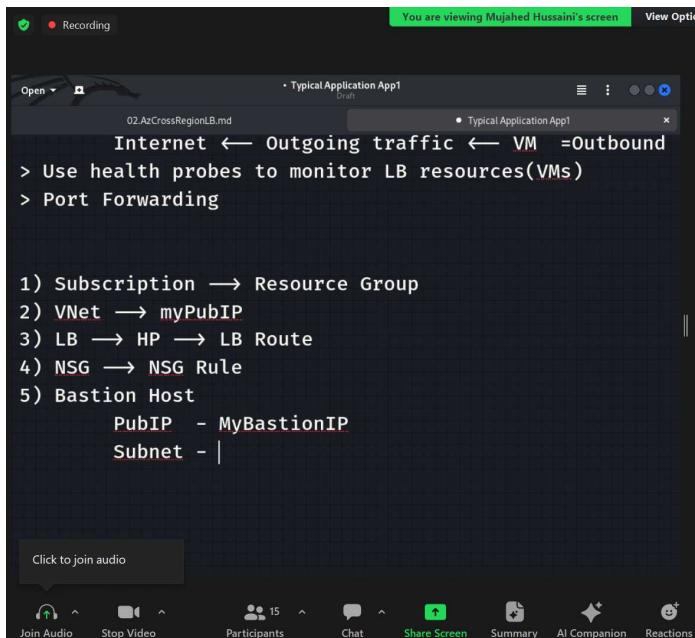
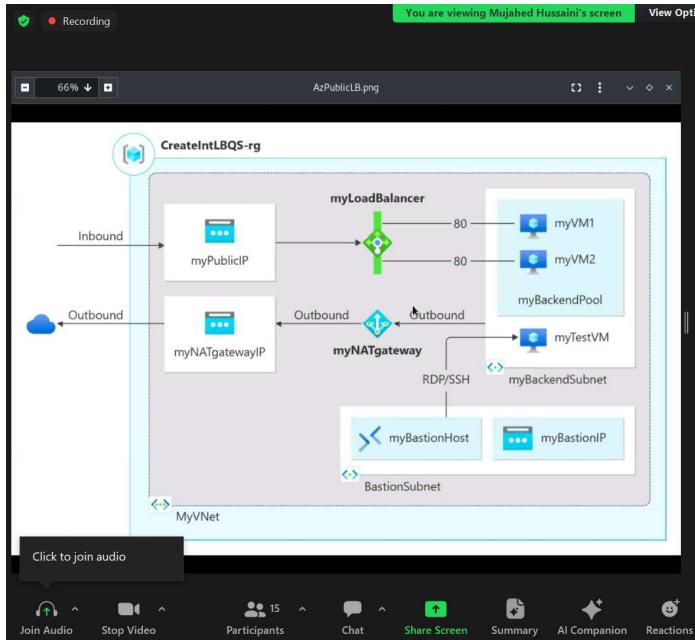
Date 25-01-2024

Worked on Project of OTP Based authenticated app for learner and trainer

Azure load balancer dt. 29-01-2024

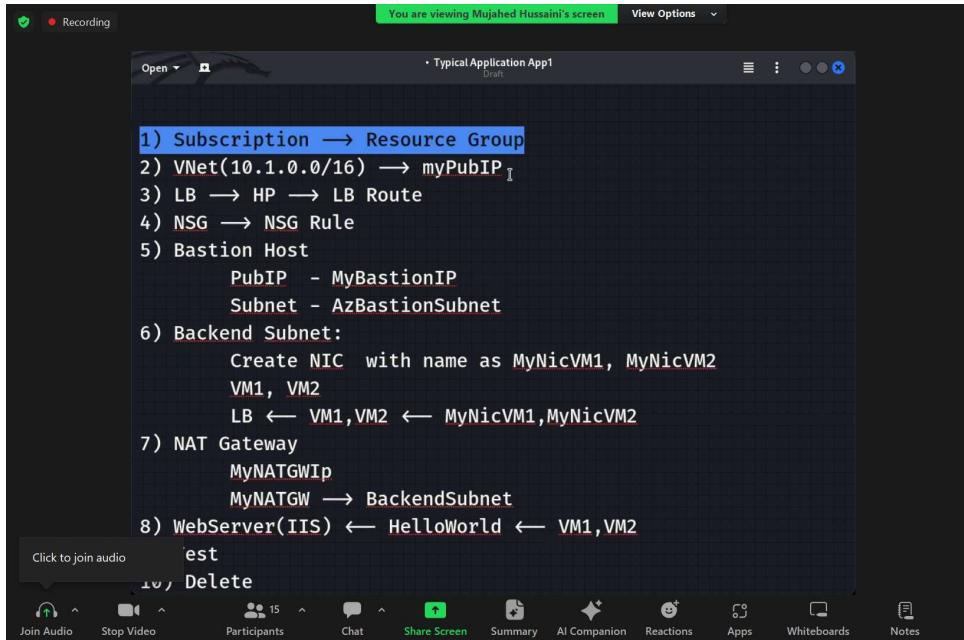
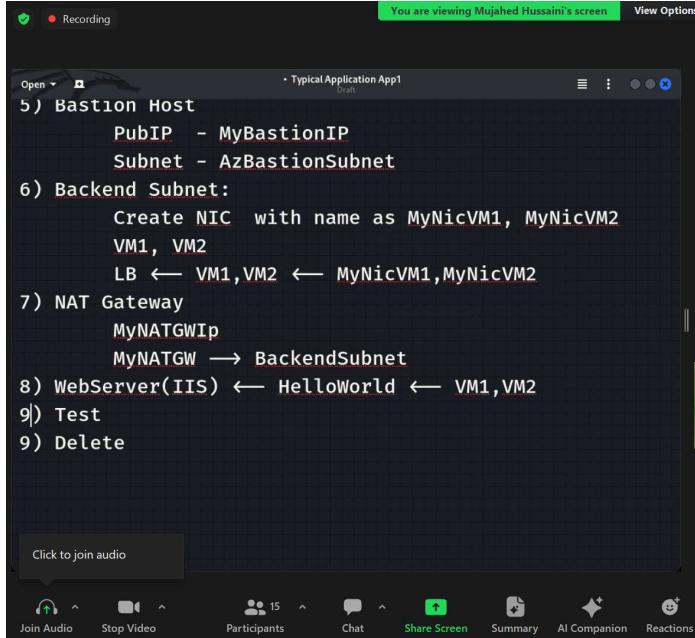


Inbound traffic – incoming traffic
outbound traffic – outgoing traffic



NAT – use for complete network

NIC – use for within the virtual machine



```

# az group create \
    --name CreatePubLBQS-rg \
    --location eastus
2) VNet(10.1.0.0/16) —> myPubIP
    # az network vnet create \
        --resource-group CreatePubLBQS-rg \
        --location eastus \
        --name myVNet \
        --address-prefixes 10.1.0.0/16 \
        --subnet-name myBackendSubnet \
        --subnet-prefixes 10.1.0.0/24

Full CIDR Block: 10.1.0.0/26
Network Type: 10.1.0.
IPv4 : X.X.X.X = 8.8.8.8 = 32 - 26 =2^6 = 64
Start IP Address: 10.1.0.0
End IP Address : 10.1.0.63

Full CIDR Block: 10.1.0.0/28
Network Type: 10.1.0.
IPv4 : X.X.X.X = 8.8.8.8 = 32 - 28 =2^4 = 16
Start IP Address: 10.1.0.0
End IP Address : 10.1.0.15

```

Health probe didn't work on port number 443 https due to security concern

1. Commands To Follow

```

az network lb create \
    --resource-group CreatePubLBQS-rg \
    --name mylbaurav \
    --sku Standard \
    --public-ip-address myPublicIP \
    --frontend-ip-name myFrontEnd \
    --backend-pool-name myBackEndPool

```

```

az network lb probe create \
    --resource-group CreatePubLBQS-rg \
    --lb-name mylbaurav \
    --name myHealthProbe \
    --protocol tcp \
    --port 80

```

```
az network lb rule create \
    --resource-group CreatePubLBQS-rg \
    --lb-name mylbgaurav \
    --name myHTTPRule \
    --protocol tcp --frontend-port 80 \
    --backend-port 80 \
    --frontend-ip-name myFrontEnd \
    --backend-pool-name myBackEndPool \
    --probe-name myHealthProbe \
    --disable-outbound-snat true \
    --idle-timeout 15 --enable-tcp-reset true
```

```
az network public-ip create --resource-group CreatePubLBQS-rg --name myBastionIP --sku Standard -
-zone 1 2 3
```

```
az network vnet subnet create \
    --resource-group CreatePubLBQS-rg \
    --name AzureBastionSubnet \
    --vnet-name myVNet \
    --address-prefixes 10.1.1.0/27
```

```
az network bastion create \
    --resource-group CreatePubLBQS-rg \
    --name myBastionHost \
    --public-ip-address myBastionIP \
    --vnet-name myVNet \
    --location eastus
```

```
Admin password – Localhost@1234567  
array=(myNicVM1 myNicVM2)  
for vmnic in "${array[@]}"  
do  
az network nic create \  
--resource-group CreatePubLBQS-rg \  
--name $vmnic \  
--vnet-name myVNet \  
--subnet myBackEndSubnet \  
--network-security-group myNSG  
done
```

```
az vm create \  
--resource-group CreatePubLBQS-rg \  
--name myVM1 \  
--nics myNicVM1 \  
--image win2019datacenter \  
--admin-username azureuser \  
--zone 1 --no-wait
```

```
az vm create \  
--resource-group CreatePubLBQS-rg \  
--name myVM2 \  
--nics myNicVM2 \  
--image win2019datacenter \  
--admin-username azureuser \  
--zone 2 --no-wait
```

```
array=(myNicVM1 myNicVM2)
```

```

for vmnic in "${array[@]}"
do
    az network nic ip-config address-pool add \
        --address-pool myBackendPool \
        --ip-config-name ipconfig1 \
        --nic-name $vmnic \
        --resource-group CreatePubLBQS-rg \
        --lb-name myLBMujahed

done

az network public-ip create \
    --resource-group CreatePubLBQS-rg \
    --name myNATgatewayIP \
    --sku Standard \
    --zone 1 2 3

az network nat gateway create \
    --resource-group CreatePubLBQS-rg \
    --name myNATgateway \
    --public-ip-addresses myNATgatewayIP \
    --idle-timeout 10

az network vnet subnet update \
    --resource-group CreatePubLBQS-rg \
    --vnet-name myVNet \
    --name myBackendSubnet \
    --nat-gateway myNATgateway

array=(myVM1 myVM2)
for vm in "${array[@]}"
do
    az vm extension set \

```

```
--publisher Microsoft.Compute \
--version 1.8 --name CustomScriptExtension \
--vm-name $vm --resource-group CreatePubLBQS-rg \
--settings '{"commandToExecute":"powershell Add-WindowsFeature Web-Server; powershell Add-Content -Path \"C:\\inetpub\\wwwroot\\Default.htm\" -Value $($env:computername)"}'
done
```

change name of default to your name eg Gaurav

```
gaurav [ ~ ]$ array=(myVM1 myVM2)
for vm in "${array[@]}"
do
    az vm extension set \
        --publisher Microsoft.Compute \
        --version 1.8 --name CustomScriptExtension \
        --vm-name $vm --resource-group CreatePubLBQS-rg \
        --settings '{"commandToExecute":"powershell Add-WindowsFeature Web-Server; powershell Add-Content -Path \"C:\\inetpub\\wwwroot\\gaurav.htm\" -Value $($env:computername)"}'
done
```

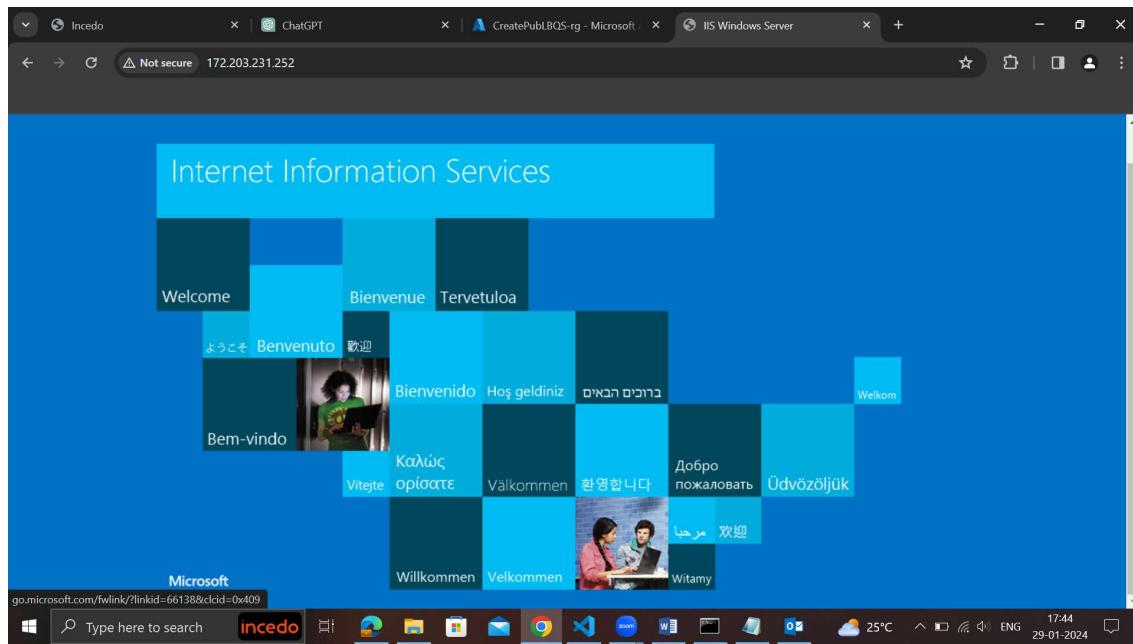
```
gaurav [ ~ ]$ array=(myVM1 myVM2)
for vm in "${array[@]}"
do
    az vm extension set \
        --publisher Microsoft.Compute \
        --version 1.8 --name CustomScriptExtension \
        --vm-name $vm --resource-group CreatePubLBQS-rg \
        --settings '{"commandToExecute":"powershell Add-WindowsFeature Web-Server; powershell Add-Content -Path \"C:\\inetpub\\wwwroot\\gaurav.htm\" -Value $($env:computername)"}'
done
```

```

gaurav [ ~ ]$ array=(myVM1 myVM2)
for vm in "${array[@]}"
do
    az vm extension set \
        --publisher Microsoft.Compute \
        --version 1.8 --name CustomScriptExtension \
        --vm-name $vm --resource-group CreatePubLBQS-rg \
        --settings '{"commandToExecute":"powershell Add-WindowsFeature Web-Server; powershell Add-Content -Path \"C:\\inetpub\\wwwroot\\gaurav.htm\" -Value ${env:computername}"}'
done
{
    "autoUpgradeMinorVersion": true,
    "enableAutomaticUpgrade": null,
    "forceUpdateTag": null,
    "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/CreatePubLBQS-rg/providers/Microsoft.Compute/virtualMachines/myVM1/extensions/CustomScriptExtension",
    "instanceView": null,
    "location": "eastus",
    "name": "CustomScriptExtension",
    "protectedSettings": null,
    "protectedSettingsFromKeyVault": null,
    "provisionAfterExtensions": null,
    "provisioningState": "Succeeded",
    "publisher": "Microsoft.Compute",
    "resourceGroup": "CreatePubLBQS-rg",
}

```

The screenshot displays a Windows desktop environment. A central feature is a Cloud Shell terminal window titled 'Bash'. Inside the terminal, the command `az network public-ip show --resource-group CreatePubLBQS-rg --name myPublicIP --query ipAddress` is run, resulting in the output `172.203.231.252`. Above the terminal, the Microsoft Azure portal header is visible, showing the URL `portal.azure.com/#@incedo.inmicrosoft.com/resource/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/CreatePubLBQS-rg`. The desktop taskbar at the bottom includes icons for the Start button, File Explorer, Edge browser, Mail, and other system utilities. The system tray shows the date as 29-01-2024, the time as 17:44, and the weather as 25°C.



The screenshot shows the Microsoft Azure portal with the following details:

- Address bar: portal.azure.com/#@incedoi.onmicrosoft.com/resource/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/CreatePubLBQS-rg
- Page title: CreatePubLBQS-rg
- Content: A table view of resources in the 'CreatePubLBQS-rg' resource group. The table has columns for Name, Type, and Location. The data is as follows:

Name	Type	Location
myBastionHost	Bastion	East US
myBastionIP	Public IP address	East US
mylbgaurav	Load balancer	East US
myNicVM1	Network Interface	East US
myNicVM2	Network Interface	East US
myNSG	Network security group	East US
mvPublicIP	Public IP address	East US

- Bottom navigation: Microsoft Edge search bar, taskbar with icons for File Explorer, File History, Task View, Start, Taskbar settings, and a system tray showing 25°C, ENG, 17:45, and 29-01-2024.

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'Resource groups' section under 'CreatePubLBQS-rg'. The left sidebar lists three resource groups: 'cloud-shell-storage-centralindia', 'CreatePubLBQS-rg', and 'NetworkWatcherRG'. The main content area displays a table of resources within 'CreatePubLBQS-rg'. The columns are 'Name', 'Type', and 'Location'. The resources listed are:

Name	Type	Location
myNSG	Network security group	East US
myPublicIP	Public IP address	East US
myVM1	Virtual machine	East US
myVM1_OsDisk_1_fc567e05f5374a7d9f1f848032e58b09	Disk	East US
myVM2	Virtual machine	East US
myVM2_OsDisk_1_308fa8169d8c4e5cb3ac9ce67a949877	Disk	East US
myVNet	Virtual network	East US

The screenshot shows a browser window with the URL '172.203.231.252'. The page content is minimal, displaying the text 'myVM2'.

The screenshot shows a Windows taskbar with several pinned icons, including File Explorer, Microsoft Edge, Mail, Photos, OneDrive, Task View, File History, Task Scheduler, and File Replication Service. The system tray shows the date as 29-01-2024 and the time as 17:49.

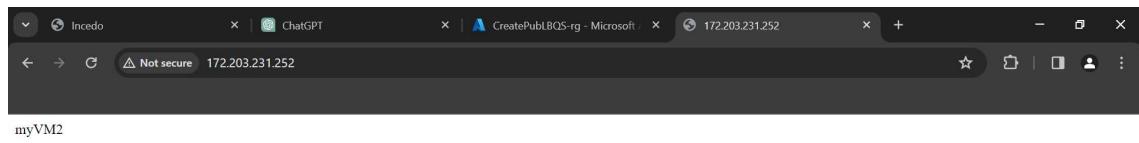
The screenshot shows the Microsoft Azure portal interface. The left sidebar displays 'Resource groups' with three items: 'cloud-shell-storage-centralindia', 'CreatePubLBQS-rg', and 'NetworkWatcherRG'. The main content area is titled 'CreatePubLBQS-rg' and shows a list of resources. The table has columns for Name, Type, and Location. The resources listed are:

Name	Type	Location
myBastionHost	Bastion	East US
myBastionIP	Public IP address	East US
mylbgaurav	Load balancer	East US
myNicVM1	Network Interface	East US
myNicVM2	Network Interface	East US
myNSG	Network security group	East US
mvPublicIP	Public IP address	East US

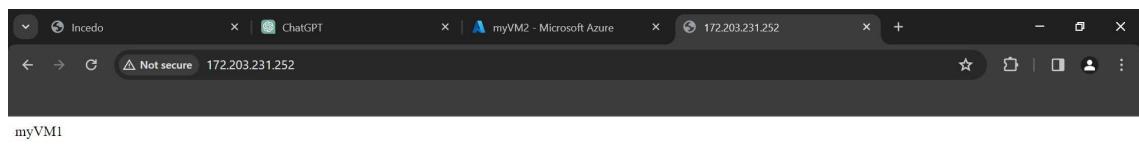
At the bottom of the browser window, the taskbar shows various pinned icons and the system tray indicates the date as 29-01-2024.

This screenshot is identical to the one above, showing the same Azure portal interface and resource group details. The only difference is the system tray at the bottom, which now shows the date as 29-01-2024.

After stopping vm1



After stopping vm2



<https://github.com/NubeEra-Samples/AzureServices>

dated 30-01-2023

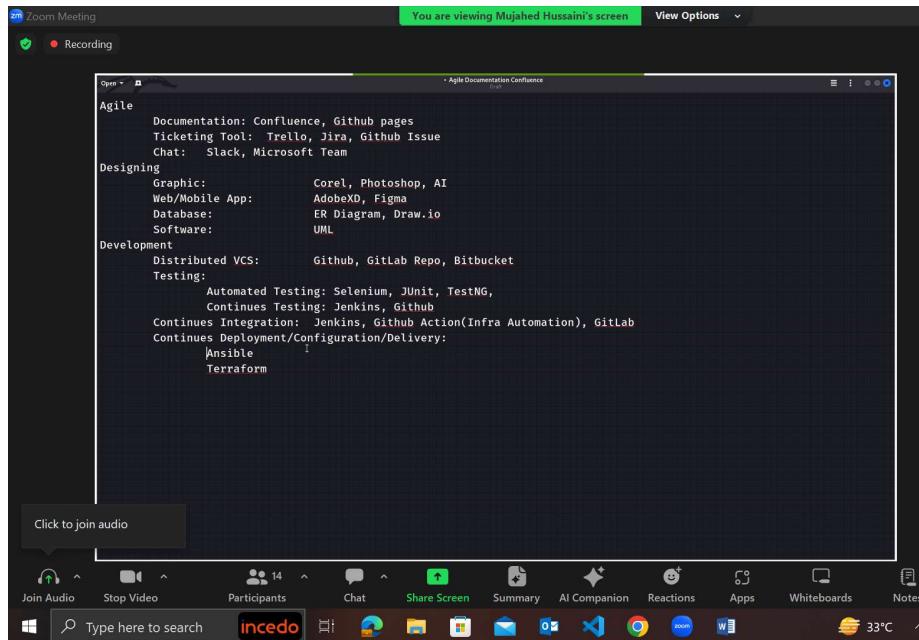
1. Project Work continued and learnt about agile methodologies and tool used industry.

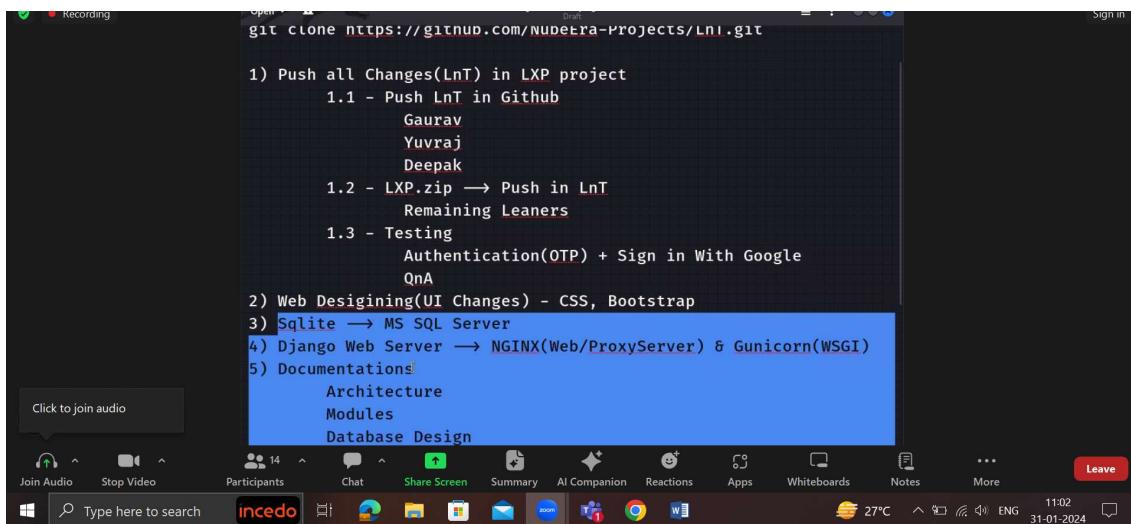
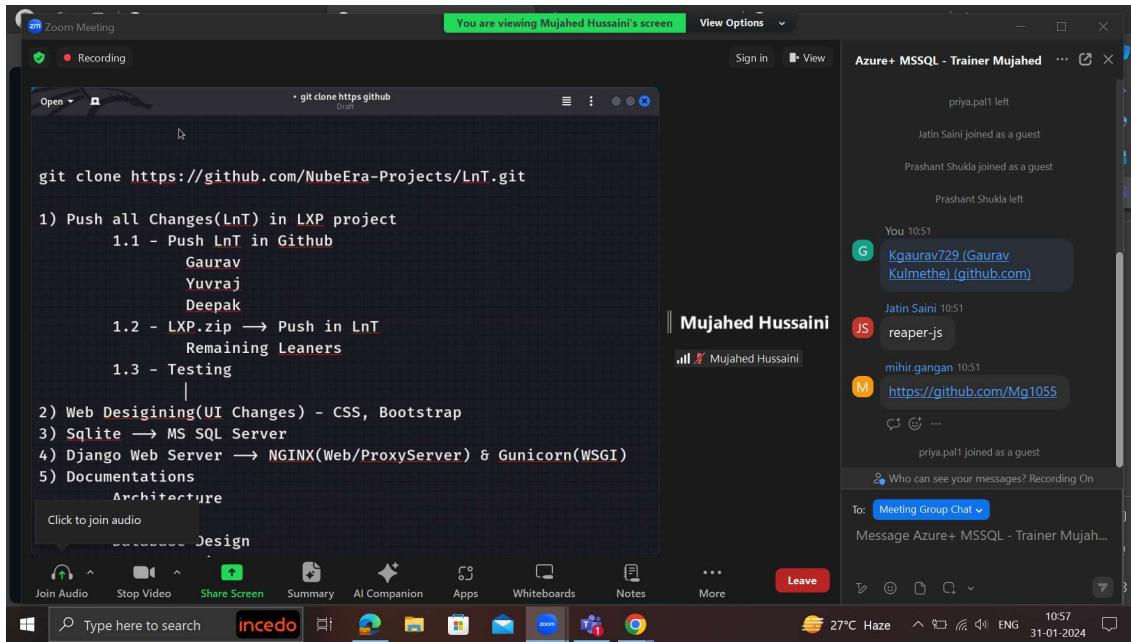
SAST

for agile paid tool jira

before jira, trello, integrate with version control system

how to work with the treelo ,jira ticketing categoroy tools





31st Jan 2024

1. Completed version 1 and explored version 2 of the project

ETL – Extract Transform Load 2feb 2024

1. Creating resource grp

Essentials

- Subscription (move) : [Inedo Azure Training](#)
- Subscription ID : 63c2b25c-a0a4-4b82-bdb6-49a530715edd
- Location : East US
- Deployments : 2 Succeeded

Resources

Name	Type	Location	...
zfebgaurav	Storage account	East US	...
adzf12febgaurav	Data factory (V2)	East US	...

2. Creating storage accounts

Essentials

- Resource group (move) : [rg12febgaurav](#)
- Location : eastus
- Subscription (move) : [Inedo Azure Training](#)
- Subscription ID : 63c2b25c-a0a4-4b82-bdb6-49a530715edd
- Disk state : Available
- Tags (edit) : Add tags

Properties

Setting	Value
Performance	Standard
Replication	Locally-redundant storage (LRS)
Account kind	StorageV2 (general purpose v2)
Provisioning state	Succeeded
Created	2/2/2024, 12:13:19 PM

Security

Setting	Value
Require secure transfer for REST API operations	Enabled
Storage account key access	Enabled
Minimum TLS version	Version 1.2
Infrastructure encryption	Disabled

Networking

Setting	Value
Allow access from	All networks
Number of private endpoint connections	0
Network routing	Microsoft network routing
Access for trusted Microsoft services	Yes
Endpoint type	Standard

3. Creating containers

The screenshot shows the 'Containers' blade in the Azure Storage account '2febgaurav'. The left sidebar contains navigation links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Data storage (Containers selected), File shares, Queues, Tables, Security + networking (Networking selected), Shared access signature, Encryption, Microsoft Defender for Cloud, Data management (Redundancy selected), and Data protection.

The main area displays a table of containers:

Name	Last modified	Anonymous access level	Lease state
Slogs	2/2/2024, 12:13:43 PM	Private	Available
input	2/2/2024, 12:15:14 PM	Private	Available
output	2/2/2024, 12:15:31 PM	Private	Available

4. Input container

The screenshot shows the 'input' container blade. The left sidebar contains navigation links for Overview, Diagnose and solve problems, Access Control (IAM), Settings (Shared access tokens selected), Manage ACL, Access policy, Properties, and Metadata.

The main area shows a table of blobs:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
Catalog_v2.csv	2/2/2024, 12:28:06 PM	Hot (Inferred)		Block blob	6.28 KiB	Available

5. Data factory

The screenshot shows the Azure Data Factory Studio interface. On the left, there's a navigation sidebar with various tabs like Overview, Activity log, Tags, Diagnose and solve problems, Settings, Getting started, Monitoring, Automation, Help, and Resource health. The main area has a title bar "Home > adf2febgaaurav > ...". Below it, the "Essentials" tab is selected, displaying resource details: Resource group (rg12febgaaurav), Status (Succeeded), Location (East US), Subscription (Inedo_Azure_Training), and Subscription ID (63c2b25c-a0a4-4b82-bdb6-49a530715edd). A "Delete" button is at the top right. To the right of the essentials, there's a "JSON View" link. The central part of the screen features a blue factory icon and the text "Azure Data Factory Studio". Below this are four cards: "Quick Starts" (with a factory icon), "Tutorials" (with a person icon), "Template Gallery" (with a document icon), and "Training Modules" (with a video camera icon). At the bottom, there's a "Launch studio" button. The "Monitoring" section below the cards displays three charts: "PipelineRuns" (values 100, 90, 80), "ActivityRuns" (values 100, 90, 80), and "TriggerRuns" (values 100, 90, 80).

6. Linked service

The screenshot shows the Azure Data Factory studio interface. The left sidebar includes tabs for General, Factory settings, Connections, Linked services (which is currently selected), Integration runtimes, Microsoft Purview, Source control, ARM template, Author, Triggers, Global parameters, Data flow libraries, Security, Credentials, Customer managed key, Outbound rules, Managed private endpoints, Workflow orchestration manager, and Apache Airflow. The main area shows the "Linked services" section with a heading "Linked service defines the connection information to a data store or compute. Learn more". It includes a "+ New" button, a "Filter by name" input field, and an "Annotations: Any" button. Below this, a table lists two items: "AzureDataLakeStorage1" (Type: Azure Data Lake Storage Gen2, Related: 1) and "AzureDataLakeStorage2" (Type: Azure Data Lake Storage Gen2, Related: 1). The table has columns for Name, Type, Related, and Annotations.

Microsoft Azure | Data Factory | adf2feb2gaurav

Factory Resources

- Pipelines: pipeline1
- Datasets: ds_input, ds_output
- Data flows: 0
- Power Query: 0

Activities

- Move and transform: Copy data
- Synapse: 0
- Azure Data Explorer: 0
- Batch Service: 0
- Databricks: 0
- Data Lake Analytics: 0
- General: 0
- HDInsight: 0
- Iteration & conditionals: 0
- Machine Learning: 0
- Power Query: 0

ds_input

Copy data

Copy data1

Source dataset: ds_input

File path type: File path in dataset

Start time (UTC):

End time (UTC):

Recursively:

Enable partitions discovery:

Max concurrent connections:

Skip line count:

7. Sink path

Microsoft Azure | Data Factory | adf2feb2gaurav

Factory Resources

- Pipelines: pipeline1
- Datasets: ds_input, ds_output
- Data flows: 0
- Power Query: 0

Activities

- Move and transform: Copy data
- Synapse: 0
- Azure Data Explorer: 0
- Batch Service: 0
- Databricks: 0
- Data Lake Analytics: 0
- General: 0
- HDInsight: 0
- Iteration & conditionals: 0
- Machine Learning: 0
- Power Query: 0

ds_input

Copy data

Copy data1

Sink dataset: ds_output

Copy behavior: Select...

Max concurrent connections:

Block size (MB):

Metadata: + New

Quote all text:

File extension: .txt

Max rows per file:

8. Dsinput

The screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' sidebar lists Pipelines (1), Datasets (2), and Data flows (0). Under Pipelines, 'pipeline1' is selected. Under Datasets, 'ds_input' is selected. The main workspace displays the 'ds_input' dataset configuration. The 'Connection' tab is active, showing the following settings:

- Linked service: AzureDataLakeStorage1
- File path: input / Catalog_v2.csv
- Compression type: Select...
- Column delimiter: Comma (,)
- Row delimiter: Default (\r\n, or \n\r)
- Encoding: Default(UTF-8)
- Quote character: Double quote (")
- Escape character: Backslash (\)
- First row as header:
- Null value:

9. Dsoutput

The screenshot shows the Microsoft Azure Data Factory interface. The 'Factory Resources' sidebar is identical to the previous screenshot. Under Pipelines, 'pipeline1' is selected. Under Datasets, 'ds_output' is selected. The main workspace displays the 'ds_output' dataset configuration. The 'Connection' tab is active, showing the following settings:

- Linked service: AzureDataLakeStorage2
- File path: output / File name
- Compression type: Select...
- Column delimiter: Comma (,)
- Row delimiter: Default (\r\n, or \n\r)
- Encoding: Default(UTF-8)
- Quote character: Double quote (")
- Escape character: Backslash (\)
- First row as header:
- Null value:

10. Output container

Microsoft Azure

Home > 2febgaurav | Containers >

output Container

Search

Upload Add Directory Refresh Rename Delete Change tier Acquire lease Break lease Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: output

Search blobs by prefix (case-sensitive)

Show deleted objects

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	...
Catalog_v2.csv	2/2/2024, 1:12:09 PM	Hot (Inferred)		Block blob	6.28 KB	Available	...

Settings

- Shared access tokens
- Manage ACL
- Access policy
- Properties
- Metadata

Copy data from Azure Blob storage to a database in Azure SQL Database by using Azure Data Factory

1. Run SQL Query to create table in the Database

Microsoft Azure

Home > db2febgaurav (db2febgauravserv/db2febgaurav) | Query editor (preview) ...

db2febgaurav (db2febgauravserv/db2febgaurav) | Query editor (preview)

SQL database

Search

Login New Query Open query Feedback Getting started

db2febgaurav (dbadmin)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Overview Activity log Tags Diagnose and solve problems Query editor (preview) Settings Compute + storage Connection strings Properties Locks Data management Replicas Sync to other databases Integrations Stream analytics (preview) Add Azure AI Search Power Platform Power BI Power Apps Power Automate Security Auditing

Query 1:

Run Cancel query Save query Export data as Show only Editor

```

1 CREATE TABLE dbo.emp
2 (
3     ID int IDENTITY(1,1) NOT NULL,
4     FirstName varchar(50),
5     LastName varchar(50)
6 )
7 GO
8
9 CREATE CLUSTERED INDEX IX_emp_ID ON dbo.emp (ID);

```

Results Messages

Query succeeded: Affected rows: 0

Query succeeded | 1s

2. Resource Group

The screenshot shows the Microsoft Azure Resource Groups page for the 'rg2febgaurav' group. The left sidebar lists resources: 'cloud-shell-storage-centralindia', 'NetworkWatcherRG', and 'rg2febgaurav'. The main area displays the 'Overview' tab for 'rg2febgaurav', showing a summary of the subscription (Subscription ID: 63c2b25c-a0a4-4b82-bdb6-49a530715edd), deployment status (Deployments: 3 Succeeded), and location (East US). Below this, the 'Resources' section lists four items: 'db2febgaurav' (SQL database, East US), 'db3febgaurav' (SQL server, East US), 'df2febgaurav' (Data factory (V2), East US), and 'str2febgaurav' (Storage account, East US). A 'Give feedback' link is at the bottom right.

3. Storage account

The screenshot shows the Microsoft Azure Storage account settings for 'str2febgaurav'. The left sidebar includes sections like Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Data storage (Containers, File shares, Queues, Tables), Security + networking (Networking, Access keys, Shared access signature, Encryption, Microsoft Defender for Cloud), and Data management (Redundancy, Data protection). The main area shows the 'Essentials' tab with resource group (rg2febgaurav), location (eastus), subscription (Inedo Azure Training), and disk state (Available). The 'Properties' tab is selected, displaying detailed settings for Data Lake Storage (Hierarchical namespace: Enabled, Default access tier: Hot, Blob anonymous access: Disabled, Blob soft delete: Enabled (7 days), Container soft delete: Enabled (7 days), Versioning: Disabled, Change feed: Disabled, NFS v3: Disabled, SFTP: Disabled) and File service (Large file share: Disabled, Identity-based access: Not configured, Default share-level permissions: Disabled, Soft delete: Enabled (7 days), Share resiliency: 5 TiB). The 'Security' tab shows requirements for REST API operations (Enabled), storage account key access (Enabled), minimum TLS version (Version 1.2), and infrastructure encryption (Disabled). The 'Networking' tab shows allow access from all networks, 0 private endpoint connections, Microsoft network routing, access for trusted Microsoft services (Yes), and standard endpoint type.

4. Database server

db2febgaurvserver

Essentials

- Status: Available
- Location: East US
- Subscription (m0ev): Inedo Azure Training
- Subscription ID: 63c2b25c-a0a4-4b82-bdb6-49a530715edd
- Tags (edit): Add tags

Features (6)

- Microsoft Extra admin**: NOT CONFIGURED
- Microsoft Defender for SQL**: NOT CONFIGURED
- Automatic tuning**: CONFIGURED
- Auditing**: NOT CONFIGURED
- Failover groups**: NOT CONFIGURED
- Transparent data encryption**: SERVICE-MANAGED KEY

Available resources

Name	Type	Status	Pricing tier
db2febgaurv	SQL database	Online	General Purpose - Serverless: Standard-series (Gen5), 1 vCore

5. Database

db2febgaurvserver

Essentials

- Status: Available
- Location: East US
- Subscription (m0ev): Inedo Azure Training
- Subscription ID: 63c2b25c-a0a4-4b82-bdb6-49a530715edd
- Tags (edit): Add tags

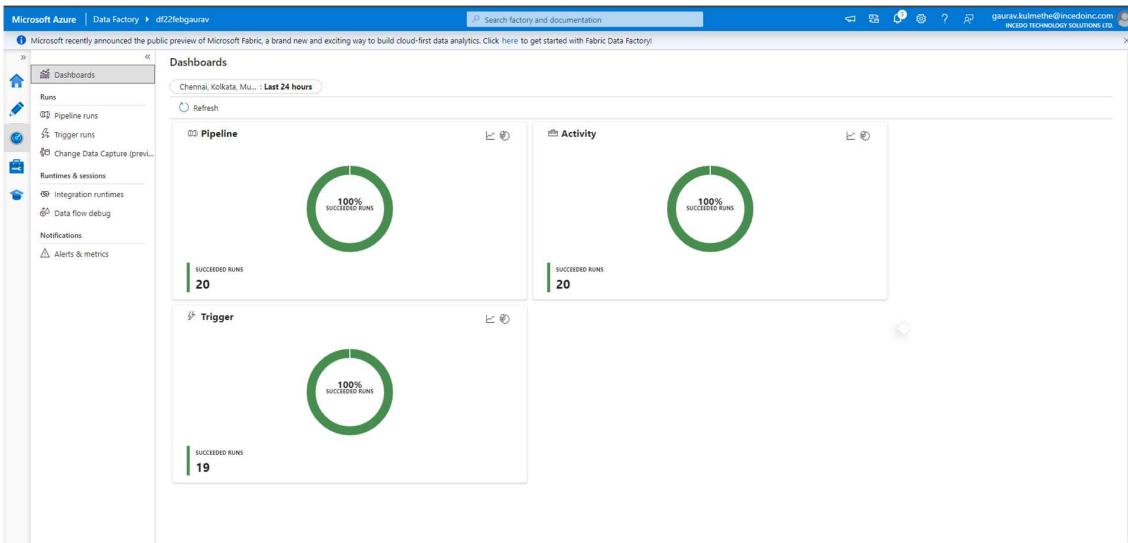
Features (6)

- Microsoft Extra admin**: NOT CONFIGURED
- Microsoft Defender for SQL**: NOT CONFIGURED
- Automatic tuning**: CONFIGURED
- Auditing**: NOT CONFIGURED
- Failover groups**: NOT CONFIGURED
- Transparent data encryption**: SERVICE-MANAGED KEY

Available resources

Name	Type	Status	Pricing tier
db2febgaurv	SQL database	Online	General Purpose - Serverless: Standard-series (Gen5), 1 vCore

6. Datafactory dashboard



7. Triggered runs

Pipeline runs									
Triggered Debug Runas Cancel options Refresh Edit columns List Gantt									
Filter by run ID or name Chennai, Kolkata, Mu... Last 24 hours Pipeline name: All Status: All Runs: Latest runs Triggered by: All Add filter Copy filters Export to CSV									
Showing 1 - 26 items									
Pipeline name	Run start	Run end	Duration	Triggered by	Status	Run	Parameters	Annotations	Run ID
<input type="checkbox"/> CopyPipeline	2/2/2024, 6:04:00 PM	2/2/2024, 6:04:16 PM	17s	RunEveryMinute	✓ Succeeded	Original			3045f33b-c517-4153-ae3e-b3deef3c
<input type="checkbox"/> CopyPipeline	2/2/2024, 6:03:00 PM	2/2/2024, 6:03:17 PM	17s	RunEveryMinute	✓ Succeeded	Original			e26df18e-4a39-4d39-9e31-7c99d908
<input type="checkbox"/> CopyPipeline	2/2/2024, 6:02:00 PM	2/2/2024, 6:02:26 PM	26s	RunEveryMinute	✓ Succeeded	Original			1e5d51cc-2653-45f3-b7fd-29920848
<input type="checkbox"/> CopyPipeline	2/2/2024, 6:01:00 PM	2/2/2024, 6:01:34 PM	34s	RunEveryMinute	✓ Succeeded	Original			07c37f4c-15e4-4c07-b606-997f5614
<input type="checkbox"/> CopyPipeline	2/2/2024, 6:00:01 PM	2/2/2024, 6:00:24 PM	23s	RunEveryMinute	✓ Succeeded	Original			75150446-0392-4244-9802-cfa61af
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:59:00 PM	2/2/2024, 5:59:21 PM	21s	RunEveryMinute	✓ Succeeded	Original			31797b4c-21b5-444f-9999-b535f25a
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:58:00 PM	2/2/2024, 5:58:30 PM	31s	RunEveryMinute	✓ Succeeded	Original			8f0f0160-2038-499d-a24b-8f117e0fec
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:57:01 PM	2/2/2024, 5:57:17 PM	16s	RunEveryMinute	✓ Succeeded	Original			c14205ad-8904-4ca3-9e23-fbd83110
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:56:00 PM	2/2/2024, 5:56:34 PM	35s	RunEveryMinute	✓ Succeeded	Original			d4c80ff7-73b0-44c1-9ea9-39ab9d04
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:55:00 PM	2/2/2024, 5:55:16 PM	16s	RunEveryMinute	✓ Succeeded	Original			7d8ab94b-f0a8-4d0b-b383-e412393
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:54:00 PM	2/2/2024, 5:54:14 PM	15s	RunEveryMinute	✓ Succeeded	Original			d7ac3351-9737-4055-b33f-624313dc
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:53:01 PM	2/2/2024, 5:53:18 PM	18s	RunEveryMinute	✓ Succeeded	Original			b2350961-48c6-4698-b119-9c99e04
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:52:00 PM	2/2/2024, 5:52:14 PM	14s	RunEveryMinute	✓ Succeeded	Original			a3991ab-e00f-4f91-9745-2565ca38
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:51:00 PM	2/2/2024, 5:51:14 PM	15s	RunEveryMinute	✓ Succeeded	Original			f2894fe4-7133-49e0-92e-9676329c
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:50:01 PM	2/2/2024, 5:50:22 PM	21s	RunEveryMinute	✓ Succeeded	Original			11211452-6b8f-4d27-803f-fe9c1143
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:49:00 PM	2/2/2024, 5:49:17 PM	17s	RunEveryMinute	✓ Succeeded	Original			0334b00-6864-4557-41ba-7422345
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:48:00 PM	2/2/2024, 5:48:18 PM	19s	RunEveryMinute	✓ Succeeded	Original			d5501600-b5b4-478a-9b87-0eff1d71
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:47:00 PM	2/2/2024, 5:47:16 PM	17s	RunEveryMinute	✓ Succeeded	Original			95964531-3320-4c1a-b422-c9c23f4c
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:46:00 PM	2/2/2024, 5:46:14 PM	15s	RunEveryMinute	✓ Succeeded	Original			5d7a2020-f30e-4973-93bc-76d16d47
<input type="checkbox"/> CopyPipeline	2/2/2024, 5:45:01 PM	2/2/2024, 5:45:20 PM	20s	RunEveryMinute	✓ Succeeded	Original			3e4cd626-d4aa-4fed-a01e-c34e30b

8. Debug

The screenshot shows the Microsoft Azure Data Factory pipeline runs page. The left sidebar navigation includes 'Dashboards', 'Runs', 'Pipeline runs' (which is selected), 'Trigger runs', 'Change Data Capture (prev.)', 'Runtimes & sessions', 'Integration runtimes', 'Data flow debug', and 'Notifications'. The main content area displays a table titled 'Pipeline runs' with the following data:

Pipeline name	Run start	Run end	Duration	Status	Triggered by	Run ID	Parameters
CopyPipeline	2/2/2024, 5:05:30 PM	2/2/2024, 5:05:53 PM	23s	Succeeded	Manual trigger	e4e4670f-31b5-453a-b3e7-6ed7	

Filter options at the top include 'Triggered' (selected), 'Debug', 'Renew', 'Cancel options', 'Refresh', 'Edit columns', 'Link', 'Go to', 'Copy filters', and 'Export to CSV'. A status bar at the bottom indicates 'Last refreshed 0 minutes ago'.

9. Linked services

The screenshot shows the Microsoft Azure Data Factory linked services page. The left sidebar navigation includes 'General', 'Factory settings', 'Connections', 'Linked services' (which is selected), 'Integration runtimes', 'Microsoft Purview', 'Source control', 'Git configuration', 'ARM template', 'Author', 'Triggers', 'Global parameters', 'Data flow libraries', 'Security', 'Credentials', 'Customer managed key', 'Outbound rules', 'Managed private endpoints', 'Workflow orchestration manager', and 'Apache Airflow'. The main content area displays a table titled 'Linked services' with the following data:

Name	Type	Related	Annotations
AzureSQLDatabaseLinkedService	Azure SQL Database	1	
AzureStorageLinkedService	Azure Blob Storage	1	

Filter options at the top include 'Filter by name' and 'Annotations: Any'. A preview experience toggle switch is shown as 'Off'.

10. Output SQL Dataset

Microsoft Azure | Data Factory > df2febgaurav

Factory Resources

- Pipelines: 1
 - CopyPipeline
 - Change Data Capture (preview)
- Datasets: 2
 - OutputSqlDataset
 - SourceBlobDataset
- Data flows: 0
- Power Query: 0

CopyPipeline

OutputSqlDataset

Preview data

Azure SQL Database
Linked service: AzureSQLDatabaseLinkedService
Object: dbo.emp

	ID	FirstName	LastName
1	1	John	Doe
2	2	Jane	Doe
3	3	John	Doe
4	4	Jane	Doe
5	5	John	Doe
6	6	Jane	Doe
7	7	John	Doe
8	8	Jane	Doe
9	9	John	Doe
10	10	Jane	Doe

11. Sourceblobdatasets

Microsoft Azure | Data Factory > df2febgaurav

Factory Resources

- Pipelines: 1
 - CopyPipeline
 - Change Data Capture (preview)
- Datasets: 2
 - OutputSqlDataset
 - SourceBlobDataset
- Data flows: 0
- Power Query: 0

CopyPipeline

SourceBlobDataset

Preview data

DelimitedText
SourceBlobDataset

Linked service: AzureStorageLinkedService
Object: emp.txt

	FirstName	LastName
1	John	Doe
2	Jane	Doe

Connection Schema Par.

File path: emp.txt

Compression type: None

Column delimiter: ,

Row delimiter: \n

Encoding: UTF-8

Quote character: " (double quote)

Escape character: \ (backslash)

First row as header:

Null value:

Vnet to Vnet Connection dt.04-02-2024

```
gaurav [ ~ ]$ az group create --name rg4febgaurav --location eastus
{
  "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4febgaurav",
  "location": "eastus",
  "managedBy": null,
  "name": "rg4febgaurav",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
```

```

gaurav [ ~ ]$ az network vnet create \
--name Vnet1gaurav \
--resource-group rg4feb1gaurav \
--address-prefixes 10.0.0.0/16 \
--subnet-name Subnet1 \
--subnet-prefix 10.0.0.0/24
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "newVNet": {
    "addressSpace": {
      "addressPrefixes": [
        "10.0.0.0/16"
      ]
    }
  }
}

```

```

{
  "location": "eastus",
  "name": "Vnet1gaurav",
  "provisioningState": "Succeeded",
  "resourceGroup": "rg4feb1gaurav",
  "resourceGuid": "da9b1f7b-c54e-430e-b59b-ee939596bf3f",
  "subnets": [
    {
      "addressPrefix": "10.0.0.0/24",
      "delegations": [],
      "etag": "W/\"9abc953d-7aa3-43ab-a875-24817c0d096f\"",
      "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4feb1gaurav/providers/Microsoft.Network/virtualNetworks/Vnet1g
aurav/subnets/Subnet1",
      "name": "Subnet1",
      "privateEndpointNetworkPolicies": "Disabled",
      "privateLinkServiceNetworkPolicies": "Enabled",
      "provisioningState": "Succeeded",
      "resourceGroup": "rg4feb1gaurav",
      "type": "Microsoft.Network/virtualNetworks/subnets"
    }
  ],
  "type": "Microsoft.Network/virtualNetworks",
  "virtualNetworkPeerings": []
}
}

```

```

gaurav [ ~ ]$ az network vnet create \
--name Vnet2gaurav \
--resource-group rg4feb1gaurav \
--address-prefixes 10.1.0.0/16 \
--subnet-name Subnet1 \
--subnet-prefix 10.1.0.0/24
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "newVNet": {
    "addressSpace": {
      "addressPrefixes": [
        "10.1.0.0/16"
      ]
    },
    "enableDdosProtection": false,
    "etag": "W/\"cccf937e-08e8-49ce-9531-41b966b66b42\"",
    "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4feb1gaurav/providers/Microsoft.Network/virtualNetworks/Vnet2gaur
av",
    "location": "eastus",
    "name": "Vnet2gaurav",
    "provisioningState": "Succeeded",
    "resourceGroup": "rg4feb1gaurav",
    "resourceGuid": "b6a5927a-2e08-4012-a55d-c9d8a1429f39",
    "subnets": [

```

```

{
  "location": "eastus",
  "name": "Vnet2gaurav",
  "provisioningState": "Succeeded",
  "resourceGroup": "rg4feb1gaurav",
  "resourceGuid": "b6a5927a-2e08-4012-a55d-c9d8a1429f39",
  "subnets": [
    {
      "addressPrefix": "10.1.0.0/24",
      "delegations": [],
      "etag": "W/\"cccf937e-08e8-49ce-9531-41b966b66b42\"",
      "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4feb1gaurav/providers/Microsoft.Network/virtualNetworks/Vnet2g
aurav/subnets/Subnet1",
      "name": "Subnet1",
      "privateEndpointNetworkPolicies": "Disabled",
      "privateLinkServiceNetworkPolicies": "Enabled",
      "provisioningState": "Succeeded",
      "resourceGroup": "rg4feb1gaurav",
      "type": "Microsoft.Network/virtualNetworks/subnets"
    }
  ],
  "type": "Microsoft.Network/virtualNetworks",
  "virtualNetworkPeerings": []
}
}

```

```
[gaurav [ ~ ]$ vNet1Id=$(az network vnet show \
--resource-group rg4febgaurav \
--name Vnet1gaurav \
--query id --out tsv)
WARNING: Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
```

```
[gaurav [ ~ ]$ vNet2Id=$(az network vnet show \
--resource-group rg4febgaurav \
--name Vnet2gaurav \
--query id \
--out tsv)
WARNING: Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
```

```
[gaurav [ ~ ]$ az network vnet peering create \
--name Vnet1gaurav-Vnet2gaurav \
--resource-group rg4febgaurav \
--vnet-name Vnet1gaurav \
--remote-vnet $VNet2Id \
--allow-vnet-access
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "allowForwardedTraffic": false,
  "allowGatewayTransit": false,
  "allowVirtualNetworkAccess": true,
  "doNotVerifyRemoteGateways": false,
  "etag": "W/\"f2786b39-f228-48a8-8c44-cd4a9854c132"",
  "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4febgaurav/providers/Microsoft.Network/virtualNetworks/Vnet1gaurav/virtualNetworkPeerings/Vnet1gaurav-Vnet2gaurav",
  "name": "Vnet1gaurav-Vnet2gaurav",
  "peeringState": "Initiated",
  "peeringSyncLevel": "RemoteNotInSync",
  "provisioningState": "Succeeded",
  "remoteAddressSpace": {
    "addressPrefixes": [
      "10.1.0.0/16"
    ]
  },
}
```

```
[gaurav [ ~ ]$ az network vnet peering create \
--name Vnet2gaurav-Vnet1gaurav \
--resource-group rg4febgaurav \
--vnet-name Vnet2gaurav \
--remote-vnet $VNet1Id \
--allow-vnet-access
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "allowForwardedTraffic": false,
  "allowGatewayTransit": false,
  "allowVirtualNetworkAccess": true,
  "doNotVerifyRemoteGateways": false,
  "etag": "W/\"c9839839-1b6f-43aa-ab09-bdbc31e2ae83"",
  "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4febgaurav/providers/Microsoft.Network/virtualNetworks/Vnet2gaurav/virtualNetworkPeerings/Vnet2gaurav-Vnet1gaurav",
  "name": "Vnet2gaurav-Vnet1gaurav",
  "peeringState": "Connected",
  "peeringSyncLevel": "FullyInSync",
  "provisioningState": "Succeeded",
  "remoteAddressSpace": {
    "addressPrefixes": [
      "10.0.0.0/16"
    ]
  },
}
```

```
[gaurav [ ~ ]$ az network vnet peering show \
--name Vnet1gaurav-Vnet2gaurav \
--resource-group rg4febgaurav \
--vnet-name Vnet1gaurav \
--query peeringState
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
"Connected"
```

```
connected
gaurav [ ~ ]$ az vm create \
--resource-group rg4febgaurav \
--name gauravVm1 \
--image Ubuntu2204 \
--public-ip-sku Standard \
--vnet-name Vnet1gaurav \
--subnet Subnet1 \
--ssh-key-value ~/.ssh/gaurav_lock.pub \
--no-wait
```

```
gaurav [ ~ ]$ az vm create \
--resource-group rg4febgaurav \
--name gauravVm2 \
--image Ubuntu2204 \
--public-ip-sku Standard \
--vnet-name Vnet2gaurav \
--subnet Subnet1 \
--ssh-key-value ~/.ssh/gaurav_lock.pub

{
  "fqdns": "",
  "id": "/subscriptions/63c2b25c-a0a4-4b82-bdb6-49a530715edd/resourceGroups/rg4febgaurav/providers/Microsoft.Compute/virtualMachines/gauravVm2",
  "location": "eastus",
  "macAddress": "00-0D-3A-1A-F8-84",
  "powerState": "VM running",
  "privateIpAddress": "10.1.0.4",
  "publicIpAddress": "172.203.140.13",
  "resourceGroup": "rg4febgaurav",
  "zones": ""
}
```

```
gaurav [ ~ ]$ ssh -i ~/.ssh/gaurav_lock gaurav@172.203.140.13
The authenticity of host '172.203.140.13' can't be established.
ED25519 key fingerprint is SHA256:Sokiq9NXRHISIft3UL0byIIqtpjEJIBBh9+I90KfSLBQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.203.140.13' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-1019-azure x86_64)

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

System information as of Sun Feb  4 10:12:30 UTC 2024

System load: 0.212890625   Processes:          106
Usage of /:  5.1% of 28.89GB  Users logged in:     0
Memory usage: 8%           IPv4 address for eth0: 10.1.0.4
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
```

```
gaurav@gauravVm2:~$ ping 10.0.0.4 -c 4
PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.
64 bytes from 10.0.0.4: icmp_seq=1 ttl=64 time=3.14 ms
64 bytes from 10.0.0.4: icmp_seq=2 ttl=64 time=1.98 ms
64 bytes from 10.0.0.4: icmp_seq=3 ttl=64 time=2.11 ms
64 bytes from 10.0.0.4: icmp_seq=4 ttl=64 time=1.76 ms

--- 10.0.0.4 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 1.764/2.247/3.139/0.529 ms
```

```
gaurav@gauravVm2:~$ exit
logout
Connection to 172.203.140.13 closed.
gaurav [ ~ ]$ az group delete --name rg4febgaurav --yes
[]| Running ..
```

```
gaurav@gauravVm2:~$ exit
logout
Connection to 172.203.140.13 closed.
gaurav [ ~ ]$ az group delete --name rg4febgaurav --yes
gaurav [ ~ ]$ []
```

