



Microsoft Azure

Upgrade

Search resources, services, and docs (G+J)

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vm1  
Virtual machine

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Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Continuous delivery

Availability + scaling

Configuration

Identity

Properties

Connect

Start

Restart

Stop

Capture

Delete

Refresh

Open in mobile

CLI / PS

VM generation

Agent status

Agent version

Host group

Host

Proximity placement group

Colocation status

Capacity reservation group

V2

Ready

2.7.3.0

None

-

-

N/A

-

Availability + scaling

Availability zone

Scale Set

Standard

Security type

Security type

Standard

Extensions + applications

Extensions

Applications

-

-

Size

Size

vCPUs

RAM

Standard B1s

1

1 GiB

Disk

OS disk

Encryption at host

Azure disk encryption

Ephemeral OS disk

Data disks

vm1\_disk1\_e90862d0eb7841e3a796b9f77cc5689d

Disabled

Not enabled

N/A

0

Azure Spot

Azure Spot

Azure Spot eviction policy

-

-

Give feedback

vm1 | Disks ...

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

## Settings

- Networking
- Connect
- Disks
- Size
- Microsoft Defender for Cloud
- Advisor recommendations
- Extensions + applications
- Continuous delivery
- Availability + scaling
- Configuration
- Identity
- Properties

Save Discard Refresh Additional settings Feedback Troubleshoot

## OS disk

⇌ Swap OS disk

Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput (...)	Encryption ⓘ	Host caching ⓘ
vm1_disk1_e90862d0eb7841e3a796b9f7	Premium SSD LRS	30	120	25	SSE with PMK	Read/write

### Data disks

Filter by name

Showing 0 of 0 attached data disks

+ Create and attach a new disk  Attach existing disks

LUN 	Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput (...)	Encryption 	Host caching 
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No data disks attached

vm1 - Microsoft Azure

portal.azure.com/#@aec.edu.in/resource/subscriptions/f584f7f0-47a0-4d75-a35a-9c02b83b8e8b/resourcegroups/project/providers/Microsoft.Compute/virtualMachines/vm1/networking

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vm1 | Networking Virtual machine

Search (Ctrl+/)

Attach network interface Detach network interface Feedback

OverviewActivity logAccess control (IAM)TagsDiagnose and solve problemsSettingsNetworkingConnectDisksSizeMicrosoft Defender for CloudAdvisor recommendationsExtensions + applicationsContinuous deliveryAvailability + scalingConfigurationIdentityProperties

vm1807

IP configuration ⓘipconfig1 (Primary)

Network Interface: vm1807Effective security rulesTroubleshoot VM connection issuesTopologyVirtual network/subnet: project-vnet/defaultNIC Public IP: 20.206.81.104NIC Private IP: 10.4.0.4Accelerated networking: Disabled

Inbound port rulesOutbound port rulesApplication security groupsLoad balancing

Network security group vm1-nsg (attached to network interface: vm1807)Impacts 0 subnets, 1 network interfacesAdd inbound port rule

Priority	Name	Port	Protocol	Source	Destination	Action	
300	SSH	22	TCP	Any	Any	Allow	...
310	Port_8080	80	TCP	Any	Any	Allow	...
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow	...
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow	...
65500	DenyAllInBound	Any	Any	Any	Any	Deny	...

Need help?Understand Azure load balancing ⓘ



```
Warning: Permanently added '20.206.81.104' (ECDSA) to the list of known hosts.
sowmya@20.206.81.104's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.15.0-1014-azure x86_64)

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

System information as of Tue Aug  2 10:31:38 UTC 2022

System load:  0.0               Processes:            108
Usage of /:   4.9% of 28.89GB    Users logged in:     0
Memory usage: 28%              IPv4 address for eth0: 10.4.0.4
Swap usage:   0%

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable

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.

sowmya@vm1:~$
```

```
vm1 - Microsoft Azure
portal.azure.com/#@aec.edu.in/resource/subscriptions/f584f7f0-47a0-4d75-a35a-9c02b83b8e8b/resourcegroups/project/providers/Microsoft.Compute/virtualMachines/vm1/overview
Microsoft Azure Upgrade Search resources, services, and docs (G+)
pavanteja@technicalhu... ADITYA EDUCATIONAL INSTITUT...

Bash
sowmya@vm1:~$ sudo su
root@vm1:/home/sowmya# cd /
root@vm1:/# ls
bin boot dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run sbin snap srv sys tmp usr var
root@vm1:/# cd var
root@vm1:/var# ls
backups cache crash lib local lock log mail opt run snap spool tmp
root@vm1:/var#
```



```
portal.azure.com/#@aec.edu.in/resource/subscriptions/f584f7f0-47a0-4d75-a35a-9c02b83b8e8b/resourcegroups/project/providers/Microsoft.Compute/virtualMachines/vm1/overview
Microsoft Azure Upgrade Search resources, services, and docs (G+/f)
Bash
Get:8 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://azure.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2000 kB]
Get:12 http://azure.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [360 kB]
Get:13 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [15.6 kB]
Get:14 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1187 kB]
Get:15 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [169 kB]
Get:16 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [927 kB]
Get:17 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [209 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [21.0 kB]
Get:19 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [24.4 kB]
Get:20 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7336 B]
Get:21 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:22 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [44.8 kB]
Get:23 http://azure.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [11.3 kB]
Get:24 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [976 B]
Get:25 http://azure.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:26 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.0 kB]
Get:27 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.0 kB]
Get:28 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [860 B]
Get:29 http://azure.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:30 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [1637 kB]
Get:31 http://azure.archive.ubuntu.com/ubuntu focal-security/main Translation-en [278 kB]
Get:32 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.8 kB]
Get:33 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1098 kB]
Get:34 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [156 kB]
Get:35 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [712 kB]
Get:36 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [129 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [14.7 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.2 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5376 B]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [512 B]
93% [11 Packages store 0 B]
```



```

Get:26 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.0 kB]
Get:27 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.0 kB]
Get:28 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [860 B]
Get:29 http://azure.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:30 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [1637 kB]
Get:31 http://azure.archive.ubuntu.com/ubuntu focal-security/main Translation-en [278 kB]
Get:32 http://azure.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.8 kB]
Get:33 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [1098 kB]
Get:34 http://azure.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [156 kB]
Get:35 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [712 kB]
Get:36 http://azure.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [129 kB]
Get:37 http://azure.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [14.7 kB]
Get:38 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.2 kB]
Get:39 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5376 B]
Get:40 http://azure.archive.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [512 B]
Fetched 23.7 MB in 5s (4940 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@vm1:/var# apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 9 not upgraded.
Need to get 1867 kB of archives.
After this operation, 8095 kB of additional disk space will be used.
Do you want to continue? [Y/n]

```

```
portal.azure.com/#@aec.edu.in/resource/subscriptions/f584f7f0-47a0-4d75-a35a-9c02b83b8e8b/resourcegroups/project/providers/Microsoft.Compute/virtualMachines/vm1/overview
Microsoft Azure Upgrade Search resources, services, and docs (G+/) pavanteja@technicalhu... ADITYA EDUCATIONAL INSTITUT...

Bash
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
root@vm1:/var# ls
backups cache crash lib local lock log mail opt run snap spool tmp www
root@vm1:/var# cd www/
root@vm1:/var/www# ls
html
root@vm1:/var/www# cd html/
root@vm1:/var/www/html# ls
index.html
root@vm1:/var/www/html#
```

sowmya

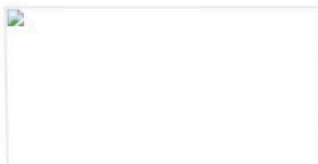
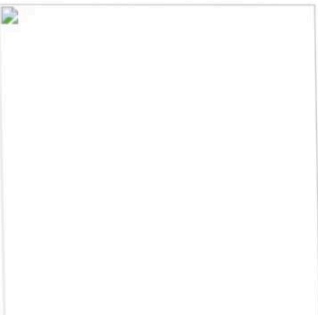
sowmya

sowmya

sowmya

sowmya

sowmya



```
portal.azure.com/#@aec.edu.in/resource/subscriptions/f5847f0-47a0-4d75-a35a-9c02b83b8e8b/resourcegroups/project/providers/Microsoft.Compute/virtualMachines/vm1/overview
Microsoft Azure Upgrade Search resources, services, and docs (G+/I)
Bash
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
root@vm1:/var# ls
backups cache crash lib local lock log mail opt run snap spool tmp www
root@vm1:/var# cd www/
root@vm1:/var/www# ls
html
root@vm1:/var/www# cd html/
root@vm1:/var/www/html# ls
index.html
root@vm1:/var/www/html# rm index.html
root@vm1:/var/www/html# ls
root@vm1:/var/www/html# vi index.html
root@vm1:/var/www/html# rm index.html
root@vm1:/var/www/html# LS
LS: command not found
root@vm1:/var/www/html# vi index.html
root@vm1:/var/www/html# vi index.html
root@vm1:/var/www/html# rm index.html
root@vm1:/var/www/html# ls
root@vm1:/var/www/html# vi index.html
root@vm1:/var/www/html#
```

```
<html>
```