Cloud Project And Video Explainer

Project Name: NexGenGamer blog site

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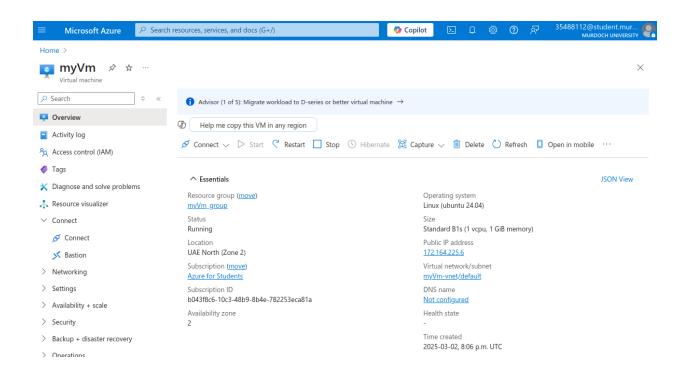**Unit: ICT1711**

IP address: 172.164.225.6

DNS: https://nexgengamers.site/

Introduction

The proposed cloud project is a gaming blog, designed to provide gaming enthusiasts with news, reviews, and community discussions. The blog will cover a wide range of gaming topics, including industry updates, game releases, strategies, and gaming hardware reviews. The primary goal is to create an engaging platform where gamers can stay informed and share their thoughts on various gaming-related topics.
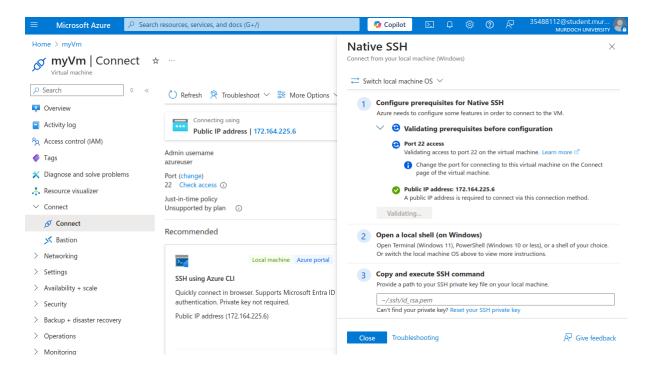
Design of my Microsoft server.

Microsoft Azure   Search resources, services, and docs (G+/)   Copilot   35488112@student.mur...
MURDOCH UNIVERSITY

Home >

myVm
Virtual machine

Search

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Connect
  - Connect
  - Bastion
- Networking
- Settings
- Availability + scale
- Security
- Backup + disaster recovery
- Operations

Advisor (1 of 5): Migrate workload to D-series or better virtual machine →

Help me copy this VM in any region

Connect | Start | Restart | Stop | Hibernate | Capture | Delete | Refresh | Open in mobile | ...

∧ Essentials   JSON View

Resource group (move)
myVm_group

Status
Running

Location
UAE North (Zone 2)

Subscription (move)
Azure for Students

Subscription ID
b043f8c6-10c3-48b9-8b4e-782253eca81a

Availability zone
2

Operating system
Linux (ubuntu 24.04)

Size
Standard B1s (1 vcpu, 1 GiB memory)

Public IP address
172.164.225.6

Virtual network/subnet
myVm-vnet/default

DNS name
Not configured

Health state
-

Time created
2025-03-02, 8:06 p.m. UTC

Installing apache

```
azureuser@myVm:~$ sudo apt intsall apache 2
```
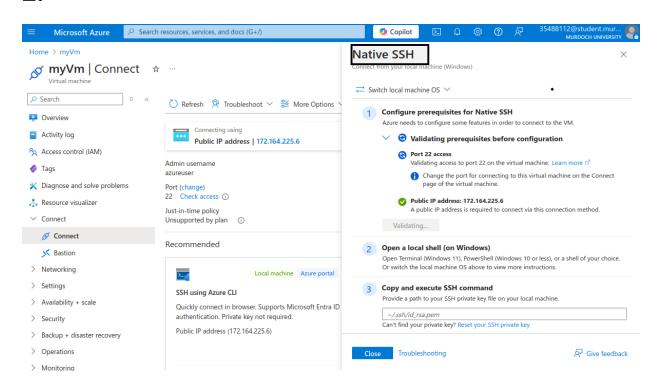
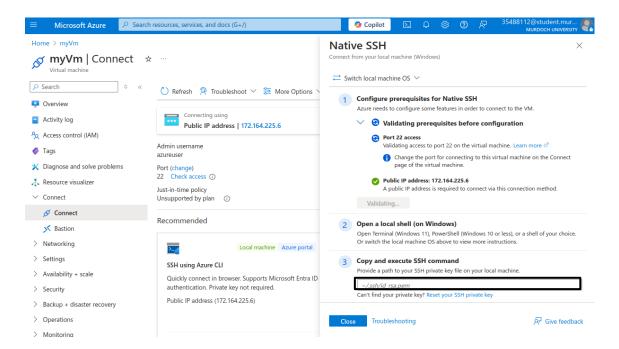# Upgrading apache

```
azureuser@myVm:~$ sudo apt upgrade apache 2
```

Now connecting to Ubuntu
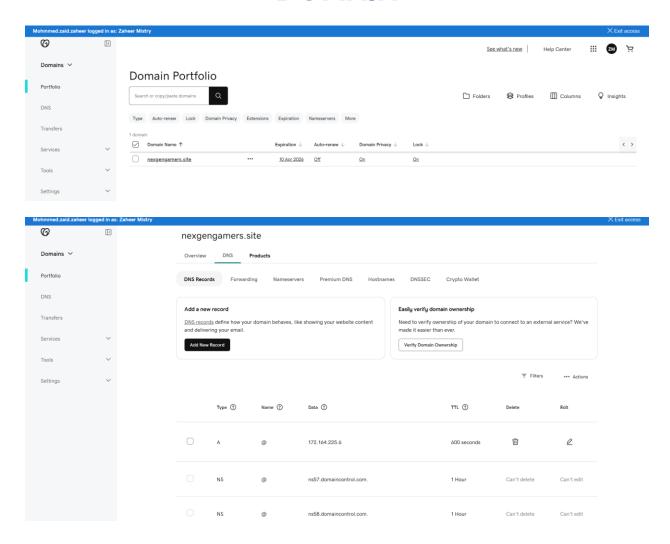
2.

3. Type private key

4. Run this command

DOMAIN

Domains ∨

Portfolio

DNS

Transfers

Services

Tools

Settings

See what's new | Help Center

Domain Portfolio

Search or copy/paste domains

Folders | Profiles | Columns | Insights

Type Auto-renew Lock Domain Privacy Extensions Expiration Nameservers More

1 domain

Domain Name ↑	Expiration ↓	Auto-renew ↓	Domain Privacy ↓	Lock ↓
nexgengamers.site	10 Apr 2026	Off	On	On

Domains ∨

Portfolio

DNS

Transfers

Services

Tools

Settings

nexgengamers.site

Overview   DNS   Products

DNS Records   Forwarding   Nameservers   Premium DNS   Hostnames   DNSSEC   Crypto Wallet

Add a new record

DNS records define how your domain behaves, like showing your website content and delivering your email.

Add New Record

Easily verify domain ownership

Need to verify ownership of your domain to connect to an external service? We've made it easier than ever.

Verify Domain Ownership

Filters   ··· Actions

	Type ⓘ	Name ⓘ	Data ⓘ	TTL ⓘ	Delete	Edit
☐	A	@	172.164.225.6	600 seconds	🗑	✏
☐	NS	@	ns57.domaincontrol.com.	1 Hour	Can't delete	Can't edit
☐	NS	@	ns58.domaincontrol.com.	1 Hour	Can't delete	Can't edit

Now install ssl certificate

```
azureuser@myVm:~$ sudo apt update
```

```
azureuser@myVm:~$ sudo apt install certbot python3-certbot-apache
```

```
azureuser@myVm:~$ sudo certbot --apache
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
 (Enter 'c' to cancel): m.zaid.mistry@gmail.com


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.5-February-24-2025.pdf. You must
agree in order to register with the ACME server. Do you agree?
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
(Y)es/(N)o: Y


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Would you be willing, once your first certificate is successfully issued, to
share your email address with the Electronic Frontier Foundation, a founding
partner of the Let's Encrypt project and the non-profit organization that
develops Certbot? We'd like to send you email about our work encrypting the web,
EFF news, campaigns, and ways to support digital freedom.
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
(Y)es/(N)o: Y
Account registered.
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
1: nexgengamers.site
2: www.nexgengamers.site
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Select the appropriate numbers separated by commas and/or spaces, or leave input
blank to select all options shown (Enter 'c' to cancel): 1,2
Requesting a certificate for nexgengamers.site and www.nexgengamers.site

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/nexgengamers.site/fullchain.pem
Key is saved at:         /etc/letsencrypt/live/nexgengamers.site/privkey.pem
This certificate expires on 2025-07-08.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in t
he background.

Deploying certificate
Successfully deployed certificate for nexgengamers.site to /etc/apache2/sites-av
ailable/000-default-le-ssl.conf
Successfully deployed certificate for www.nexgengamers.site to /etc/apache2/site
s-available/000-default-le-ssl.conf
Congratulations! You have successfully enabled HTTPS on https://nexgengamers.sit
```

TO MAKE THE WEBSITE HTML CODE:

Sudo nano index.html