

VM Infrastruncture:

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Microsoft

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Virtual machines Get started

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🔔 You are viewing a new version of Browse experience. Click here to access the old experience.

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

<input type="checkbox"/>	Name ↑	Subscription	Resource Group	Location	Status	Operating syst...	Size	Public IP addre...	Disks
<input type="checkbox"/>	VM1-WebApp	CSIS EA Subscri...	MIT572-Group03	East US	Stopped (deall...	Windows	Standard_B1ms	57.154.209.140	1
<input type="checkbox"/>	VM2-API	CSIS EA Subscri...	MIT572-Group03	East US	Stopped (deall...	Linux	Standard_B1ms	74.235.81.165	1
<input type="checkbox"/>	VM3-Database	CSIS EA Subscri...	MIT572-Group03	East US	Stopped (deall...	Windows	Standard_B1ms	20.83.178.92	1
<input type="checkbox"/>	VM4-AD	CSIS EA Subscri...	MIT572-Group03	East US	Stopped (deall...	Windows	Standard_B1ms	52.188.80.151	1

VM1 – Web Server (Windows Server 2022)

Purpose: Hosts the frontend web application

VM1-WebApp

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Network settings

Load balancing

Application security groups

Network manager

Settings

Availability + scale

Security

Backup + disaster recovery

Help me copy this VM in any region

Manage this VM with Azure CLI

Advisor (1 of 4): 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 ⚙️ Scale 📱 Open in mobile 🗨️ Feedback 📄 CLI / PS

Essentials

JSON View

Resource group (move)	: MIT572-Group03	Operating system	: Windows
Status	: Stopped (deallocated)	Size	: Standard B1ms (1 vcpu, 2 GiB memory)
Location	: East US (Zone 1)	Primary NIC public IP	: 57.154.209.140 1 associated public IPs
Subscription (move)	: CSIS EA Subscription	Virtual network/subnet	: vnet-eastus-4/subnet-eastus-1
Subscription ID	: 2dc672ed-4c37-4cc8-a1ed-6c7d66057130	DNS name	: Not configured
Availability zone	: 1	Health state	: -
Tags (edit)	: Add tags	Time created	: 11/7/2025, 8:51 PM UTC

Properties

Monitoring Capabilities (8) Recommendations (4) Tutorials

Virtual machine

Computer name	VM1-WebApp
Operating system	Windows
VM generation	V2

Networking

Public IP address	57.154.209.140 (Network interface vm1-webapp832_z1) 1 associated public IPs
Public IP address (IPv6)	-

VM2 – API Server (Ubuntu)

Purpose: Runs backend REST API

The screenshot shows the Azure portal interface for a virtual machine named 'VM2-API'. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Networking, Network settings, Load balancing, Application security groups, Network manager, Settings, Availability + scale, Security, and Backup + disaster recovery. The main pane displays the 'Overview' tab for the VM. At the top, there's an advisor tip: 'Advisor (1 of 4): Use Azure Capacity Reservation for virtual machine (VM)'. Below this, a 'Help me copy this VM in any region' button is visible. A toolbar includes actions like Connect, Start, Restart, Stop, Hibernate, Capture, Delete, Refresh, Scale, Open in mobile, Feedback, and CLI/PS. The 'Essentials' section provides key details: Resource group (MIT572-Group01), Status (Stopped (deallocated)), Location (East US (Zone 1)), Subscription (CSIS FA Subscription), Subscription ID (2dcb72ed-4c37-4ccb-a1ed-6c7d66057130), Availability zone (1), Operating system (Linux), Size (Standard B1ms (1 vcpu, 2 GiB memory)), Primary NIC public IP (74.235.81.165), Virtual network/subnet (vnet-eastus-3/subnet-eastus-1), DNS name (Not configured), Health state (~), and Time created (11/7/2025, 8:11 PM UTC). Below this, tabs for Properties, Monitoring, Capabilities (7), Recommendations (4), and Tutorials are shown. The 'Properties' tab lists the Computer name (VM2-API) and Operating system (Linux). The 'Networking' section shows the Public IP address (74.235.81.165) and associated public IPs.

VM2 – API SERVER – SSH Connection Successful

```
Prajw@PJMG MINGW64 ~/.ssh
$ ssh -i ~/.ssh/VM2-API_key azureuser@74.235.81.165
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1012-azure x86_64)

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

System information as of Mon Nov 10 22:49:35 UTC 2025

System load: 0.03          Processes:           118
Usage of /:  5.8% of 28.02GB Users logged in:       0
Memory usage: 14%          IPv4 address for eth0: 172.19.0.4
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

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

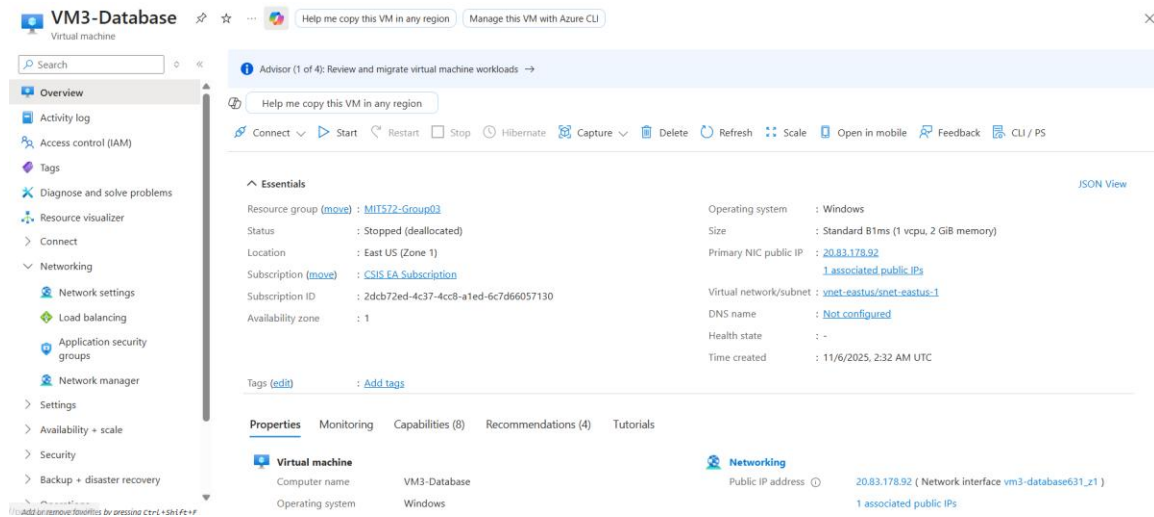
The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Sat Nov  8 01:17:39 2025 from 74.94.99.18
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

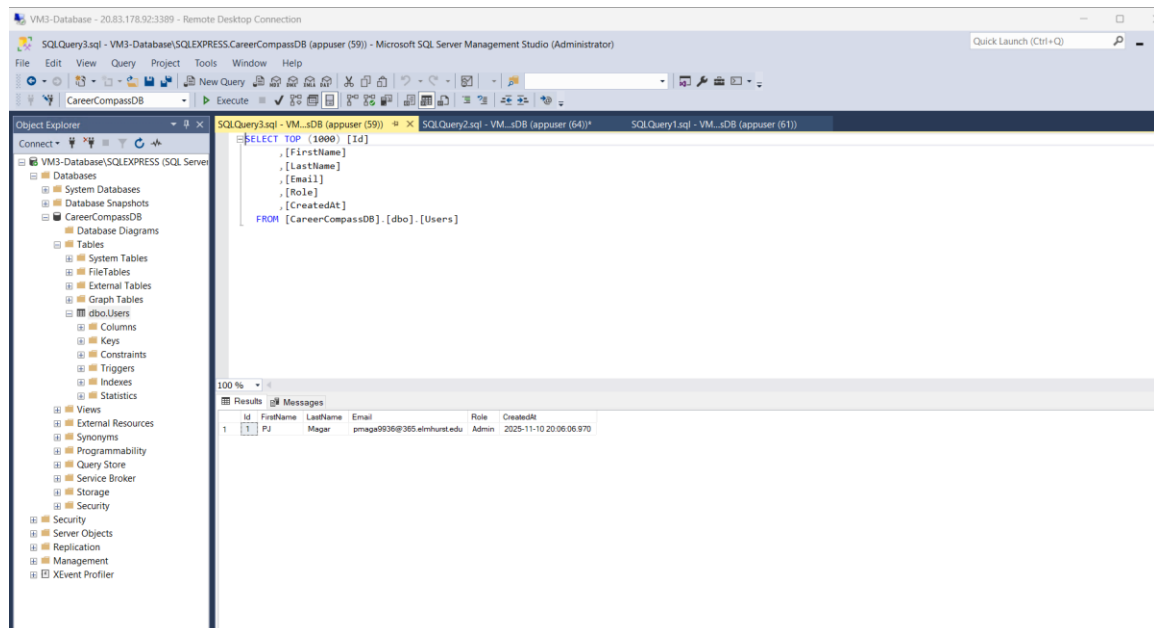
azureuser@VM2-API:~$
```

VM3 – Database Server (Windows Server 2022)

Purpose: Local SQL Server Express instance



VM3 – Database Server – SSMS Connection



VM4 – Active Directory Server (Windows Server 2022)

Purpose: Reserved for AD-authentication domain services

VM4-AD Virtual machine

Help me copy this VM in any region Manage this VM with Azure CLI

Advisor (1 of 4): Review and migrate virtual machine workloads →

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh Scale Open in mobile Feedback CLI / PS

Essentials

JSON View

Resource group (move)	: MITS72-Group03	Operating system	: Windows
Status	: Stopped (deallocated)	Size	: Standard B1ms (1 vcpu, 2 GiB memory)
Location	: East US (Zone 1)	Primary NIC public IP	: 52.188.80.151 1 associated public IPs
Subscription (move)	: CSJS EA Subscription	Virtual network/subnet	: ynet-eastus-5/snet-eastus-1
Subscription ID	: 2dcb72ed-4c37-4ccb-a1ed-6c7d66057130	DNS name	: Not configured
Availability zone	: 1	Health state	: -
		Time created	: 11/8/2025, 1:28 AM UTC

Tags ([edit](#)) : [Add tags](#)

Properties

Monitoring Capabilities (8) Recommendations (4) Tutorials

Virtual machine

Computer name	VM4-AD
Operating system	Windows

Networking

Public IP address	52.188.80.151 (Network interface vm4-ad327_z1) 1 associated public IPs
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VM4 – Active Directory Server – Server Manager