

192110722

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## 34. Demonstrate Platform as a Service (PaaS) create and configure a new VM Image in any Public Cloud Service Provider to get the Ubuntu Server 22.04 LTS

This screenshot shows the 'Create a virtual machine' wizard in the Microsoft Azure portal, specifically the 'Basics' step. The page is titled 'Create a virtual machine' and includes a search bar at the top. The main content area contains several configuration sections:

- Subscription:** Azure for Students
- Resource group:** vm3 (with a 'Create new' link)
- Instance details:**
  - Virtual machine name:** Virtual1
  - Region:** (Asia Pacific) East Asia
  - Availability options:** No infrastructure redundancy required
  - Security type:** Trusted launch virtual machines (with a 'Configure security features' link)
  - Image:** Ubuntu Server 22.04 LTS - x64 Gen2 (with links for 'See all images' and 'Configure VM generation')
  - VM architecture:** x64 (selected over Arm64)

At the bottom, there are navigation buttons: 'Review + create' (highlighted in blue), '< Previous', and 'Next: Disks >'. A 'Give feedback' link is also present on the right.

This screenshot shows the 'Review + create' step of the 'Create a virtual machine' wizard. A green banner at the top indicates 'Validation passed'. The page includes a breadcrumb trail: Basics > Disks > Networking > Management > Monitoring > Advanced > Tags > Review + create. A blue information box states: 'Cost given below is an estimate and not the final price. Please use Pricing calculator for all your pricing needs.' The pricing section shows '1 X Standard DS1 v2 by Microsoft' with a price of '8.4032 INR/hr' after subscription credits. Below this, the 'TERMS' section contains a legal disclaimer. At the bottom, there are navigation buttons: 'Create' (highlighted in blue), '< Previous', 'Next >', and 'Download a template for automation'. A 'Give feedback' link is also present on the right.

Microsoft Azure

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

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DEFAULT DIRECTORY

All services >

### CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20230830185913 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

**Your deployment is complete**

Deployment name: CreateVm-canonical.0001-com-ubuntu-server-j... Start time: 8/30/2023, 7:02:14 PM  
Subscription: Azure for Students Correlation ID: b7387089-b41c-4a8f-844f-6a35e1131069

**Deployment details**

**Next steps**

Setup auto-shutdown Recommended  
Monitor VM health, performance and network dependencies Recommended  
Run a script inside the virtual machine Recommended

[Go to resource](#) [Create another VM](#)

**Give feedback**  
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All services > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20230830185913 | Overview >

### Virtual1

Virtual machine

Search

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

**Overview**

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

**Settings**

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

**Essentials**

Resource group (move): vm3  
Status: Running  
Location: East Asia  
Subscription (move): Azure for Students  
Subscription ID: 6ae8b981-dd71-4d18-98de-8279770de35b  
Health state: -  
Tags (edit): Add tags

Operating system: Linux (ubuntu 22.04)  
VM availability status: Unknown  
Size: Standard D51 v2 (1 vcpu, 3.5 GiB memory)  
Public IP address: -  
Virtual network/subnet: Virtual-vnet/default  
DNS name: -

**Properties** Monitoring Capabilities (7) Recommendations Tutorials

**Virtual machine**

Computer name	Virtual1
Operating system	Linux (ubuntu 22.04)
Image publisher	canonical
Image offer	0001-com-ubuntu-server-jammy
Image plan	22_04-lts-gen2
VM generation	V2
VM architecture	x64

**Networking**

Public IP address	-
Public IP address (IPv6)	-
Private IP address	10.0.0.5
Private IP address (IPv6)	-
Virtual network/subnet	Virtual-vnet/default
DNS name	-

Microsoft Azure

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DEFAULT DIRECTORY

All services > CreateVm-canonical.0001-com-ubuntu-server-jammy-2-20230830185913 | Overview > Virtual1

### Virtual1 | Bastion

Virtual machine

Search

Advisor recommendations  
Extensions + applications  
Availability + scaling  
Configuration  
Identity  
Properties  
Locks

**Operations**

Bastion

Auto-shutdown  
Backup  
Disaster recovery  
Updates  
Inventory  
Change tracking  
Automanage

Azure Bastion protects your virtual machines by providing lightweight, browser-based connectivity without the need to expose them through public IP addresses. Deploying will automatically create a Bastion host on a subnet in your virtual network. [Learn more >](#)

Using Bastion: **Virtual-vnet-bastion**, Provisioning State: **Succeeded**

Please enter username and password to your virtual machine to connect using Bastion.

Username: azureuser  
Authentication Type: SSH Private Key from Local File  
Local File: Himanth.pem

**Advanced**

☒ Open in new browser tab

[Connect](#)

Tell us what you think of the Bastion experience

Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-1041-azure x86\_64)

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

System information as of Wed Aug 30 13:41:45 UTC 2023

System load: 0.00056640625	Processes: 110
Usage of /: 5.0% of 28.89GB	Users logged in: 0
Memory usage: 8%	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 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.

azureuser@Virtual1:~\$

31°C  
Partly cloudy



Search

