

## EXPNO:14 REMOTE CONNECTION

This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* (Azure for Students)

Resource group \* (sravani)

Virtual machine name \* (hemanth)

Region \* ((Asia Pacific) Central India)

Availability options (Availability zone)

Availability zone \* (Zones 1)

You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

**Review + create** < Previous Next : Disks > Give feedback

OS disk size (32 GiB (P4))

OS disk type \* (Premium SSD (locally-redundant storage))

Delete with VM (checked)

Key management (Platform-managed key)

Enable Ultra Disk compatibility (unchecked)

Some images are, by default, smaller than the selected OS disk size. Click here to learn how to expand your disk partition size after you create your VM.

**Review + create** < Previous Next : Networking > Give feedback



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Create a virtual machine - Microsoft Edge portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure Search resources, services, and docs (G+)

Home > Virtual machines > Create a virtual machine ...

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
hemanth	: 23	All resources
purushotham	: 30	All resources
ubuntu	: 5	All resources
linux	: 10	13 selected
	: 10	13 selected

Review + create < Previous Next : Review + create >

OneDrive Turn On Windows Backup Automatically save your Desktop, Documents, and Pictures to OneDrive so you can keep them protected and access them from anywhere. Remind me again in: 1 Week Let's get started No thanks

Create a virtual machine - Microsoft Edge portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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Validation passed

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price  
1 X Standard D2s v3 by Microsoft Subscription credits apply ⓘ  
**8.2461 INR/hr** Pricing for other VM sizes

TERMS  
By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not

OneDrive Turn On Windows Backup Automatically save your Desktop, Documents, and Pictures to OneDrive so you can keep them protected and access them from anywhere. Remind me again in: 1 Week Let's get started No thanks



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The screenshot shows the Microsoft Azure portal with a deployment overview for a VM named 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101426'. The status bar at the top indicates 'Deployment is in progress'. The main pane displays deployment details, including the deployment name, subscription information, and resource group. A table lists two resources: 'hemanth-ip' and 'hemanth-nsg', both of which are 'Created'. On the right side, there are promotional links for Microsoft Defender for Cloud, free tutorials, and expert work.

The screenshot shows the Microsoft Azure portal with a deployment overview for the same VM. The status bar at the top indicates 'Deployment succeeded'. The main pane displays deployment details and a summary message: 'Your deployment is complete'. Below this, there are sections for 'Deployment details' and 'Next steps', each with a list of recommended actions. A success message at the top right states: 'Deployment 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101426' to resource group 'sravani' was successful.' On the right side, there are promotional links for Cost Management, Microsoft Defender for Cloud, free tutorials, and expert work.



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hemanth - Microsoft Azure | (1) WhatsApp | portal.azure.com/#@sravanip1230ssesaveetha.onmicrosoft.com/resource/subscriptions/1cec9a31-6dee-4c7d-b4e1-d442d37e2059/resourcegroups... | +

Microsoft Azure | Search resources, services, and docs (G+)

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231104101426 | Overview >

**hemanth** Virtual machine

Search

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

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

**Essentials**

Resource group (move)	: sravani	Operating system	: Linux (ubuntu 20.04)
Status	: Running	Size	: Standard D2s v3 (2 vcpus, 8 GiB memory)
Location	: Central India (Zone 1)	Public IP address	: 98.70.33.198
Subscription (move)	: Azure for Students	Virtual network/subnet	: saritha-vnet/default
Subscription ID	: 1cec9a31-6dee-4c7d-b4e1-d442d37e2059	DNS name	: Not configured
Availability zone	: 1	Health state	: -
Tags (edit)	: hemanth : 23, purushotham : 30, ubuntu : 5, linux : 10		

Properties Monitoring Capabilities (7) Recommendations Tutorials

**Virtual machine**

Computer name	: hemanth
Operating system	: Linux (ubuntu 20.04)
Image publisher	: canonical
Image offer	: 0001-com-ubuntu-server-focal
Image plan	: 20_04-lts-gen2
VM generation	: V2

**Networking**

Public IP address	: 98.70.33.198 ( Network interface hemanth682_z1 )
Public IP address (IPv6)	: -
Private IP address	: 10.0.0.5
Private IP address (IPv6)	: -
Virtual network/subnet	: saritha-vnet/default
DNS name	: Configure

JSON View

hemanth - Microsoft Azure | (1) WhatsApp | portal.azure.com/#@sravanip1230ssesaveetha.onmicrosoft.com/resource/subscriptions/1cec9a31-6dee-4c7d-b4e1-d442d37e2059/resourcegroups... | +

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**hemanth** Virtual machine

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

**Properties**

**Virtual machine**

Computer name	: hemanth
Operating system	: Linux (ubuntu 20.04)
Image publisher	: canonical
Image offer	: 0001-com-ubuntu-server-focal
Image plan	: 20_04-lts-gen2
VM generation	: V2
VM architecture	: x64
Agent status	: Ready
Agent version	: 2.9.1.1
Host group	: None
Host	: -
Proximity placement group	: -
Colocation status	: N/A
Capacity reservation group	: -
Disk controller type	: SCSI

**Networking**

Public IP address	: 98.70.33.198 ( Network interface hemanth682_z1 )
Public IP address (IPv6)	: -
Private IP address	: 10.0.0.5
Private IP address (IPv6)	: -
Virtual network/subnet	: saritha-vnet/default
DNS name	: Configure

**Size**

Size	: -
vCPUs	: -
RAM	: -

**Disk**

OS disk	: hemanth_OsDisk_1_ebs
Encryption at host	: -
Azure disk encryption	: -
Ephemeral OS disk	: -

Screenshot copied to clipboard and saved  
Select here to mark up and share the image



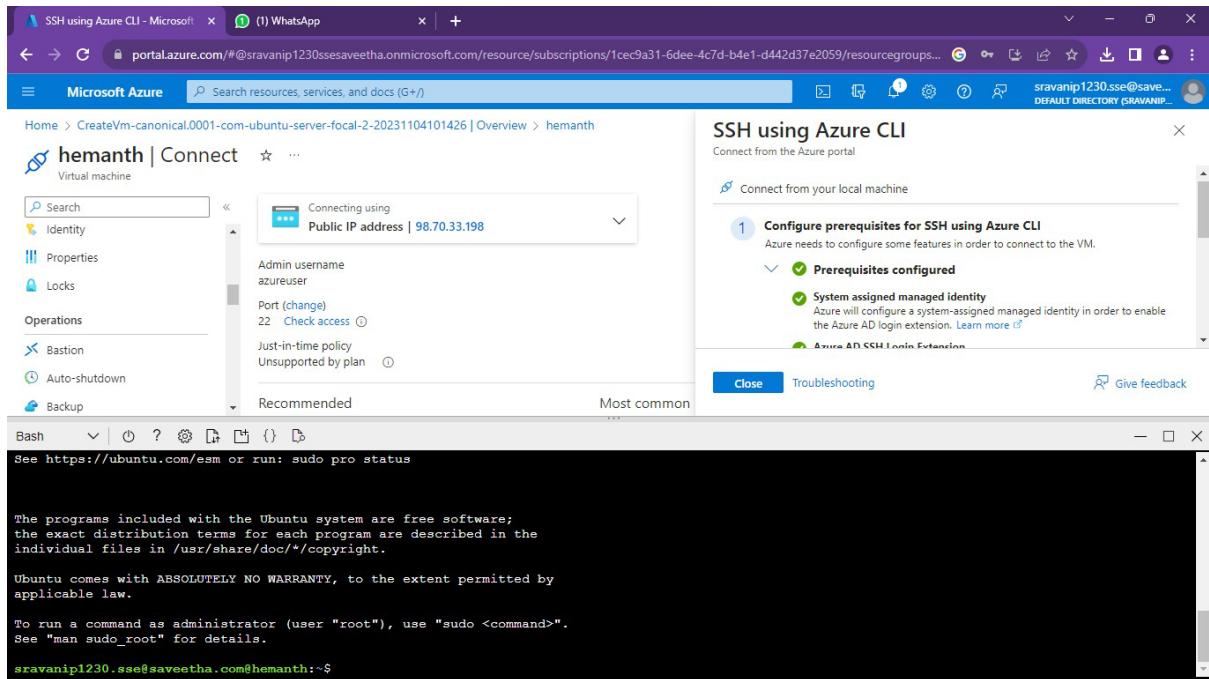
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The screenshot shows the Microsoft Azure portal interface for a virtual machine named 'hemanth'. The left sidebar contains navigation links such as Search, Identity, Properties, Locks, Operations, Bastion, Auto-shutdown, Backup, Disaster recovery, Updates, Health monitoring, Inventory, Change tracking, Automate, Configuration management, Policies, and Run command. The main content area displays the 'hemanth' virtual machine details, including its status as 'Connecting using Public IP address | 98.70.33.198', admin username 'azureuser', port 22, and an unsupported Just-in-time policy. Below this, two connection methods are listed: 'SSH using Azure CLI' (Recommended) and 'Native SSH' (Most common). The 'Native SSH' option is highlighted with a blue selection bar. A 'Select' button is present under each method.

This screenshot continues from the previous one, showing the 'hemanth' virtual machine overview in the Microsoft Azure portal. The 'Native SSH' connection method is selected. A modal window titled 'SSH using Azure CLI' is displayed, providing instructions to 'Connect from your local machine'. It lists step 1: 'Configure prerequisites for SSH using Azure CLI', which includes 'Prerequisites configured' (System assigned managed identity) and 'Azure AD SSH Login Extension'. The modal also includes a 'Close' button, a 'Troubleshooting' link, and a 'Give feedback' link. At the bottom, there is a 'Welcome to Azure Cloud Shell' message with a large right-pointing arrow icon, and a toolbar with 'Bash' and 'PowerShell' buttons.



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