

Module 7: Assignment- 5

Tasks To Be Performed:

1. Create a VM without public IP address
2. Connect to this VM using bastion host

Home > Virtual machines > Create a virtual machine

Validation passed

Subscription: Free Trial
Resource group: Project_Resource
Virtual machine name: myVm
Region: Central India
Availability options: Availability zone 1
Security type: Trusted launch virtual machines
Enable secure boot: Yes
Enable vTPM: Yes
Integrity monitoring: No
Image: Ubuntu Server 20.04 LTS - Gen2
VM architecture: x64
Size: Standard B1s (1 vcpu, 1 GiB memory)
Authentication type: Password
Username: azureuser
Public inbound ports: SSH
Azure Spot: No

Disks
OS disk size: Image default
OS disk type: Premium SSD LRS
Use managed disks: Yes
Delete OS disk with VM: Enabled
Ephemeral OS disk: No

Networking

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Home > Virtual machines > Create a virtual machine

Validation passed

Networking
Virtual network: (new) myVm-vnet
Subnet: (new) default (10.0.0.0/24)
Public IP: None
Accelerated networking: Off
Place this virtual machine behind an existing load balancing solution?: No
Delete NIC when VM is deleted: Disabled

Management
Microsoft Defender for Cloud: None
System assigned managed identity: Off
Login with Microsoft Entra ID: Off
Auto-shutdown: Off
Enable hotpatch: Off
Patch orchestration options: Azure-orchestrated patching (preview): patches will be installed by Azure
Reboot setting: Reboot if required

Monitoring
Alerts: Off
Boot diagnostics: On
Enable OS guest diagnostics: Off
Enable application health monitoring: Off

Advanced
Extensions: None

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The screenshot shows the Microsoft Azure portal interface. The main content area displays the details of a virtual machine named 'myVm'. The left sidebar contains navigation options such as Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Extensions + applications, Configuration, Advisor recommendations, Properties, Locks, Availability + scale, and Size. The main content area is divided into several sections: Essentials, Properties, Monitoring, Capabilities (7), Recommendations, and Tutorials. The Essentials section shows the resource group, status, location, subscription ID, availability zone, and tags. The Properties section shows the computer name, operating system, image publisher, image offer, image plan, VM generation, VM architecture, agent status, agent version, hibernation, host group, host, proximity placement group, colocation status, and capacity reservation group. The Networking section shows the public IP address, private IP address (IPv4), private IP address (IPv6), virtual network/subnet, and DNS name. The Size section shows the size, vCPUs, RAM, and OS disk. The Disk section shows the OS disk, encryption at host, and private disk encryption.

The screenshot shows a terminal window with the output of the 'df -h' command. The output displays the disk usage for the root filesystem (/) and the swap space. The root filesystem is mounted on /dev/sda1 and has a total size of 28.89GB, with 5.3% used and 1.3GB available. The swap space is mounted on /dev/sda2 and has a total size of 1GB, with 0% used and 1GB available. The terminal also shows the output of the 'df -h' command for the root filesystem (/) and the swap space. The output displays the disk usage for the root filesystem (/) and the swap space. The root filesystem is mounted on /dev/sda1 and has a total size of 28.89GB, with 5.3% used and 1.3GB available. The swap space is mounted on /dev/sda2 and has a total size of 1GB, with 0% used and 1GB available.