

Date: 25-11-2024

Gopinath R

ACE12428

Azure – Virtual Machine

1) First Create a resource group

The screenshot shows the 'Create a resource group' page in the Azure portal. The 'Basics' tab is selected. The page includes a header with the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a user profile. The breadcrumb trail is 'Home > Resource groups >'. The title is 'Create a resource group'. Below the title are tabs for 'Basics', 'Tags', and 'Review + create'. A description of a resource group is provided. The 'Project details' section contains a 'Subscription' dropdown set to 'Free Trial' and a 'Resource group' text input set to 'gopinath_r'. The 'Resource details' section contains a 'Region' dropdown set to '(Asia Pacific) South India'. At the bottom are buttons for 'Review + create', '< Previous', and 'Next: Tags >'.

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Home > Resource groups >

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * ⓘ Free Trial

Resource group * ⓘ gopinath_r

Resource details

Region * ⓘ (Asia Pacific) South India

Review + create < Previous Next: Tags >

The screenshot shows the 'Create a resource group' page in the Azure portal, with the 'Tags' tab selected. The 'Basics' tab is also visible. The page includes the same header and breadcrumb trail as the previous screenshot. The title is 'Create a resource group'. Below the title are tabs for 'Basics', 'Tags', and 'Review + create'. A description of tags is provided. The 'Tags' section has a table with columns 'Name', 'Value', and 'Resource'. The first row has 'gopinath_r' in the Name column, '1' in the Value column, and 'Resource group' in the Resource column. The second row has empty fields. At the bottom are buttons for 'Review + create', '< Previous', and 'Next: Review + create >'.

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Home > Resource groups >

Create a resource group

Basics Tags Review + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name ⓘ	Value ⓘ	Resource
gopinath_r	1	Resource group
		Resource group

Review + create < Previous Next: Review + create >

Resource Group Created

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Home > Resource groups >

Create a resource group

Validation passed.

Basics Tags **Review + create**

Basics

Subscription	Free Trial
Resource group	gopinath_r
Region	South India

Tags

gopinath_r	1
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Create < Previous Next > Download a template for automation

https://portal.azure.com/?quickstart=true#

Type here to search

AIRTELPP +4.15% ENG 09:25 25-11-2024

2) Create Virtual machine -> Select Resource group

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Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

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 * Free Trial

Resource group * gopinath_r

< Previous Next: Disks > Review + create Give feedback

Type here to search

EUR/INR +0.52% ENG 09:30 25-11-2024

-> Select Zone

-> Select security type

-> Select image on your requirement.

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a Copilot button. The user's profile is visible in the top right corner. The main content area is titled 'Create a virtual machine' and includes three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Availability zone' section shows 'Zone 1' selected, with a note that multiple zones can be selected. The 'Security type' section shows 'Standard' selected. The 'Image' section shows 'Windows 10 Pro, version 22H2 - x64 Gen2 (free services eligible)' selected. The 'VM architecture' section shows 'x64' selected. At the bottom, there are navigation buttons: '< Previous', 'Next : Disks >', and 'Review + create'. A 'Give feedback' link is also present.

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Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Availability zone *

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

Security type

Image *

See all images | Configure VM generation

This image is compatible with additional security features. [Click here to swap to the Trusted launch security type.](#)

VM architecture ☐ Arm64 ☒ x64

Arm64 is not supported with the selected image.

< Previous Next : Disks > Review + create Give feedback

-> Select input ports to run the VM

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, specifically the 'Public inbound ports' section. The page has a blue header with the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a Copilot button. The user's profile is visible in the top right corner. The main content area is titled 'Create a virtual machine' and includes three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Public inbound ports' section shows 'Allow selected ports' selected. The 'Select inbound ports' section shows 'HTTP (80), RDP (3389)' selected. A note states that all traffic from the internet will be blocked by default. At the bottom, there are navigation buttons: '< Previous', 'Next : Disks >', and 'Review + create'. A 'Give feedback' link is also present.

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Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

network access on the Networking tab.

Public inbound ports * ☐ None ☒ Allow selected ports

Select inbound ports *

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

Licensing

☒ I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights.

< Previous Next : Disks > Review + create Give feedback

-> Select Disk to your VM

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The 'Disks' tab is selected, showing options for VM disk encryption and OS disk configuration. The OS disk size is set to 'Image default (127 GiB)' and the OS disk type is 'Standard SSD (locally-redundant storage)'. A message indicates that encryption at host is not registered for the selected subscription. The bottom navigation bar shows 'Previous', 'Next: Networking', and 'Review + create' buttons.

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Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

VM disk encryption

Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host ☐

Encryption at host is not registered for the selected subscription. [Learn more](#)

OS disk

OS disk size

OS disk type *

The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.

< Previous Next: Networking > Review + create Give feedback

go.microsoft.com/fwlink/?Linkid=2183503

-> Select Network Settings and IP

-> Create ID and Password of your VM

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, with the 'Networking' tab selected. It displays configuration options for the network interface, including Virtual network, Subnet, and Public IP. The bottom navigation bar shows 'Previous', 'Next: Management', and 'Review + create' buttons.

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Home > Virtual machines >

Create a virtual machine

Help me create a low cost VM Help me create a VM optimized for high availability Help me choose the right VM size for my workload

Basics Disks **Networking** Management Monitoring Advanced Tags Review + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network *

Subnet *

Public IP

< Previous Next: Management > Review + create Give feedback

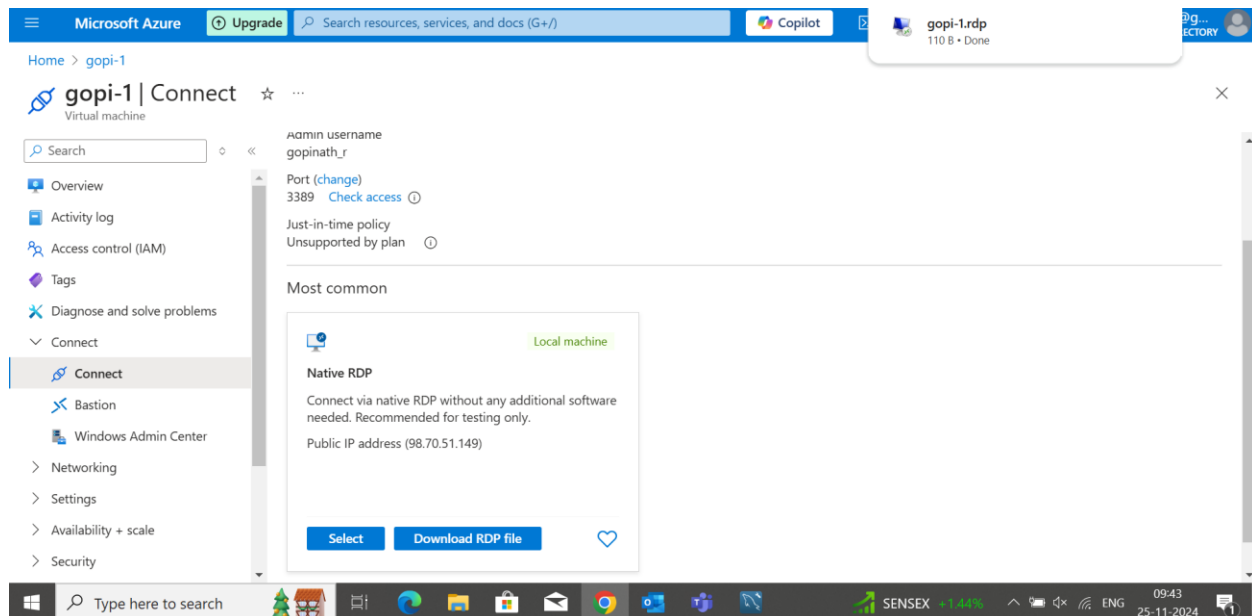
-> Review and Create

The screenshot shows the 'Review + create' step of the 'Create a virtual machine' wizard in the Microsoft Azure portal. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a user profile. The breadcrumb trail is 'Home > Virtual machines >'. The main heading is 'Create a virtual machine'. A green banner indicates 'Validation passed'. Below this are three tabs: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The 'Review + create' tab is selected. The left sidebar contains tabs for 'Basics', 'Disks', 'Networking', 'Management', 'Monitoring', 'Advanced', 'Tags', and 'Review + create'. The main content area shows the 'Price' section with '1 X Standard B1s by Microsoft' and a price of '0.9318 INR/hr'. It also includes 'TERMS' and a 'Create' button. The bottom of the screen shows a Windows taskbar with various application icons and system information like '27°C Partly sunny'.

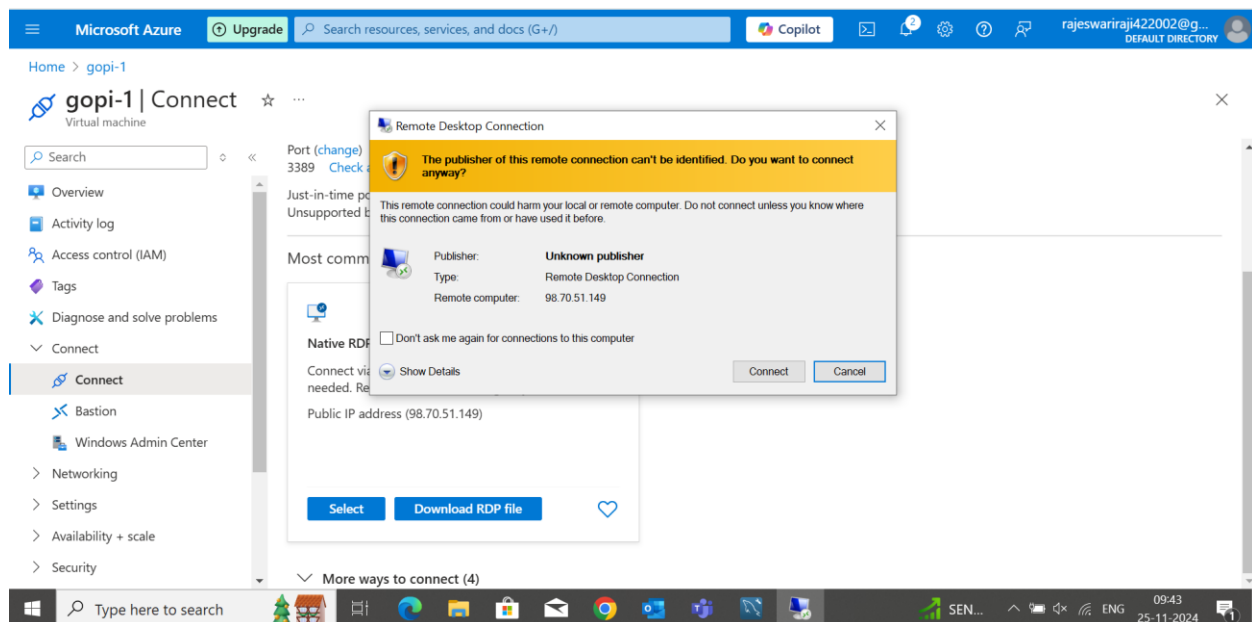
3) Your VM Deployment Success

The screenshot shows the 'Overview' page for a successful Azure deployment named 'CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20241125092814'. The top navigation bar is the same as the previous screenshot. The breadcrumb trail is 'Home >'. The main heading is 'CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20241125092814 | Overview'. The left sidebar contains tabs for 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area shows a green checkmark and the text 'Your deployment is complete'. It includes deployment details such as 'Deployment name: CreateVm-MicrosoftWindowsDesktop...', 'Subscription: Free Trial', and 'Resource group: gopinath_r'. The 'Next steps' section lists 'Setup auto-shutdown', 'Monitor VM health, performance and network dependencies', and 'Run a script inside the virtual machine'. The right sidebar contains sections for 'Cost Management', 'Microsoft Defender for Cloud', and 'Free Microsoft tutorials'. The bottom of the screen shows a Windows taskbar with various application icons and system information like 'RELIANCE +2.61%'.

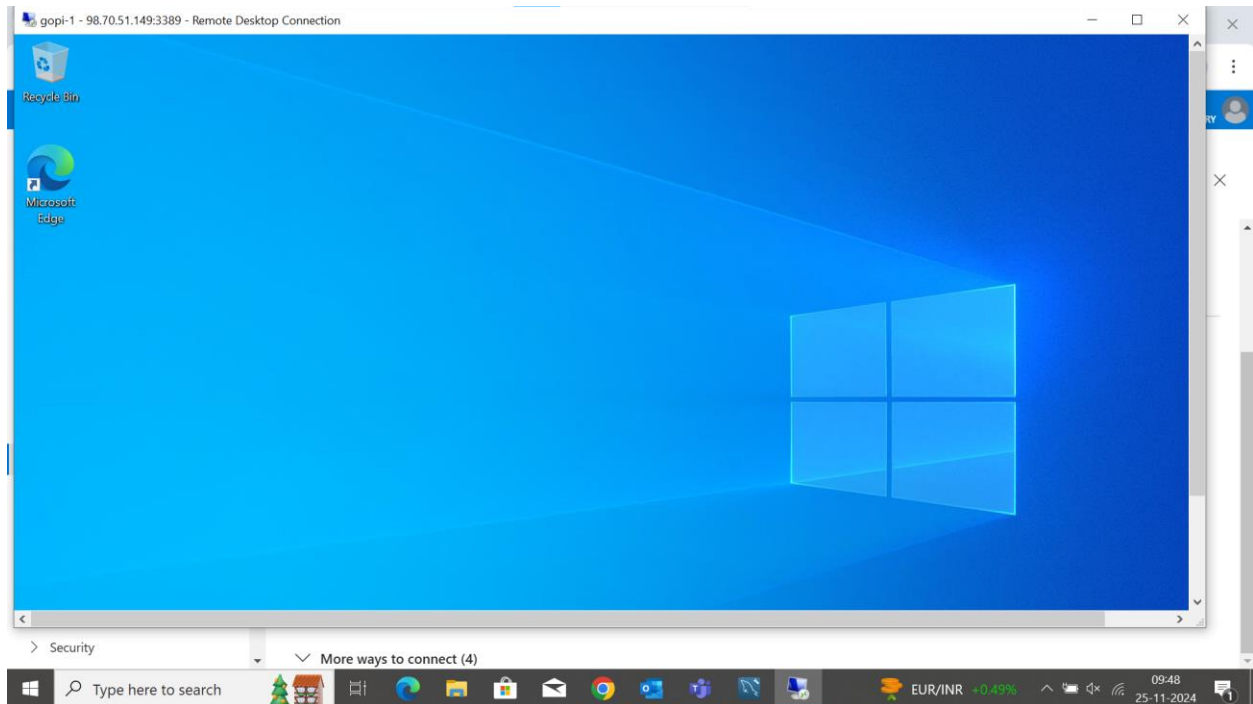
4) Connect with RDP – Remote Desktop Portal



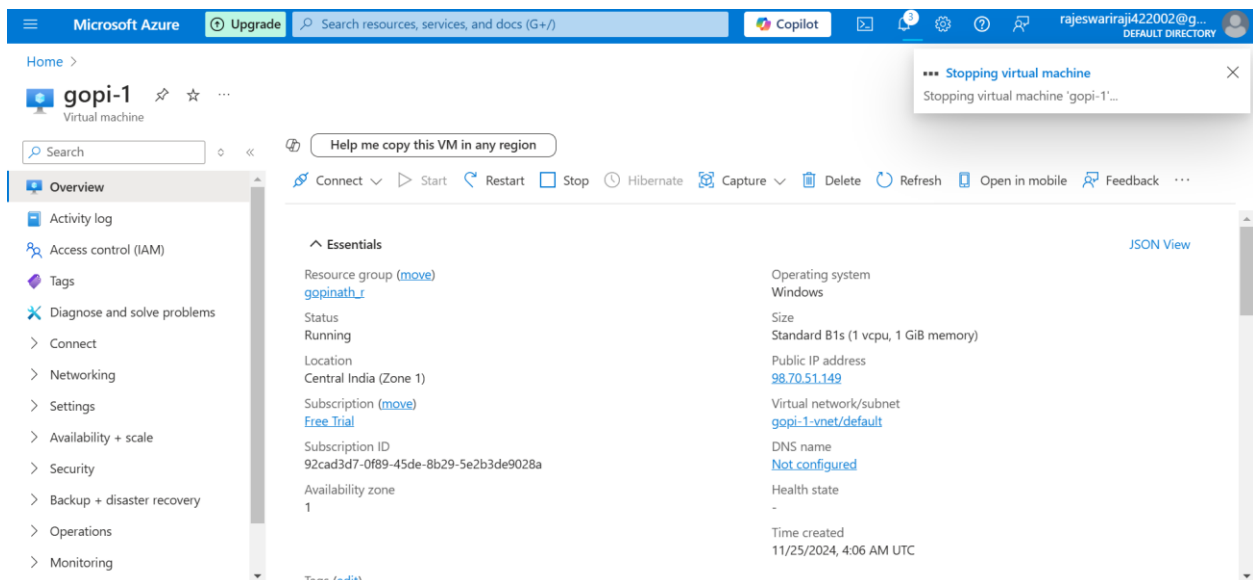
-> Connect with ID and Password



5) Connection of VM



6) Stop Your VM



7) Delete All your

-> Disk

-> Network

-> IP

-> Resource Group

The screenshot shows the Microsoft Azure portal interface. On the left, the navigation pane is open, showing the 'Overview' tab for the virtual machine 'gopi-1'. The main content area displays the 'Delete gopi-1' confirmation dialog. The dialog includes the following information:

- Resource to be deleted:** gopi-1 (Virtual machine)
- Associated resource type:** OS disk (Quantity: 1)
- Confirmation:** A checkbox labeled 'Apply force delete' is checked, with a note: 'This virtual machine can be safely force deleted because all of its associated resources are being deleted.'
- Warning:** 'You can also choose to delete associated resources at the same time. Resources that aren't deleted will be orphaned. Associated resources that are in use by other resources are not shown here.'
- Buttons:** 'Delete' and 'Cancel' buttons are at the bottom.

The Windows taskbar at the bottom shows the system clock as 09:55 on 25-11-2024, and the RELIANCE stock price is +1.70%.