

Task 1

The screenshot shows the Microsoft Azure portal home page. The top navigation bar includes the Microsoft Azure logo, a search bar with the text "Aliyan", and a Copilot button. The user's profile information, "bscs2112104@szabist.pk", is visible in the top right corner. The main content area is divided into two sections: "Azure services" and "Resources". The "Azure services" section features a grid of icons for various services: "Create a resource", "Subscriptions", "Quickstart Center", "Azure AI services", "Kubernetes services", "Virtual machines", "App Services", "Storage accounts", and "SQL databases". A "More services" link is also present. The "Resources" section has tabs for "Recent" and "Favorite", and a table with columns "Name", "Type", and "Last Viewed". A message states "No resources have been viewed recently" with a "View all resources" button. A "Navigate" section is at the bottom left. On the right, a "Notifications" panel shows a bell icon and the message "No new notifications from this session" with a link to "More events in the activity log".

The screenshot shows the "Create a virtual machine" wizard in the Microsoft Azure portal. The top navigation bar is the same as the previous screenshot. The main content area is titled "Create a virtual machine" and includes three help links: "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 wizard is divided into two columns. The left column contains labels for the configuration steps: "Subscription", "Resource group", "Instance details", "Virtual machine name", "Region", "Availability options", "Security type", "Image", and "VM architecture". The right column contains the corresponding dropdown menus and radio buttons. The "Subscription" is set to "Azure for Students", "Resource group" to "(New) Aliyan_group", "Virtual machine name" to "Aliyan", "Region" to "(US) East US", "Availability options" to "No infrastructure redundancy required", "Security type" to "Trusted launch virtual machines", "Image" to "Windows Server 2019 Datacenter - x64 Gen2", and "VM architecture" to "x64". A message at the bottom of the "VM architecture" section states "Arm64 is not supported with the selected image." At the bottom of the wizard, there are three buttons: "< Previous", "Next : Disks >", and "Review + create". A "Give feedback" link is also present. On the right, the "Notifications" panel is the same as in the previous screenshot.

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk

DEFAULT DIRECTORY

Home > Create a resource >

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

Size *

Standard_D2s_v3 - 2 vcpus, 8 GiB memory (\$137.24/month)

See all sizes

Enable Hibernation

☐

Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#)

Administrator account

Username *

Aliyan

Password *

Confirm password *

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports *

☐ None

☒ Allow selected ports

Select inbound ports *

HTTP (80), RDP (3389)

< Previous

Next : Disks >

Review + create

Give feedback

Notifications

No new notifications from this session

[More events in the activity log](#)

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk

DEFAULT DIRECTORY

Home > Create a resource >

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

Virtual network *

(new) Aliyan-vnet

Create new

Subnet *

(new) default (10.0.0.0/24)

Public IP

Create new

NIC network security group

☐ None

☒ Basic

☐ Advanced

Public inbound ports *

☐ None

☒ Allow selected ports

Select inbound ports *

HTTP (80), RDP (3389)

This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Delete public IP and NIC when VM is deleted

☐

< Previous

Next : Management >

Review + create

Give feedback

Notifications

No new notifications from this session

[More events in the activity log](#)

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk
DEFAULT DIRECTORY

Home > Create a resource >

Create a virtual machine

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

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Configure monitoring options for your VM.

Alerts

Enable recommended alert rules ☐

Diagnostics

Boot diagnostics ☐ Enable with managed storage account (recommended)
☐ Enable with custom storage account
☒ Disable

Enable OS guest diagnostics ☐

Health

Enable application health monitoring ☐

< PreviousNext: Advanced >Review + create

Give feedback

Notifications

No new notifications from this session

[More events in the activity log](#)

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk
DEFAULT DIRECTORY

Home > Create a resource >

Create a virtual machine

Validation passed

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

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Price

1 X Standard D2s v3
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ☐
0.1880 USD/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 provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

< PreviousNext >Create

[Download a template for automation](#) Give feedback

Notifications

No new notifications from this session

[More events in the activity log](#)

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359 | ...

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: CreateVm-Micro...
Subscription: Azure for Students
Resource group: Aliyan_group

Start time: 3/20/2025, ...
Correlation ID: 7fac1789-

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 resourceCreate another VM

Give feedback

Tell us about your experience with deployment

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Notifications

More events in the activity log →

Dismiss all

Deployment succeeded

Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359' to resource group 'Aliyan_group' was successful.

Go to resourcePin to dashboard

a few seconds ago

Microsoft Azure

Aliyan

Copilot

bscs2112104@szabist.pk

Home >

Aliyan

Virtual machine

Search

Help me copy this VM in any region

ConnectStartRestartStopHibernateCaptureDeleteRefresh

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Connect

Networking

Settings

Availability + scale

Security

Backup + disaster recovery

Operations

Monitoring

Automation

Help

Essentials

Resource group (move)
Aliyan_group

Status
Running

Location
East US

Subscription (move)
Azure for Students

Subscription ID
ea6fc9c7-fe32-4565-b42a-e336c72040d9

Tags (edit)
Add tags

Operating system
Windows (Windows Server 2019 Datacenter)

Size
Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address
104.41.152.234

Virtual network/subnet
Aliyan-vnet/default

DNS name
Not configured

Health state
-

Time created
3/20/2025, 3:10 PM UTC

JSON View

PropertiesMonitoringCapabilities (8)RecommendationsTutorials

Virtual machine

Networking

Notifications

More events in the activity log →

Dismiss all

Deployment succeeded

Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359' to resource group 'Aliyan_group' was successful.

Go to resourcePin to dashboard

a minute ago

Task 2

Microsoft Azure | Aliyan

Home > Aliyan

Aliyan | Connect Virtual machine

Search

Refresh Troubleshoot More Options Feedback

Connecting using
Public IP address | 104.41.152.254

Admin username
Aliyan

Port (change)
3389 Check access

Just-in-time policy
Unsupported by plan

Most common

Local machine

Native RDP
Connect via native RDP without any additional software needed. Recommended for testing only.
Public IP address (104.41.152.254)

Select Download RDP file

Notifications

More events in the activity log → Dismiss all

Deployment succeeded
Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359' to resource group 'Aliyan_group' was successful.
Go to resource Pin to dashboard
a minute ago

Microsoft Azure | Aliyan

Home > Aliyan

Aliyan | Connect Virtual machine

Search

Connecting using
Public IP address | 104.41.152.254

Downloads

Aliyan.rdp
Open file
See more

Deployment succeeded
Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359' to resource group 'Aliyan_group' was successful.
Go to resource Pin to dashboard
3 minutes ago

Microsoft Azure | Aliyan

Home > Aliyan

Aliyan | Connect Virtual machine

Search

Connecting using
Public IP address | 104.41.152.254

Admin username
Aliyan

Port (change)
3389 Check access

Just-in-time policy
Unsupported by plan

Most common

Local machine

Native RDP
Connect via native RDP without any additional software needed. Recommended for testing only.
Public IP address (104.41.152.254)

Remote Desktop Connection

The publisher of this remote connection can't be identified. Do you want to connect anyway?
This remote connection could harm your local or remote computer. Do not connect unless you know where this connection came from or have used it before.

Publisher: Unknown publisher
Type: Remote Desktop Connection
Remote computer: 104.41.152.254

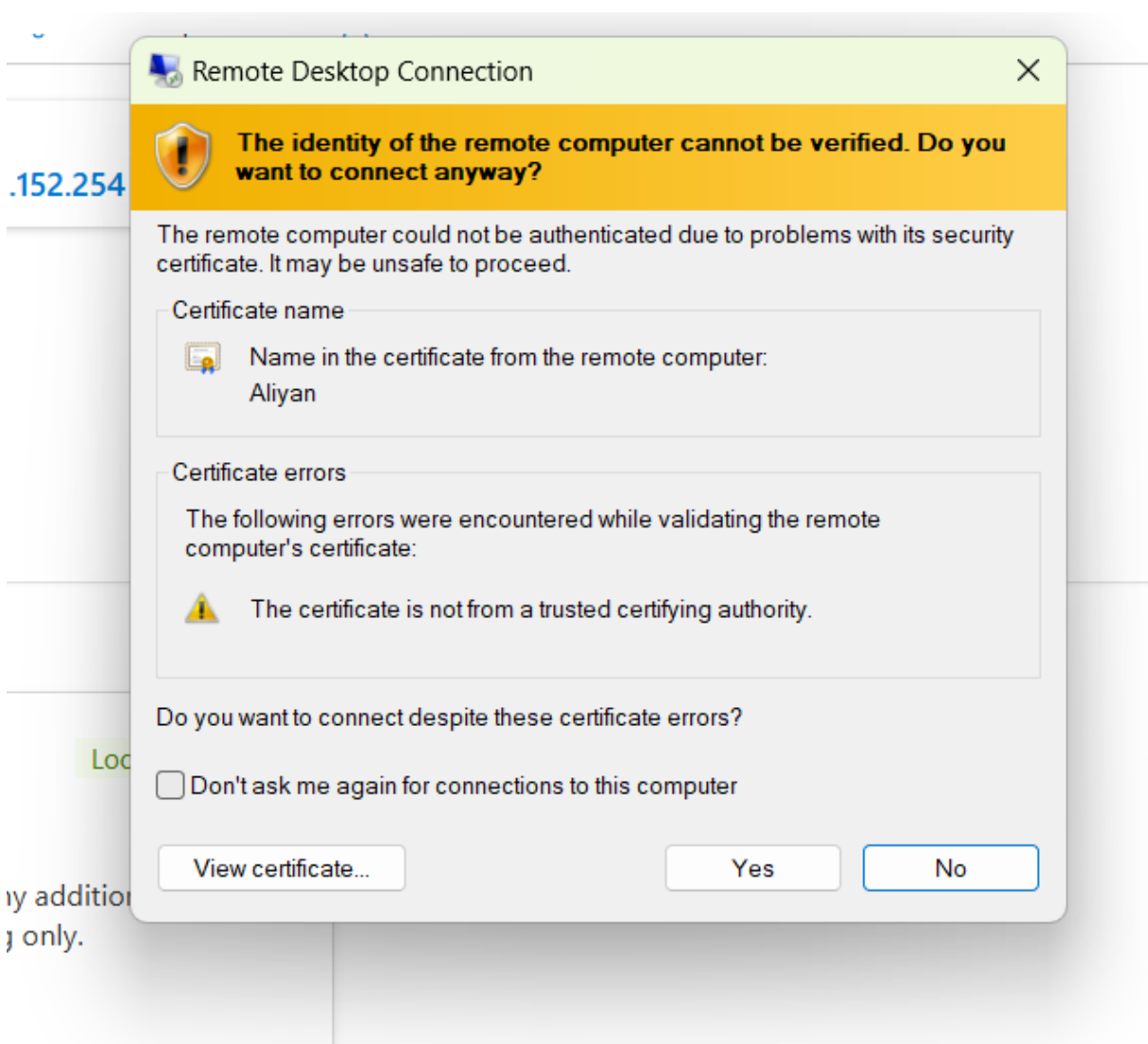
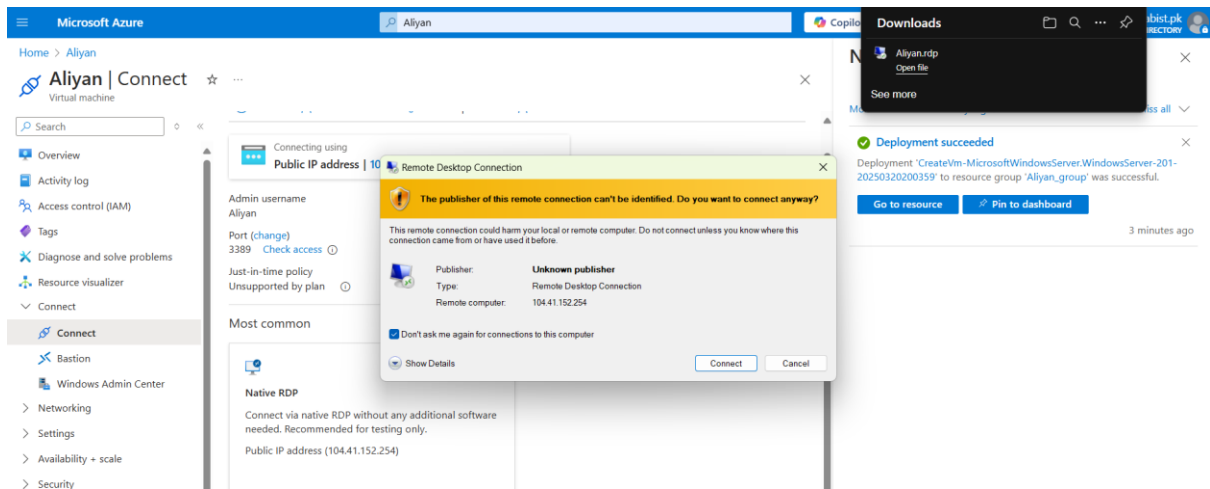
☒ Don't ask me again for connections to this computer

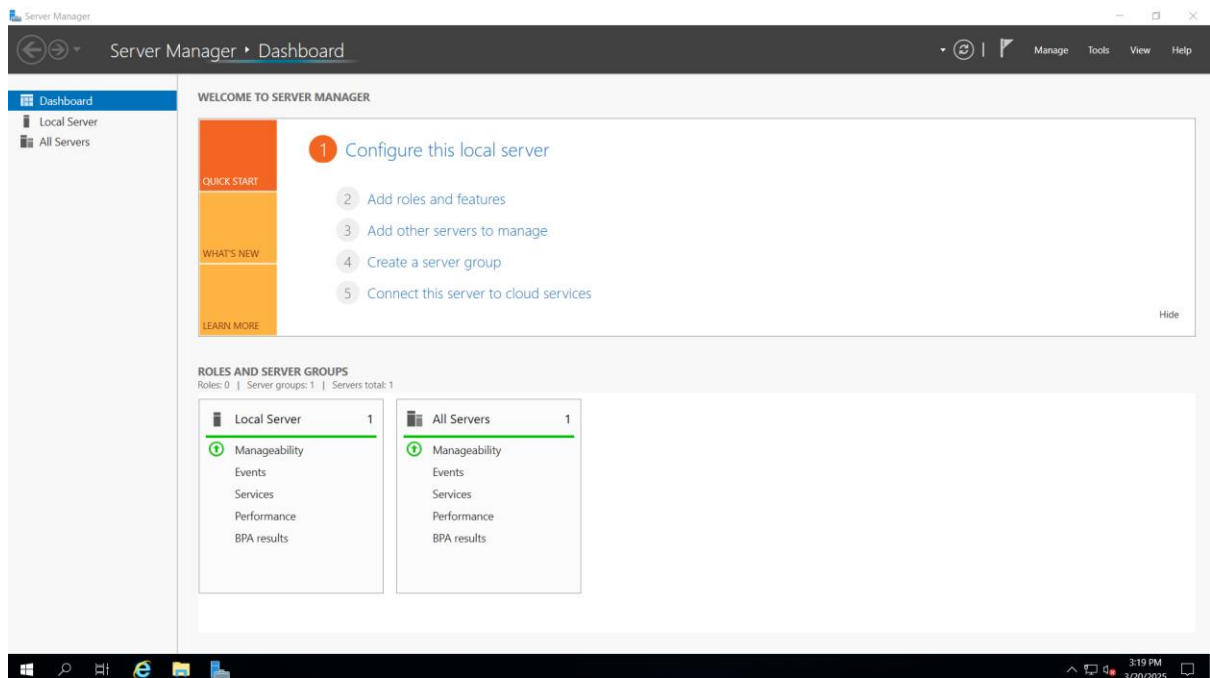
Show Details Connect Cancel

Downloads

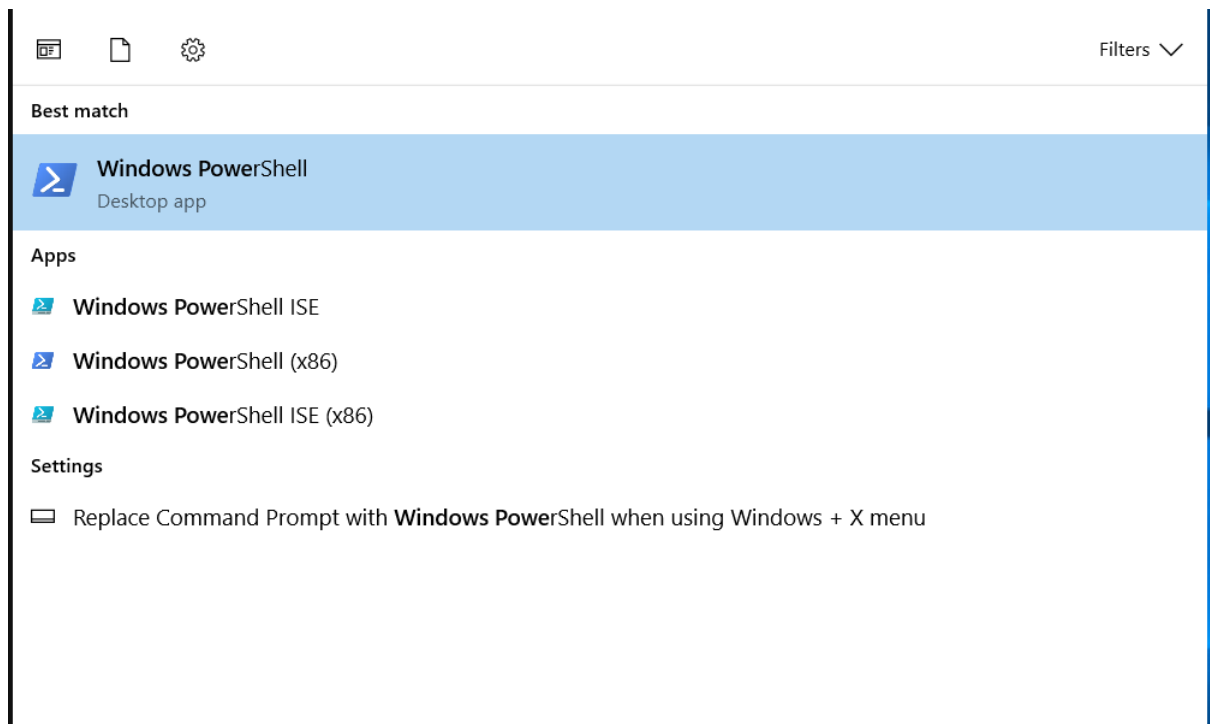
Aliyan.rdp
Open file
See more

Deployment succeeded
Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359' to resource group 'Aliyan_group' was successful.
Go to resource Pin to dashboard
3 minutes ago





Task 3



```
Administrator: Windows PowerShell

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Aliyan> Install-WindowsFeature -name Web-Server -IncludeManagementTools

Success Restart Needed Exit Code      Feature Result
-----
True      No          Success      {Common HTTP Features, Default Document, D...
```

Microsoft Azure

Aliyan

Home > Aliyan Virtual machine

Search

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- Connect
 - Connect
 - Bastion
 - Windows Admin Center
- Networking

Help me copy this VM in any region

Connect Start Restart Stop Hibernate Capture Delete Refresh

Essentials

Resource group (move)
[Aliyan_group](#)

Status
Running

Location
East US

Subscription (move)
[Azure for Students](#)

Subscription ID
ea6fc9c7-fe32-4565-b42a-e336c72040d9

Operating system
Windows (Windows Server 2019 Datacenter)

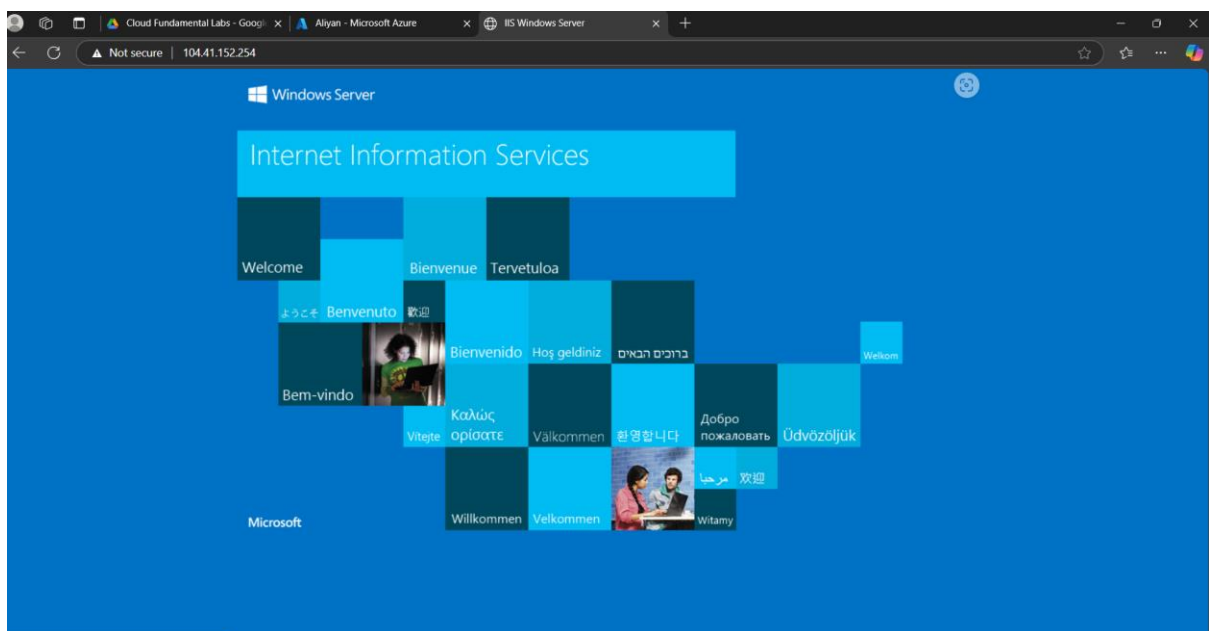
Size
Standard (3 GiB memory)

Public IP address
[104.41.152.254](#)

Virtual network/subnet
[Aliyan-vnet/default](#)

DNS name
Not configured

Health state
-



Notifications



[More events in the activity log →](#)

[Dismiss all](#)

Deleted resource group Aliyan_group

Deleted resource group Aliyan_group

a few seconds ago

Deployment succeeded

Deployment '[CreateVm-MicrosoftWindowsServer.WindowsServer-201-20250320200359](#)' to resource group '[Aliyan_group](#)' was successful.

[Go to resource](#)

[Pin to dashboard](#)

28 minutes ago