

Home > Virtual machines >

Create a virtual machine ...

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](#)

i 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 * ⓘ	<div>Azure for Students</div>
Resource group * ⓘ	<div>(New) rgvm</div> <div>Create new</div>

Instance details

Virtual machine name * ⓘ	<div>vmsony</div>
Region * ⓘ	<div>(Asia Pacific) Central India</div>
Availability options ⓘ	<div>Availability zone</div>

Review + create

< Previous

Next : Disks >

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Haze



Search








CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230112165203 | Overview

Delete Cancel Redeploy Download Refresh

Deployment is in progress

Deployment name: CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230112165203 Start time: 1/12/2023, 4:57:28 PM
Subscription: Azure for Students Correlation ID: 2b4419a5-7a84-4b3f-9e4b-efc054cd6c92
Resource group: rgvm CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20230112165203

Deployment details

Resource	Type	Status	Operation details
 vmsony	Microsoft.Compute/virtualMachines	Created	Operation details
 vmsony667_z1	Microsoft.Network/networkInterfa...	Created	Operation details
 rgvm-vnet	Microsoft.Network/virtualNetworks	OK	Operation details
 vmsony-nsg	Microsoft.Network/networkSecuri...	OK	Operation details
 vmsony-ip	Microsoft.Network/publicIpAddre...	OK	Operation details

Give feedback

Tell us about your experience with deployment

portal.azure.com

Gmail YouTube Maps

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

Home > vmsony Virtual machine

Search

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

vmsony virtual machine agent status is not ready. Troubleshoot the issue →

Essentials

Resource group (move)	: rgvm	Operating system	: Windows
Status	: Running	Size	: Standard DS1 v2 (1 vcpu, 3.5 GiB me
Location	: Central India (Zone 1)	Public IP address	: 20.197.9.183
Subscription (move)	: Azure for Students	Virtual network/subnet	: rgvm-vnet/default
Subscription ID	: 8e0acb37-fc3e-481a-8e96-491c439b98e8	DNS name	: Not configured
Availability zone	: 1		
Tags (edit)	: Click here to add tags		

Properties

Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine

Computer name	vmsony
Health state	-
Operating system	Windows
Publisher	MicrosoftWindowsDesktop
Offer	Windows-10

Networking

Public IP address	20.197.9.183
Public IP address (IPv6)	-
Private IP address	10.1.0.4
Private IP address (IPv6)	-
Virtual network/subnet	rgvm-vnet/default

3°C

aze



vmsony | Connect

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
- Continuous delivery
- Availability + scaling
- Configuration
- Identity
- 28°C Haze

! To improve security, enable just-in-time access on this VM. →

RDP SSH Bastion

Connect with RDP

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

IP address *

Public IP address (20.197.9.183)

Port number *

3389

Download RDP File

Can't connect?

- Test your connection
- Troubleshoot RDP connectivity issues

Provide feedback

- Tell us about your RDP experience



Search



vmsony - Microsoft Azure

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Home > vmsony

vmsony | Networking

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

Continuous delivery

Availability + scaling

Configuration

Attach network interface

Detach network interface

vmsony667_z1

IP configuration

ipconfig1 (Primary)

Network Interface: vmsony667_z1

Effective security rules

Troubleshoot VM connection issues

Topology

Virtual network/subnet: rgvm-vnet/default

NIC Public IP: 20.197.9.183

NIC Private IP: 10.1.0.4

Accelerated networking: Enabled

Inbound port rules

Outbound port rules

Application security groups

Load balancing

Network security group vmsony-nsg (attached to network interface: vmsony667_z1)

Impacts 0 subnets, 1 network interfaces

Priority	Name	Port	Protocol	Source	Destination	Action
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

Need help?

Understand Azure load balancing

to load balance Virtual Machines

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Haze

Search

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urity, enable just-in-time

astion

DP

virtual machine via RDP,


(20.197.9.183)

File

nection

RDP connectivity issues

your RDP experience

 Windows Security ✕

Enter your credentials

These credentials will be used to connect to 20.197.9.183.

☐ Remember me



Remote Desktop Connection



The identity of the remote computer cannot be verified. Do you want to connect anyway?

The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.

Certificate name



Name in the certificate from the remote computer:

vmsony

Certificate errors

The following errors were encountered while validating the remote computer's certificate:



The certificate is not from a trusted certifying authority.

Do you want to connect despite these certificate errors?

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

[View certificate...](#)

[Yes](#)

[No](#)



20.197.9.183



Choose privacy settings for your device

Microsoft puts you in control of your privacy. Choose your settings, then select 'Accept' to save them. You can change these settings at any time.

Location

Get location-based experiences like directions and weather. Let Windows and apps request your location and allow Microsoft to use your location data to improve location services.

☒ Yes

Diagnostic data

Send only info about your device, its settings and capabilities, and whether it is performing properly. Diagnostic data is used to help keep Windows secure and up to date, troubleshoot problems, and make product improvements.

☐ Send Required diagnostic data

Tailored experiences

Let Microsoft use your diagnostic data, excluding information about websites you browse, to offer you personalized tips, ads, and recommendations to enhance your Microsoft experiences.

☒ Yes

Find my device

Windows won't be able to help you keep track of your device if you lose it.

☐ No

Inking & typing

Send optional inking and typing diagnostic data to Microsoft to improve the language recognition and suggestion capabilities of apps and services running on Windows.

☒ Yes

Advertising ID

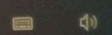
Apps can use advertising ID to provide more personalized advertising in accordance with the privacy policy of the app provider.

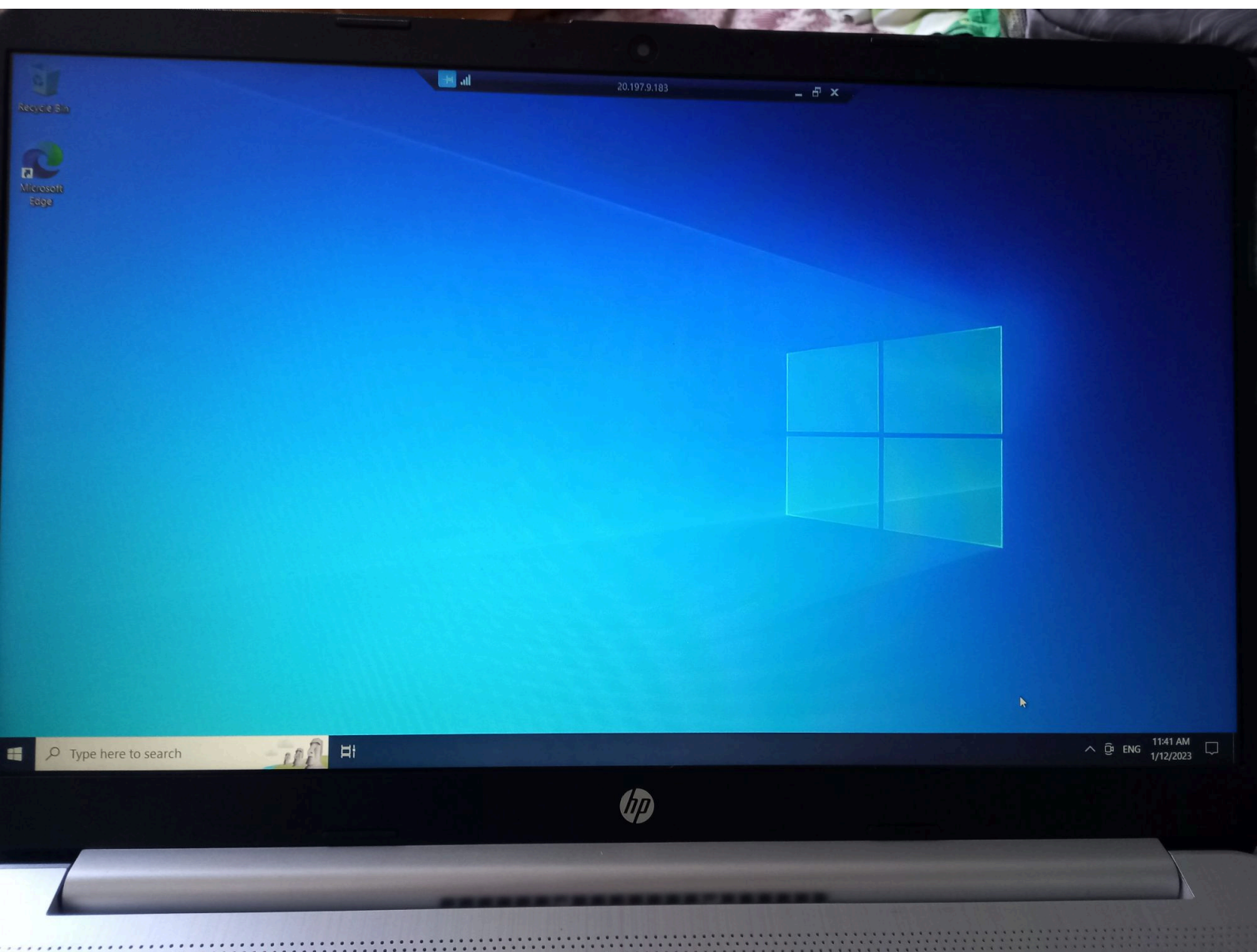
☒ Yes

Select 'Learn more' for info on the above settings, how Microsoft Defender SmartScreen works, and the related data transfers and uses.

Learn more

Accept





Experiment - 103

Aim:

To create a virtual machine using a public cloud service provider (Azure) and configuring it with required memory and cpu.

Procedure:

1. open the microsoft Azure
2. search virtual machine and select it
3. click on create - Azure virtual machine
4. fill the blanks
Resource group: vmsony
Image: windows 10 pro
Size: standard DS V2-1 vcpu
username:
Password:
Public inbound port: None
5. click on review + create option
6. It will display as validation passed
7. click on create option
8. Display as your deployment is created
9. select the resource name which you used
10. Next select connect at upside. and
11. select RDP and download RDP file
11. After downloading it, connect it

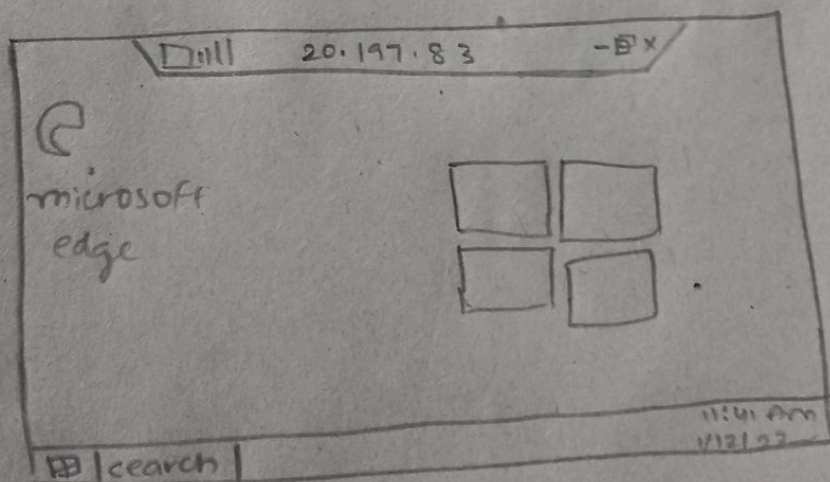
- It won't connect
12. select network and add interface
13. Fill the details
14. It will display
15. Go back and click on
16. It will ask for username and password
17. Remote
- click on
18. Virtual

a public
configuring

it won't connect

12. select networking and click on add inbound port rule
13. Fill the details : Source : Any
destination port range : 3880
14. It will display in inbound port rules
15. Go back and download again and click on connect option
16. It will ask to enter credentials:
username:
password:
17. Remote Desktop connection will displayed
click on Yes option
18. Virtual machine has been created

Output:



Result:

creation of virtual machine using Azure
and configuring with required memory
is successfully completed