

1. What is the different type of services offered in the cloud?

PaaS

IaaS

SaaS

All of these

2. What are the different cloud deployment models?

Private Cloud

Public Cloud

Hybrid Cloud

All the above mentioned

3. Which of the following element in Azure stands for management service?

Application

Config

Virtual machines

None of These

4. Which service in Azure is used to manage resources in Azure?

Azure Resource Manager

Application Insights

Log Analytics

Azure Portal

5. Do scale sets work with Azure availability sets?

No

Yes

Not Sure

6. Is it possible to add an existing VM to an availability set?

Yes

No

Not Sure

7. What are special Azure Regions?

US Gov Virginia and US Gov Iowa

China East and China North

Germany Central and Germany Northeast

All of these

8. Customers Should Deploy Azure Resources To Multiple Regions To Ensure cost reduction.

availability.

scalability.

9. Which Of The Following Azure Cloud Services Offers Serverless Capabilities?

Azure Functions

Azure App Service

Azure Kubernetes Service (AKS)

All of the above

10. What Is SKU In Azure Cloud?

Software Kernel Unit

Stock Keeping Utility

Software Keeping Unit

Stock Keeping Unit

-
-
1. Create Virtual network named as Virtue(range 57.80.0.0/16) and having subnet name as duck(57.80.137.0/24).
 2. Create 3 virtual machines one Linux(centos/ubuntu) and 2 windows, add them in duck subnet and check availability with ping command.
 3. Create virtual network gateway for Virtue.
 4. Add extra NIC to both windows machine and create a public ip for that them.
 5. Create new virtual network named as Mario, and create peering with Virtual Network(Virtue).
 6. Create dynamic routing table and add to any created subnet.

Answers

Create Virtual network named as Virtue(range 57.80.0.0/16) and having subnet name as duck(57.80.137.0/24)

The screenshot shows the Microsoft Azure portal interface. The main page is titled 'Create virtual network'. It displays the 'IPv4 address space' section with a table of address ranges. The 'Add subnet' dialog is open on the right, showing the 'Subnet name' as 'duck' and the 'Subnet address range' as '57.80.137.0/24'. The 'NAT GATEWAY' section is also visible, showing a dropdown for 'NAT gateway' set to 'None'. The 'SERVICE ENDPOINTS' section is partially visible at the bottom.

IPv4 address space
10.0.0.0/16 10.0.0.0 - 10.0.255.255 (65536 addresses)
57.80.0.0/16

Subnet name	Subnet address range
duck	57.80.137.0/24

The screenshot shows the Microsoft Azure portal interface. The main page is titled 'virtue | Subnets'. It displays a table of subnets. The 'Add subnet' dialog is open on the right, showing the 'Subnet name' as 'duck' and the 'Subnet address range' as '57.80.137.0/24'. The 'NAT GATEWAY' section is also visible, showing a dropdown for 'NAT gateway' set to 'None'. The 'SERVICE ENDPOINTS' section is partially visible at the bottom.

Name	IPv4	IPv6	Availability
default	10.0.0.0/24	-	251
duck	57.80.137.0/24	-	251

Create 3 virtual machines one Linux(centos/ubuntu) and 2 windows, add them in duck subnet and check availability with ping command.

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

Home > **CreateVm-OpenLogic.CentOS-7_9-gen2-20211119164422** | Overview

Deployment

Search (Ctrl+/) < Delete Cancel Redeploy Refresh

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: CreateVm-OpenLogic.CentOS-7_9-gen2-20211119164422 Start time: 11/19/2021, 4:50:41 PM
Subscription: Free Trial Correlation ID: aa580be5-8241-4729-96c8-21895e...

Resource group: [assessment](#)

Deployment details (Download)

Next steps

- Setup auto-shutdown Recommended
- Monitor VM health, performance and network dependencies Recommended
- Run a script inside the virtual machine Recommended

[Go to resource](#) [Create another VM](#)

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Type here to search

04:52 PM 19-11-2021

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

Home > **CreateVm-MicrosoftWindowsServer.WindowsServer-201-20211119165256** | Overview

Deployment

Search (Ctrl+/) < Delete Cancel Redeploy Refresh

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsServer-201-20211119165256 Start time: 11/19/2021, 4:54:29 PM
Subscription: Free Trial Correlation ID: ff0c63a-0d62-4037-b653-a5a68e...

Resource group: [assessment](#)

Deployment details (Download)

Next steps

- Setup auto-shutdown Recommended
- Monitor VM health, performance and network dependencies Recommended
- Run a script inside the virtual machine Recommended

[Go to resource](#) [Create another VM](#)

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Activate Windows
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04:57 PM 19-11-2021

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

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-201-20211119170210 | Overview

Deployment

Search (Ctrl+/) « Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 11/19/2021, 5:03:22 PM
Subscription: Free Trial Correlation ID: 89c93a42-3504-42e6-bca4-87c4ad...
Resource group: assessment

Deployment details (Download)

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource Create another VM

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Activate Windows
Go to Settings to activate Windows

20.124.113.15 - Remote Desktop Connection

57.80.137.6

Recycle Bin

Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Useradmin2>ping 57.80.137.6

Pinging 57.80.137.6 with 32 bytes of data:
Reply from 57.80.137.6: bytes=32 time<1ms TTL=128
Reply from 57.80.137.6: bytes=32 time<1ms TTL=128
Reply from 57.80.137.6: bytes=32 time<1ms TTL=128
Reply from 57.80.137.6: bytes=32 time<1ms TTL=128

Ping statistics for 57.80.137.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Useradmin2>
```

Activate Windows
Go to Settings to activate Windows

Create virtual network gateway for Virtue.

The screenshot shows the 'Create virtual network gateway' page in the Azure portal. The left sidebar indicates 'No virtual network gateways to display'. The main form is titled 'Create virtual network gateway' and includes the following fields:

- Resource group: assesment (derived from virtual network's resource group)
- Instance details:
 - Name: virtue_gateway
 - Region: East US
 - Gateway type: VPN (selected), ExpressRoute
 - VPN type: Route-based (selected), Policy-based
 - SKU: Basic
 - Generation: Generation1
 - Virtual network: virtue (with a link to 'Create virtual network')

At the bottom, there are buttons for 'Review + create', 'Previous', 'Next: Tags >', and 'Download a template for automation'. An 'Activate Windows' watermark is visible in the bottom right corner.

The screenshot shows the 'Overview' page for the deployment 'Microsoft.VirtualNetworkGateway-20211119163757'. The page indicates that the deployment is complete. The deployment details are as follows:

- Deployment name: Microsoft.VirtualNetworkGateway-20211119163757
- Subscription: Free Trial
- Resource group: assesment

There are links for 'Deployment details (Download)' and 'Next steps' with a 'Go to resource' button. A 'Notifications' panel on the right shows the following events:

- Deployment succeeded**: Deployment 'Microsoft.VirtualNetworkGateway-20211119163757' to resource group 'assesment' was successful. (a few seconds ago)
- Successfully added subnet**: Successfully added subnet 'GatewaySubnet' to virtual network 'virtue'. (35 minutes ago)
- Deployment succeeded**: Deployment 'Microsoft.VirtualNetwork-20211119163120' to resource group 'assesment' was successful. (38 minutes ago)

At the bottom, there is a notification about the remaining credit: '₹13,895.32 credit remaining' and a link to 'Go to Settings to activate Windows'. An 'Activate Windows' watermark is also present.

Add extra NIC to both windows machine and create a public ip for that them.

The screenshot shows the Microsoft Azure portal interface. On the left, the 'Virtual machines' section is expanded, showing a list of VMs: machine02 and machine03. The main pane displays the 'Networking' settings for 'machine02'. The 'interface01' tab is selected, showing the IP configuration as 'ipconfig1 (Primary)'. Below this, the 'Network Interface: interface01' section is visible, including links for 'Effective security rules', 'Troubleshoot VM connection issues', and 'Topology'. The 'Virtual network/subnet' is 'virtue/duck' and the 'NIC Public IP' is '57.80.137.7'. The 'Accelerated networking' is set to 'Disabled'. The 'Inbound port rules' section shows a table with one rule: 'AllowVnetInBound' with a priority of 65000. The 'Outbound port rules', 'Application security groups', and 'Load balancing' sections are also visible.

Priority	Name	Port	Protocol	Source
65000	AllowVnetInBound	Any	Any	VirtualN

The screenshot shows the Microsoft Azure portal interface. On the left, the 'Virtual machines' section is expanded, showing a list of VMs: machine02 and machine03. The main pane displays the 'Networking' settings for 'machine03'. The 'interface_02' tab is selected, showing the IP configuration as 'ipconfig1 (Primary)'. Below this, the 'Network Interface: interface_02' section is visible, including links for 'Effective security rules', 'Troubleshoot VM connection issues', and 'Topology'. The 'Virtual network/subnet' is 'virtue/duck' and the 'NIC Public IP' is '57.80.137.8'. The 'Accelerated networking' is set to 'Disabled'. The 'Inbound port rules' section shows a table with one rule: 'AllowVnetInBound' with a priority of 65000. The 'Outbound port rules', 'Application security groups', and 'Load balancing' sections are also visible.

Priority	Name	Port	Protocol	Source
65000	AllowVnetInBound	Any	Any	VirtualN

Microsoft Azure portal interface showing the 'Public IP addresses' page. The left sidebar lists several public IP addresses, including 'ipnew'. The main content area displays the details for 'ipnew', including its location (East US), subscription ID (90874123-a60b-4e6b-960b-333230ab3831), and associated interface (interface01). A notification banner at the top right indicates an upgrade to Standard SKU. The bottom status bar shows the time as 07:50 PM on 19-11-2021.

Public IP addresses

DXC Production (CSCPortal.onmicrosoft.com)

Filter for any field...

Name ↑

- 172.0.25.0
- gateway_ip_new
- ipnew
- machine01-ip
- machine02-ip
- machine03-ip
- new
- newip

Page 1 of 1

Overview

- Activity log
- Access control (IAM)
- Tags
- Settings
 - Configuration
 - Properties
 - Locks
- Monitoring
 - Insights
 - Alerts
 - Metrics
 - Diagnostics settings

Upgrade to Standard SKU - Microsoft recommends Standard SKU public IP address for production workloads →

Essentials

Resource group (Move) [assessment](#)

Location East US

Subscription (Move) [Free Trial](#)

Subscription ID 90874123-a60b-4e6b-960b-333230ab3831

SKU Basic

Tier Regional

IP address 20.124.115.49

DNS name -

Associated to [interface01](#)

Tags (Edit) [Click here to add tags](#)

[See more](#)

Activate Windows
Go to Settings to activate Windows.

Microsoft Azure portal interface showing the 'Public IP addresses' page. The left sidebar lists several public IP addresses, including 'newip'. The main content area displays the details for 'newip', including its location (East US), subscription ID (90874123-a60b-4e6b-960b-333230ab3831), and associated interface (interface_02). A notification banner at the top right indicates an upgrade to Standard SKU. The bottom status bar shows the time as 07:50 PM on 19-11-2021.

Public IP addresses

DXC Production (CSCPortal.onmicrosoft.com)

Filter for any field...

Name ↑

- 172.0.25.0
- gateway_ip_new
- ipnew
- machine01-ip
- machine02-ip
- machine03-ip
- new
- newip

Page 1 of 1

Overview

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Upgrade to Standard SKU - Microsoft recommends Standard SKU public IP address for production workloads →

Essentials

Resource group (Move) [assessment](#)

Location East US

Subscription (Move) [Free Trial](#)

Subscription ID 90874123-a60b-4e6b-960b-333230ab3831

SKU Basic

Tier Regional

IP address 20.124.112.72

DNS name -

Associated to [interface_02](#)

Tags (Edit) [Click here to add tags](#)

[See more](#)

Activate Windows
Go to Settings to activate Windows.

Create new virtual network named as Mario, and create peering with Virtual Network(Virtue)

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a user profile for 'anitha.g@dxc.com'. The main content area is titled 'mario | Peerings' and shows a list of peerings. The left sidebar contains a navigation menu with options like 'DDoS protection', 'Firewall', 'Security', 'Network manager', 'DNS servers', 'Peerings', 'Service endpoints', 'Private endpoints', 'Properties', 'Locks', 'Monitoring', 'Alerts', and 'Metrics'. The 'Peerings' section is active, displaying a table with the following data:

Name	Peering status	Peer	Gateway transit
link_mario_virtue	Connected	virtue	Disabled

The Windows taskbar at the bottom shows the time as 05:16 PM on 19-11-2021.

Create dynamic routing table and add to any created subnet.

The screenshot shows the Microsoft Azure portal interface for 'Route tables'. The top navigation bar is similar to the previous screenshot. The main content area is titled 'Route tables' and shows a list of route tables. The left sidebar contains a navigation menu with options like 'Create', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Feedback', and 'Leave preview'. The 'Route tables' section is active, displaying a table with the following data:

Name	Resource group	Location	Subscription
dynamictable_01	routegroup	East US	Free Trial

The Windows taskbar at the bottom shows the time as 07:57 PM on 19-11-2021.