

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

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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 ducksubnet 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

1. 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 top navigation bar includes the 'Microsoft Azure' logo, an 'Upgrade' button, a search bar, and a user profile for 'nitish.venkata@dxc.com'. The main content area displays the 'Overview' page for a virtual network named 'virtue'. The left sidebar contains a navigation menu with options like 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings', 'Address space', 'Connected devices', 'Subnets', 'DDoS protection', 'Firewall', and 'Security'. The 'Overview' page shows the following details:

- Resource group (Move):** practice
- Location:** East US
- Subscription (Move):** Free Trial
- Subscription ID:** 88a26aba-1558-4d72-bd54-c190a1a78464
- Tags (Edit):** Click here to add tags
- Connected devices:** Search connected devices
- Address space:** 57.80.0.0/16
- DNS servers:** Azure provided DNS service

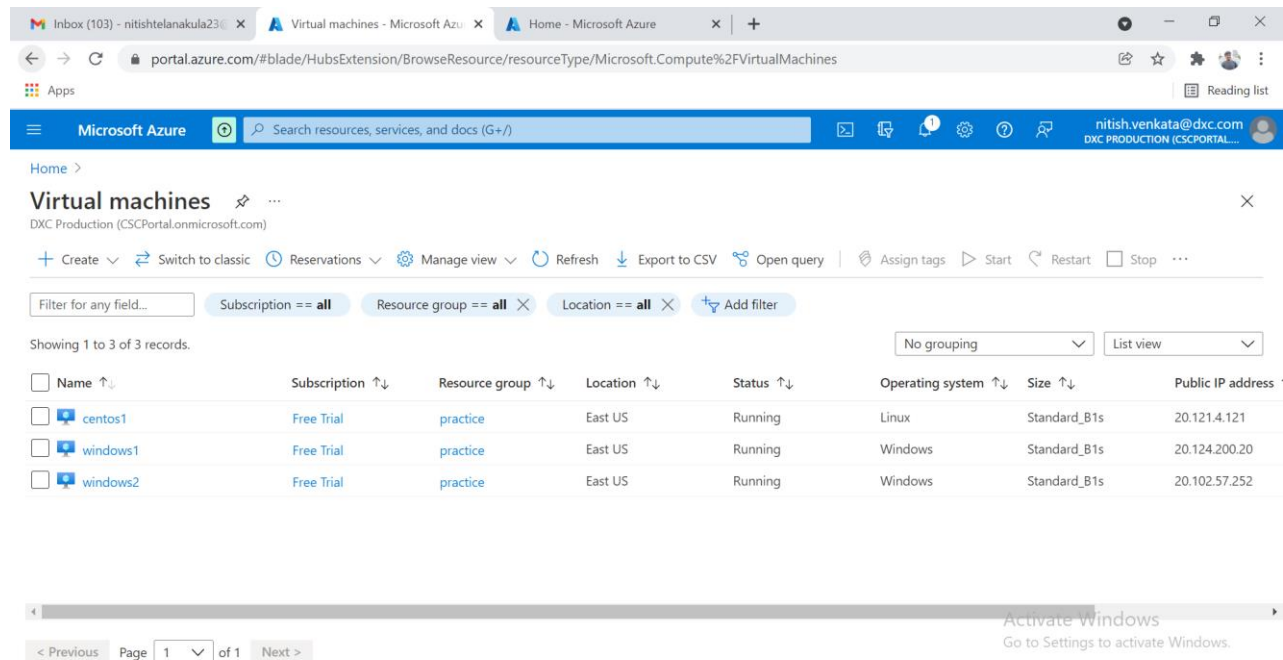
Below these details is a table for 'Connected devices' with columns: Device, Type, IP Address, and Subnet. The table currently shows 'No results.'.

The screenshot shows the Microsoft Azure portal interface, specifically the 'Subnets' page for the virtual network 'virtue'. The left sidebar is the same as in the previous screenshot. The 'Subnets' page displays a table of subnets with the following columns: Name, IPv4, IPv6, Available IPs, Delegated to, Security group, and Route table. The table contains one subnet named 'duck'.

Name	IPv4	IPv6	Available IPs	Delegated to	Security group	Route table
duck	57.80.137.0/24	-	251	-	-	-

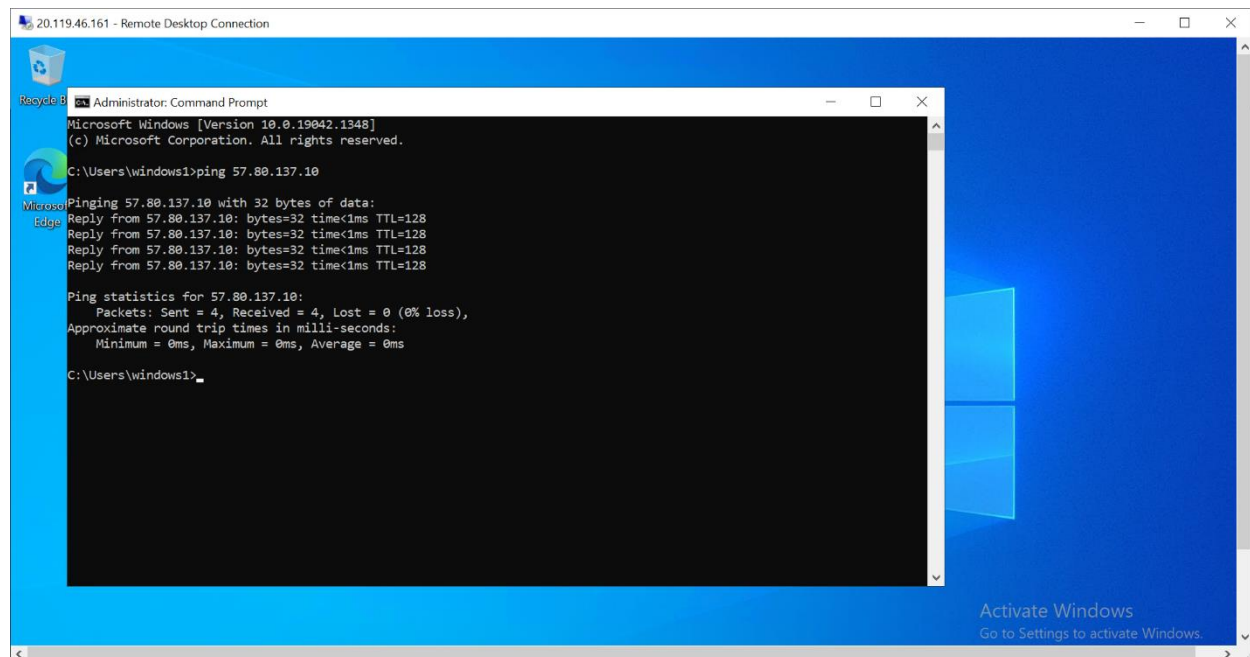
At the bottom right of the page, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'

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



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for nitish.venkata@dxc.com. The main heading is "Virtual machines" with a subheading "DXC Production (CSPortal.onmicrosoft.com)". Below the heading, there are filters for Subscription, Resource group, and Location, all set to "all". The table displays 3 records of virtual machines.

Name	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address
centos1	Free Trial	practice	East US	Running	Linux	Standard_B1s	20.121.4.121
windows1	Free Trial	practice	East US	Running	Windows	Standard_B1s	20.124.200.20
windows2	Free Trial	practice	East US	Running	Windows	Standard_B1s	20.102.57.252



The screenshot shows a Remote Desktop Connection to a Windows VM. The desktop background is the Windows 10 logo. A Command Prompt window is open, displaying the results of a ping command to 57.80.137.10. The output shows four successful replies with 0% loss.

```
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\windows1>ping 57.80.137.10

Pinging 57.80.137.10 with 32 bytes of data:
Reply from 57.80.137.10: bytes=32 time<1ms TTL=128
Reply from 57.80.137.10: bytes=32 time<1ms TTL=128
Reply from 57.80.137.10: bytes=32 time<1ms TTL=128
Reply from 57.80.137.10: bytes=32 time<1ms TTL=128

Ping statistics for 57.80.137.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\windows1>
```

3. Create virtual network gateway for Virtue.

The screenshot shows the Microsoft Azure portal interface. The breadcrumb navigation indicates the path: Home > Virtual network gateways > gatewayv_net. The left-hand navigation pane is expanded to show the 'Settings' section, with 'Configuration' selected. The main content area displays the 'Essentials' tab for the 'gatewayv_net' virtual network gateway. Key details include: Resource group (Move) 'practice', Location 'East US', Subscription (Move) 'Free Trial', Subscription ID '88a26aba-1558-4d72-bd54-c190a1a78464', SKU 'Basic', Gateway type 'VPN', VPN type 'Route-based', Virtual network 'virtue', and Public IP address '20.124.15.54 (gateway_public_ip)'. Below the essentials, there are sections for 'Tags (Edit)', 'Health check', and 'Documentation'. An 'Activate Windows' watermark is visible in the bottom right corner of the portal.

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

The screenshot shows the Microsoft Azure portal interface for a virtual machine named 'windows1'. The breadcrumb navigation indicates the path: Home > Virtual machines > windows1. The left-hand navigation pane is expanded to show the 'Settings' section, with 'Networking' selected. The main content area displays the 'Networking' tab for the 'windows1' virtual machine. It shows the network interface 'windows113' with a public IP address of '20.119.46.161'. Below this, there are tabs for 'Inbound port rules', 'Outbound port rules', 'Application security groups', and 'Load balancing'. The 'Inbound port rules' tab is active, showing a table of rules. An 'Add inbound port rule' button is visible. An 'Activate Windows' watermark is visible in the bottom right corner of the portal.

Priority	Name	Port	Protocol	Source	Destination
300	RDP	3389	TCP	Any	Any
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork

Microsoft Azure portal interface showing the Networking settings for a virtual machine named windows2. The left sidebar lists various settings including Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Disks, Size, Security, and Advisor recommendations. The main content area displays the IP configuration for the windows2670 NIC, showing the IP address 20.119.43.19 and the network interface windows2670. Below this, the inbound port rules are listed, including RDP (port 3389) and AllowWnetInBound (port 65000). A warning message indicates that the network security group windows2nsg822 is attached to the network interface windows2670 and impacts 0 subnets, 1 network interfaces. A button labeled 'Add inbound port rule' is visible.

Priority	Name	Port	Protocol	Source	Destination
300	RDP	3389	TCP	Any	Any
65000	AllowWnetInBound	Any	Any	VirtualNetwork	VirtualNetwork

Microsoft Azure portal interface showing the Public IP address settings for a public IP address named ip1. The left sidebar lists various settings including Properties, Locks, Monitoring, Insights, Alerts, Metrics, Diagnostic settings, Automation, Tasks (preview), Export template, Support + troubleshooting, and New Support Request. The main content area displays the Essentials section, showing the resource group practice, location East US (Zone 1, 3, 2), subscription 88a26aba-1558-4d72-bd54-c190a1a78464, and the IP address 20.81.50.50. A warning message indicates that the public IP address is not associated to any virtual machine. A button labeled 'Associate' is visible.

Property	Value
Resource group (Move)	practice
Location	East US (Zone 1, 3, 2)
Subscription (Move)	88a26aba-1558-4d72-bd54-c190a1a78464
IP address	20.81.50.50
DNS name	-
Associated to	-

Microsoft Azure portal interface showing the details of a Public IP address named 'ip2'.

Overview

Search (Ctrl+/)

Associate X Dissociate → Move Delete Refresh

Essentials

Resource group (Move) [practice](#) SKU: Standard

Location: East US (Zone 1, 3, 2) Tier: Regional

Subscription (Move) [Free Trial](#) IP address: 52.191.216.205

Subscription ID: 88a26aba-1558-4d72-bd54-c190a1a78464 DNS name: -

Associated to: -

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

[See more](#)

Activate Windows
Go to Settings to activate Windows.

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

Microsoft Azure portal interface showing the details of a Virtual Network named 'Mario'.

Mario | Peerings

Virtual network

Search (Ctrl+/)

+ Add Refresh Sync

Filter by name... Peering status == all

Name ↑↓	Peering status ↑↓	Peer ↑↓	Gateway transit ↑↓
Mario_virtue	Connected	virtue	Disabled

Activate Windows
Go to Settings to activate Windows.

6.Create dynamic routing table and add to any created subnet.

Home > practice_route

practice_route | Subnets

Route table

Search (Ctrl+/)

+ Associate

Search subnets

Name ↑↓	Address range ↑↓	Virtual network ↑↓	Security group ↑↓
route_sub	10.0.1.0/24	Mario	-

Activate Windows
Go to Settings to activate Windows.