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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).

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the 'Virtual networks' list, with 'Virtue' selected. The main pane shows the 'Subnets' view for the 'Virtue' virtual network. A table lists the subnets, with 'duck' being the only one shown. The table has columns for Name, IPv4, IPv6, Available IPs, and Delegated.

Name	IPv4	IPv6	Available IPs	Delegated
duck	57.80.137.0/24	-	251	-

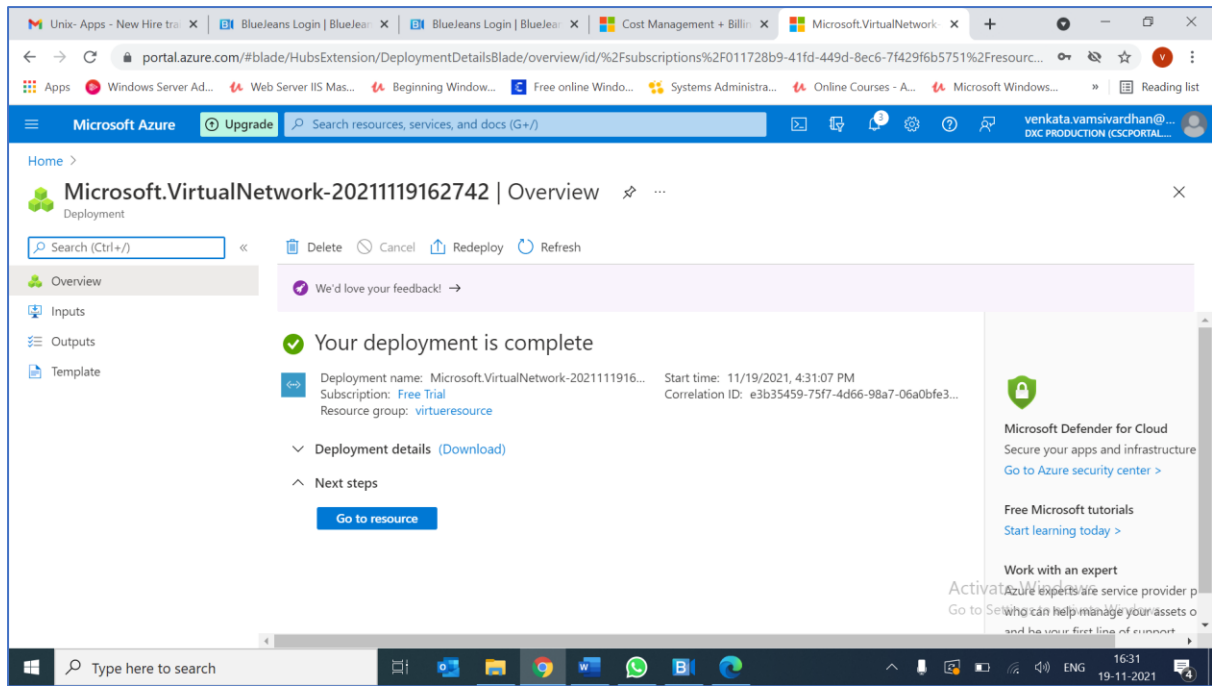
The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the 'Virtual networks' list, with 'Virtue' selected. The main pane shows the 'Overview' view for the 'Virtue' virtual network. The 'Essentials' section displays key information about the virtual network, including its resource group, location, subscription, and address space.

Essentials

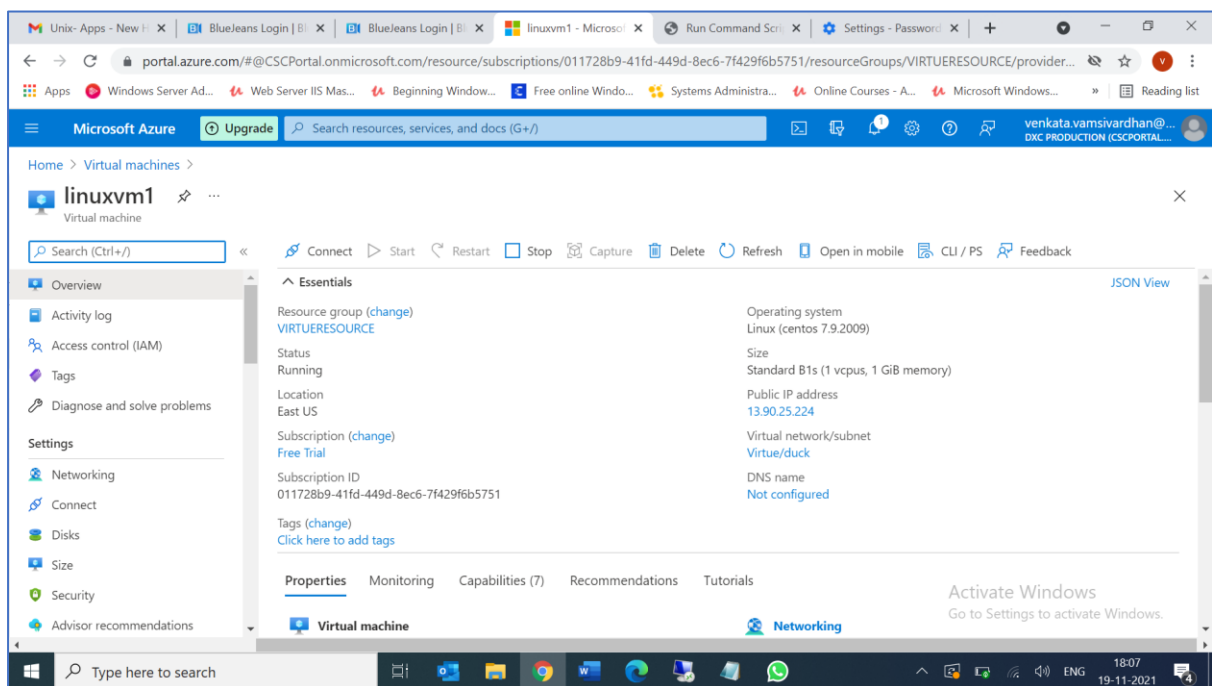
- Resource group (change): virtueresource
- Location: East US
- Subscription (change): Free Trial
- Subscription ID: 011728b9-41fd-449d-8ec6-7f429f6b5751
- Tags (change): Click here to add tags
- Connected devices: No results.

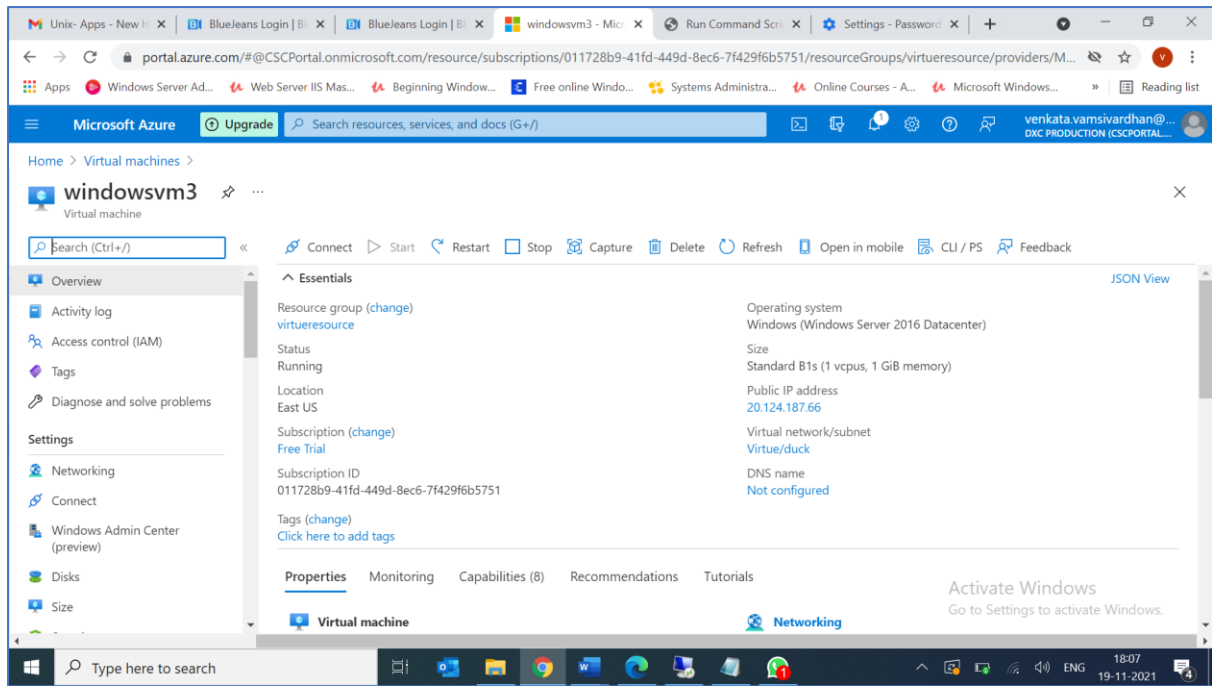
Address space

- Address space: 57.80.0.0/16
- DNS servers: Azure provided DNS service

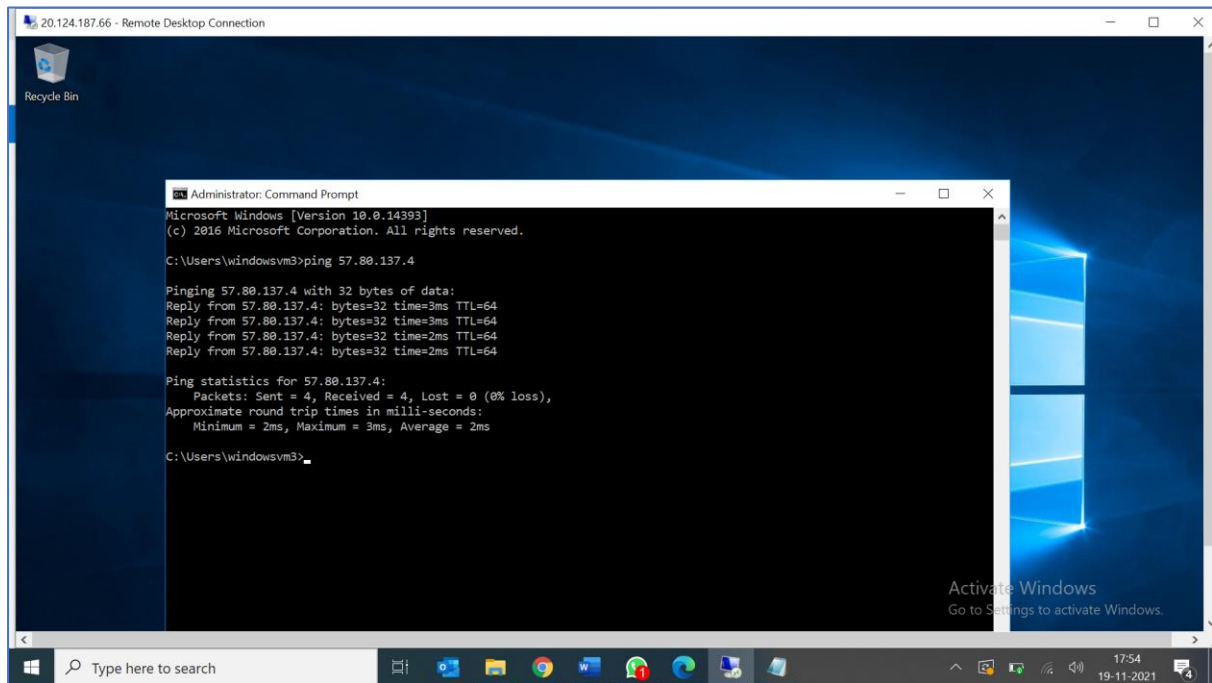


2. Create 3 virtual machines one Linux(centos/ubuntu) and 2 windows, add them in duck subnet and check availability with ping command.





Pinging is working as below



3. Create virtual network gateway for Virtue.

The screenshot displays the Azure portal interface for a virtual network gateway. The left sidebar shows navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Connections, Point-to-site configuration, Properties, Locks), and Monitoring. The main content area is titled 'virtue_gateway' and includes a search bar, 'Refresh', 'Move', and 'Delete' buttons. Below these are sections for 'Updating', 'Essentials' (Resource group, Location, Subscription, Subscription ID, Tags), 'Health check', and 'Documentation'. The 'Essentials' section lists the following details:

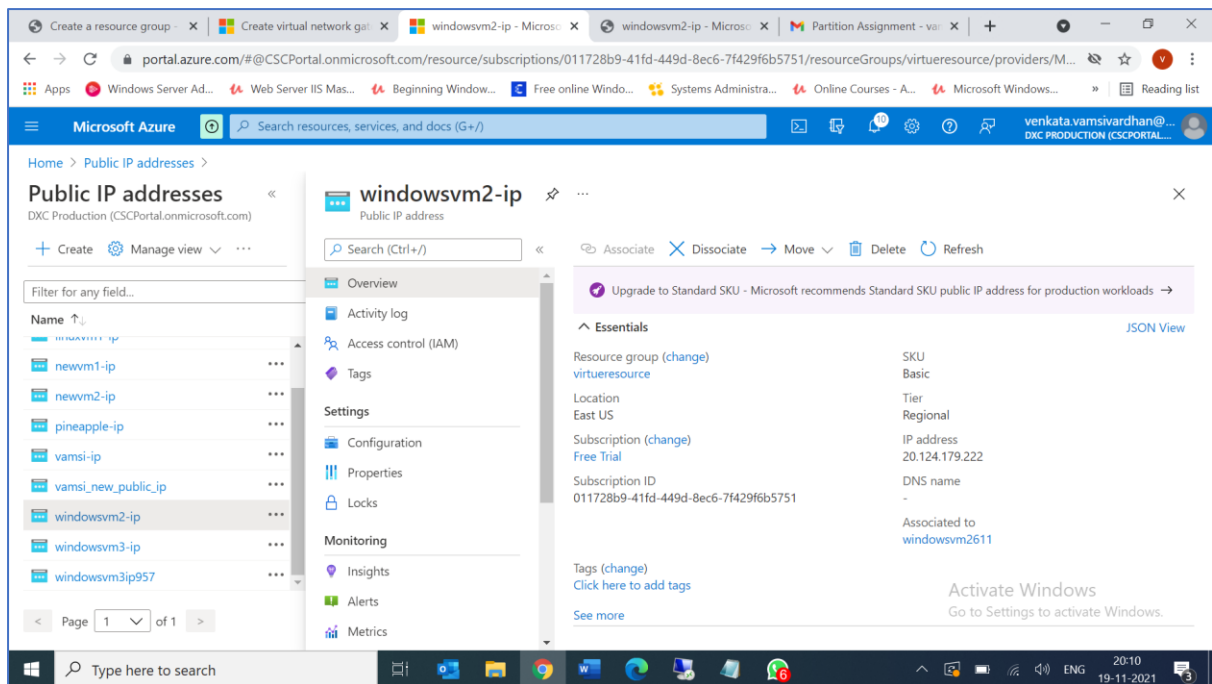
Property	Value
Resource group	Virtue
Location	East US
Subscription	Free Trial
Subscription ID	bdfc8856-f75e-4d10-8a71-e6576f26e3cd
SKU	Basic
Gateway type	VPN
VPN type	Route-based
Virtual network	virtue
Public IP address	- (gateway1)

At the bottom, there is a 'Health check' section with a 'Perform a quick health check' button and a 'Documentation' section with a 'View guidance' button. An 'Activate Windows' watermark is visible in the bottom right corner.

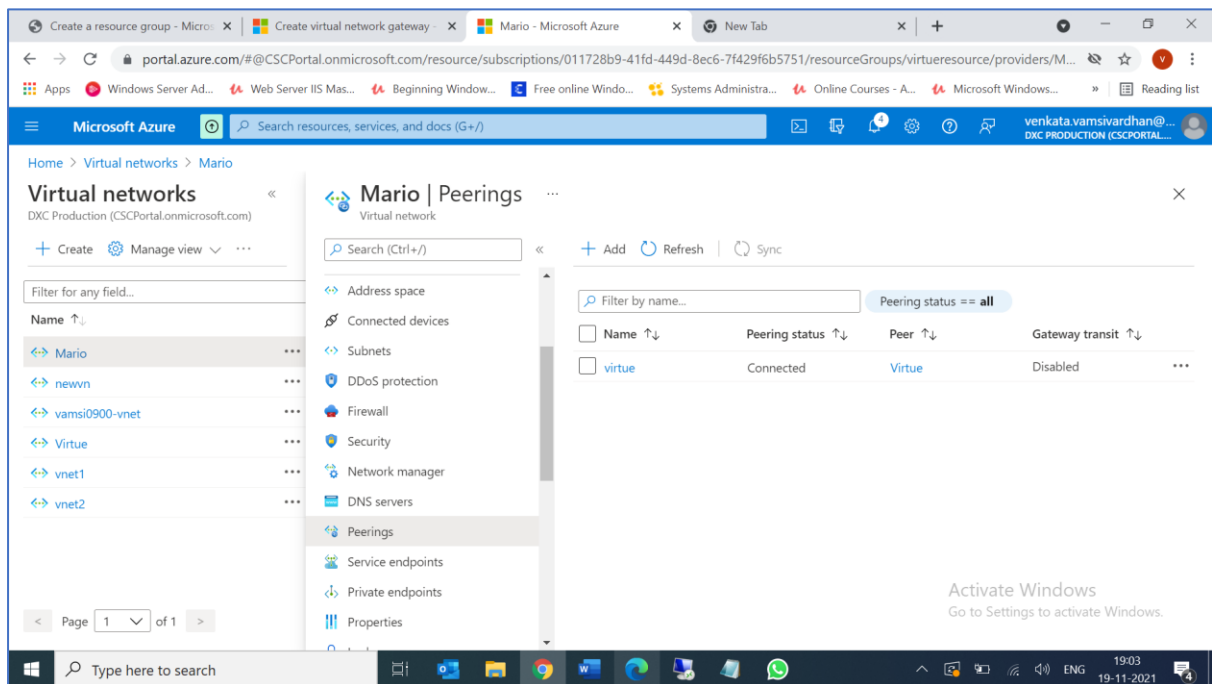
The screenshot displays the Azure portal interface for a virtual network named 'virtue'. The left sidebar shows navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Address space, Connected devices, Subnets, DDoS protection, Firewall), and Monitoring. The main content area is titled 'virtue | Subnets' and includes a search bar, '+ Subnet', '+ Gateway subnet', 'Refresh', 'Manage users', and 'Delete' buttons. Below these are sections for 'Search subnets' and a table listing the subnets.

Name	IPv4	IPv6	Available IPs	Delegated
duck	57.80.137.0/24	-	246	-
GatewaySubnet	57.80.0.0/24	-	availability dependent ...	-

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.

The screenshot shows the Microsoft Azure portal interface. The breadcrumb navigation indicates the path: Home > Route tables > drt. The page title is 'Route table' with a sub-header 'drt'. A search bar is present with the text 'Search (Ctrl+/)'. Below the search bar, there are tabs for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings', 'Configuration', 'Routes', 'Subnets', 'Properties', 'Locks', and 'Monitoring'. The 'Overview' tab is selected. The main content area shows the 'Route table' details for 'drt'. It includes a 'Move' button, 'Delete', 'Refresh', and 'Give feedback' options. The 'Essentials' section displays the resource group (virtueresource), location (East US), subscription (011728b9-41fd-449d-8ec6-7f429f6b5751), and subscription ID. The 'Routes' section shows a search bar and a table with columns: Name, Address prefix, Next hop type, and Next hop IP address. The table currently shows 'No results'.

Name	Address prefix	Next hop type	Next hop IP address
No results.			

The screenshot shows the Microsoft Azure portal interface. The breadcrumb navigation indicates the path: Home > Virtual networks > Mario. The page title is 'Virtual networks' with a sub-header 'Mario | Subnets'. A search bar is present with the text 'Search (Ctrl+/)'. Below the search bar, there are tabs for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings', 'Address space', 'Connected devices', 'Subnets', 'DDoS protection', 'Firewall', and 'Security'. The 'Subnets' tab is selected. The main content area shows the 'Subnets' details for 'Mario'. It includes a search bar and a table with columns: Available IPs, Delegated to, Security group, and Route table. The table shows two subnets, both with an available IP of 251. The first subnet is associated with the 'drt' route table.

Available IPs	Delegated to	Security group	Route table
251	-	-	-
251	-	-	drt