

# **LOYALIST COLLEGE IN TORONTO**

## **In-Class Lab - 1**

**Course Code – CLOD1004**

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# TASK 1: CREATING VNET

To create a vnet we need to get to virtual networks section

The screenshot shows the Microsoft Azure portal's Virtual Networks page. At the top, there is a search bar and filter options for Subscription, Resource group, and Location. Below this, a message says "Showing 0 to 0 of 0 records." In the center, there is a large icon of two overlapping arrows pointing in opposite directions. Below the icon, the text "No virtual networks to display" is centered. A descriptive message follows: "Create a virtual network to securely connect your Azure resources to each other. Connect your virtual network to your on-premises network using an Azure VPN Gateway or ExpressRoute." Below this message are two buttons: "Create virtual network" (in blue) and "Learn more". At the bottom right, there is a "Give feedback" link.

We are going to name is CoreServiceVnet

The screenshot shows the "Create virtual network" wizard on the Microsoft Azure portal. The current step is "Project details". The "Basics" tab is selected. The "Subscription" dropdown is set to "Azure for Students" and the "Resource group" dropdown is set to "(New) az104-rg". Below these fields, there is a "Create new" link. The "Virtual network name" field contains "CoreServicesVnet" and the "Region" dropdown is set to "(US) East US". At the bottom of the screen, there are "Previous" and "Next" buttons, and a "Review + create" button. The status bar at the bottom shows the weather as "29°C Mostly cloudy" and the date/time as "5/29/2024 6:10 PM".

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The IP address would be 10.20.0.0/16

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The current step is 'IP addresses'. A single subnet named 'default' is defined with an IP address range of 10.20.0.0 - 10.20.0.255 and a size of /24 (256 addresses). The main address space is 10.20.0.0/16, which covers 65,536 addresses. There is a link to 'Add a subnet'.

Later we create Two Subnet one with 10.20.10.0/24 in SharedServiceSubnet

The screenshot shows the 'Add a subnet' dialog box in the Microsoft Azure portal. A new subnet named 'SharedServicesSubnet' is being created with an IPv4 address range of 10.20.10.0 - 10.20.10.255 and a size of /24 (256 addresses). The main address space is 10.20.0.0/16. The dialog also includes sections for 'IPv6' and 'Private subnet'.

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Second one is with IP subnet of 10.20.20.0/24 DatabaseSubnet

The screenshot shows the Azure portal interface for creating a virtual network. On the left, there's a sidebar with 'InPrivate' and a user profile. The main navigation bar includes 'Microsoft Azure', 'Upgrade', 'Search resources, services, and docs (G+)', and a user account icon. Below the navigation, the path 'Home > Virtual networks > Create virtual network' is visible. The 'IP addresses' tab is selected. A 'Subnets' table lists two subnets: 'default' (10.20.0.0/24) and 'SharedServicesSubnet' (10.20.10.0/24). An 'Add IPv4 address space' dropdown is open, showing '10.20.0.0/16' with '10.20.0.0' and '/16' selected. To the right, the 'Add a subnet' dialog is open, titled 'Add a subnet'. It contains fields for 'Subnet purpose' (set to 'Default'), 'Name' (set to 'DatabaseSubnet'), and 'IPv4' settings. Under 'IPv4', 'Include an IPv4 address space' is checked, and the 'Starting address' is set to '10.20.20.0' with a 'Size' of '/24 (256 addresses)'. The 'IPv6' section is collapsed. At the bottom of the dialog are 'Add' and 'Cancel' buttons, and a note about NAT gateways.

After that we create the vnet

The screenshot shows the 'Create virtual network' wizard at the 'Review + create' step. The summary table on the left lists the following details:

Resource Group	az104-rg
Name	CoreServicesVnet
Region	East US
<b>Security</b>	
Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled
<b>IP addresses</b>	
Address space	10.20.0.0/16 (65,536 addresses)
Subnet	default (10.20.0.0/24) (256 addresses)
Subnet	SharedServicesSubnet (10.20.10.0/24) (256 addresses)
Subnet	DatabaseSubnet (10.20.20.0/24) (256 addresses)
<b>Tags</b>	

At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link. The status bar at the bottom shows the date and time as 6:16 PM 5/29/2024.

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## TASK 2:Create new vnet with template

Now we go to Template section after the network creation and download the template files later we edit the file to create a new vnet named ManufacturingVnet with ip address 10.30.0.0/16

Template.json

```
{
    "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "virtualNetworks_ManufacturingVnet_name": {
            "defaultValue": "ManufacturingVnet",
            "type": "String"
        }
    },
    "variables": {},
    "resources": [
        {
            "type": "Microsoft.Network/virtualNetworks",
            "apiVersion": "2023-11-01",
            "name": "[parameters('virtualNetworks_ManufacturingVnet_name')]",
            "location": "eastus",
            "properties": {
                "addressSpace": {
                    "addressPrefixes": [
                        "10.30.0.0/16"
                    ]
                },
                "encryption": {
                    "enabled": false,
                    "enforcement": "AllowUnencrypted"
                },
                "subnets": [
                    {
                        "name": "SensorSubnet1",
                        "id": "[resourceId('Microsoft.Network/virtualNetworks/subnets',
parameters('virtualNetworks_ManufacturingVnet_name'), 'SensorSubnet1')]",
                        "properties": {
                            "addressPrefixes": [

```

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```

        "10.30.20.0/24"
    ],
    "delegations": [],
    "privateEndpointNetworkPolicies": "Disabled",
    "privateLinkServiceNetworkPolicies": "Enabled"
},
{
    "name": "SensorSubnet2",
    "id": "[resourceId('Microsoft.Network/virtualNetworks/subnets',
parameters('virtualNetworks_ManufacturingVnet_name'), 'SensorSubnet2')]",
    "properties": {
        "addressPrefixes": [
            "10.30.21.0/24"
        ],
        "delegations": [],
        "privateEndpointNetworkPolicies": "Disabled",
        "privateLinkServiceNetworkPolicies": "Enabled"
},
{
    "type": "Microsoft.Network/virtualNetworks/subnets"
}
],
{
    "virtualNetworkPeerings": [],
    "enableDdosProtection": false
}
},
{
    "type": "Microsoft.Network/virtualNetworks/subnets",
    "apiVersion": "2023-11-01",
    "name": "[concat(parameters('virtualNetworks_ManufacturingVnet_name'),
'/SensorSubnet2')]",
    "dependsOn": [
        "[resourceId('Microsoft.Network/virtualNetworks',
parameters('virtualNetworks_ManufacturingVnet_name'))]"
],
    "properties": {
        "addressPrefixes": [
            "10.30.21.0/24"
        ],
        "delegations": [],
        "privateEndpointNetworkPolicies": "Disabled",
        "privateLinkServiceNetworkPolicies": "Enabled"
    }
}
]

```

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```

        }
    },
    {
        "type": "Microsoft.Network/virtualNetworks/subnets",
        "apiVersion": "2023-11-01",
        "name": "[concat(parameters('virtualNetworks_ManufacturingVnet_name'),
'/_SensorSubnet1')]",
        "dependsOn": [
            "[resourceId('Microsoft.Network/virtualNetworks',
parameters('virtualNetworks_ManufacturingVnet_name'))]"
        ],
        "properties": {
            "addressPrefixes": [
                "10.30.20.0/24"
            ],
            "delegations": [],
            "privateEndpointNetworkPolicies": "Disabled",
            "privateLinkServiceNetworkPolicies": "Enabled"
        }
    }
]
}

```

#### Parameter.json

```
{
    "$schema": "https://schema.management.azure.com/schemas/2015-01-01/deploymentParameters.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "virtualNetworks_ManufacturingVnet_name": {
            "value": null
        }
    }
}
```

Later we Upload those file to Custom Deployment in Azure console

The image shows two screenshots of the Microsoft Azure portal interface.

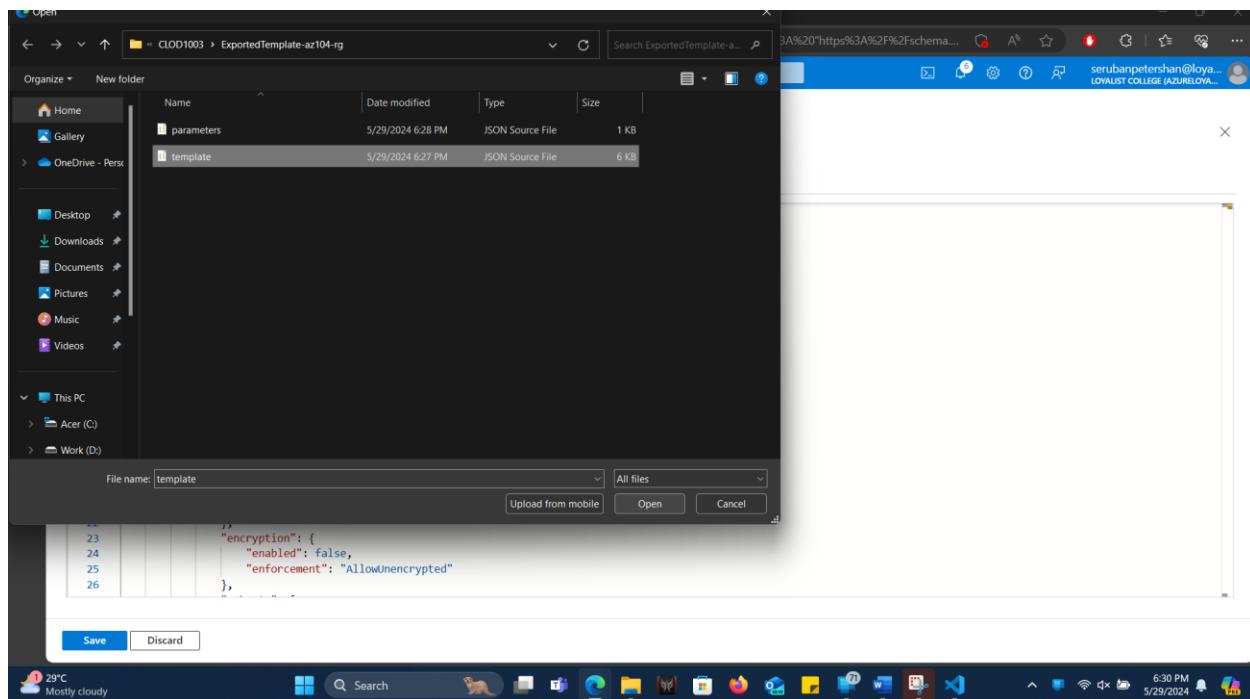
**Screenshot 1: Custom deployment blade**

This screenshot shows the 'Custom deployment' blade. It has a header bar with the URL <https://portal.azure.com/#create/Microsoft.Template>. Below the header, there's a title 'Custom deployment' with a '... more' link. A sub-header says 'Deploy from a custom template'. There are three tabs: 'Select a template' (which is selected), 'Basics', and 'Review + create'. A note below the tabs says 'Automate deploying resources with Azure Resource Manager templates in a single, coordinated operation. Create or select a template below to get started.' followed by a link 'Learn more about template deployment'. Below this, there's a section titled 'Common templates' with icons for creating a Linux virtual machine, Windows virtual machine, web app, SQL database, and Azure landing zone. Another section titled 'Start with a quickstart template or template spec' shows 'Template source' with 'Quickstart template' selected (indicated by a blue circle) and 'Template spec' as an option. A dropdown menu for 'Quickstart template (disclaimer)' is open. At the bottom left, there's a link to 'https://portal.azure.com/#' and at the bottom right, system status information: 29°C, Mostly cloudy, 6:29 PM, 5/29/2024.

**Screenshot 2: Edit template blade**

This screenshot shows the 'Edit template' blade. The URL is <https://portal.azure.com/#view/HubsExtension/TemplateEditorBladeV2/template/%7B%0A%20%20%20%24schema%3A%20%20%2Fschema...>. The title is 'Edit template' with a '... more' link. Below it, it says 'Edit your Azure Resource Manager template'. There are buttons for '+ Add resource', 'Quickstart template', 'Load file', and 'Download'. The main area is a code editor showing an ARM template JSON code. The code defines a virtual network named 'ManufacturingVnet' with a single address space '10.30.0.0/16' and no encryption enforcement. Lines 2 through 26 of the code are visible. At the bottom, there are 'Save' and 'Discard' buttons. The system status at the bottom right shows 29°C, Mostly cloudy, 6:31 PM, 5/29/2024.

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The screenshot shows the Microsoft Azure portal's 'Edit template' blade. The URL is [https://portal.azure.com/#view/HubsExtension/TemplateEditorBladeV2/template/%7B%0A%20%20%20%24schema%3A%20"https%3A%2F%2Fschema...](https://portal.azure.com/#view/HubsExtension/TemplateEditorBladeV2/template/%7B%0A%20%20%20%24schema%3A%20). The template editor displays the same JSON code as the previous screenshot, with lines 23 through 26 defining the encryption settings for a virtual network resource.

After you upload them it will be created for you

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# TASK3:Create application security group and Network Security group

The screenshot shows two windows from the Microsoft Azure portal.

**Top Window: Create an application security group - Microsoft Azure - [InPrivate]**

This window shows the 'Create an application security group' wizard. The 'Basics' tab is selected. Under 'Project details', the subscription is set to 'Azure for Students' and the resource group is 'az104-rg'. Under 'Instance details', the name is 'asg-web' and the region is 'East US'. At the bottom, there are 'Review + create' and 'Next : Tags >' buttons.

**Bottom Window: Network security groups - Microsoft Azure - [InPrivate]**

This window shows the 'Network security groups' page. It displays a message: 'No network security groups to display'. Below this, it says 'Create a network security group with rules to filter inbound traffic to, and outbound traffic from, virtual machines and subnets.' A 'Create network security group' button is visible.

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InPrivate

Create network security group - Microsoft Azure - [InPrivate]

Microsoft Azure

https://portal.azure.com/#create/Microsoft.NetworkSecurityGroup-ARM

Search resources, services, and docs (G+)

Home > Network security groups >

## Create network security group

Validation passed

Basics Tags Review + create

**Basics**

Subscription	Azure for Students
Resource group	az104-rg
Region	East US
name	myNSSecure

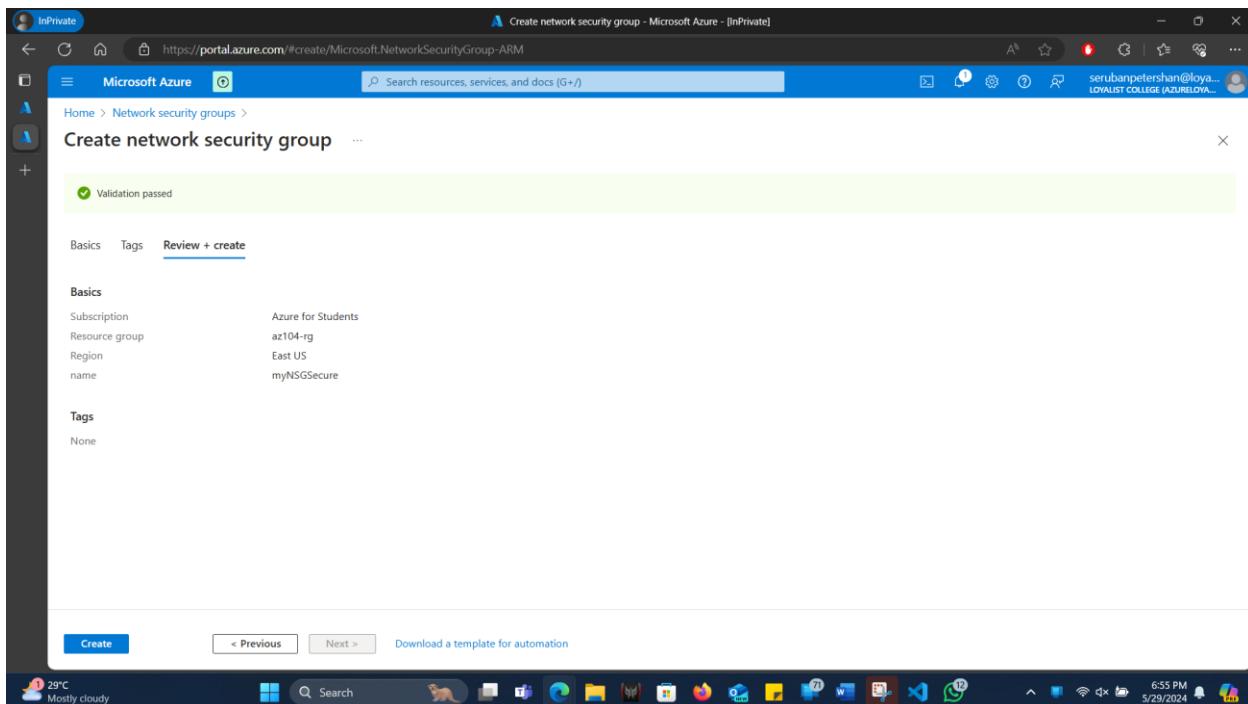
**Tags**

None

Create < Previous Next > Download a template for automation

29°C Mostly cloudy Search

6:55 PM 5/29/2024



InPrivate

Microsoft.NetworkSecurityGroup-20240529185511 - Microsoft Azure - [InPrivate]

Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/-/overview/id/%2Fsubscriptions%2F65662722-b768-445b-98b0-e8af6c7b0f875%2Fresource... A

Home >

## Microsoft.NetworkSecurityGroup-20240529185511 | Overview

Deployment

Overview Inputs Outputs Template

Your deployment is complete

Deployment name : Microsoft.NetworkSecurityGroup-202405291855... Start time : 5/29/2024, 6:55:50 PM  
Subscription : Azure for Students Correlation ID : ea748f9f-46c1-496b-8221-04a37d4c2103  
Resource group : az104-rg

Deployment details Next steps

Go to resource

Give feedback Tell us about your experience with deployment

Deployment succeeded Deployment 'Microsoft.NetworkSecurityGroup-20240529185511' to resource group 'az104-rg' was successful.

Go to resource Pin to dashboard Go to resource

Cost management Get notified to stay within your budget and prevent unexpected charges on your bill.  
Set up cost alerts >

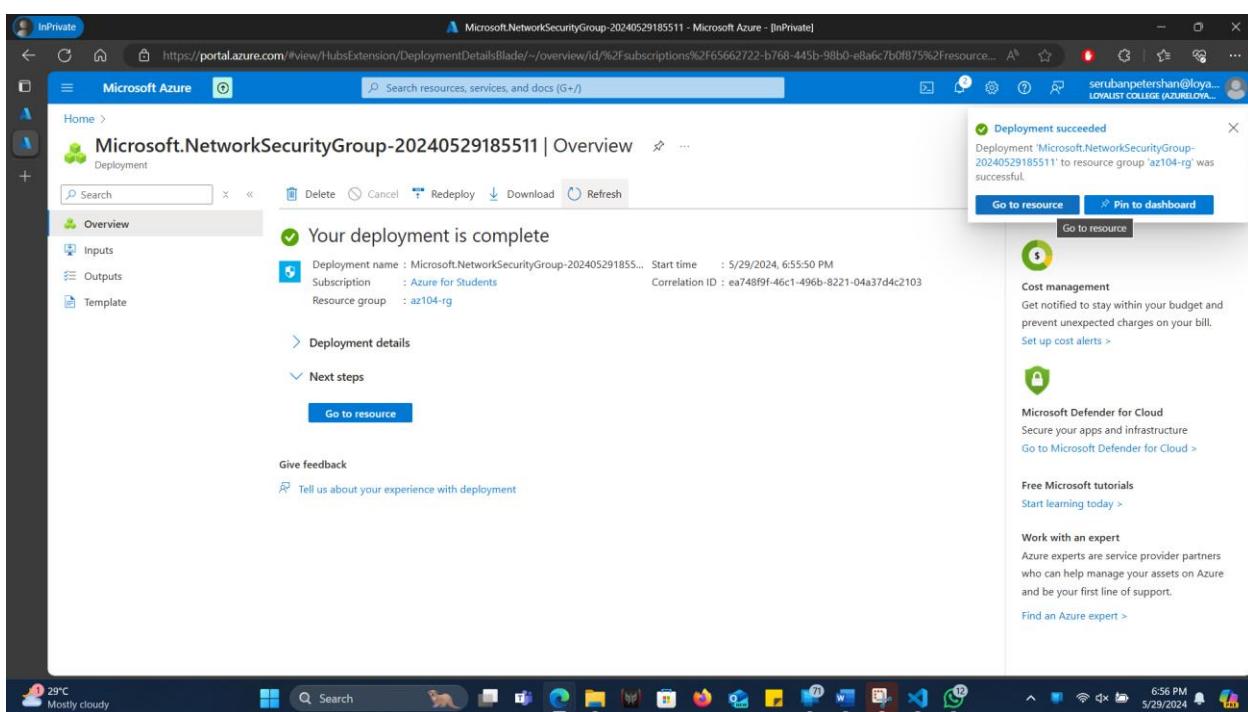
Microsoft Defender for Cloud Secure your apps and infrastructure  
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29°C Mostly cloudy Search

6:56 PM 5/29/2024



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The screenshot shows the Microsoft Azure portal interface. On the left, there is a sidebar with various navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Inbound security rules, Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Automation, and Help. The 'Subnets' option is currently selected. In the main content area, there is a search bar and a table with columns 'Name' and 'Address range'. Below the table, it says 'No results.' On the right, a modal dialog titled 'Associate subnet' is open. It has fields for 'Virtual network' (set to 'CoreServicesVnet (az104-rg)') and 'Subnet' (set to 'SharedServicesSubnet'). At the bottom of the dialog is an 'OK' button.

Set the inbound rule for 80,443 ports to allow

The screenshot shows the Microsoft Azure portal interface. The left sidebar is identical to the previous screenshot. The main content area shows the 'Inbound security rules' section for the 'myNSGSecure' network security group. A table lists four existing rules: 'AllowVnetInbound' (Priority 65000, Port Any, Protocol Any), 'AllowAzureLoadBalancer...' (Priority 65001, Port Any, Protocol Any), 'DenyAllInbound' (Priority 65500, Port Any, Protocol Any), and another unnamed rule (Priority 65000, Port Any, Protocol Any). To the right of the table, a modal dialog titled 'Add inbound security rule' is open. It has fields for 'Source' (set to 'Application security group'), 'Source application security groups' (set to 'asg-web'), 'Source port ranges' (set to '\*'), 'Destination' (set to 'Any'), 'Service' (set to 'Custom'), 'Destination port ranges' (set to '80,443'), and 'Protocol' (set to 'TCP'). At the bottom of the dialog are 'Add' and 'Cancel' buttons.

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The screenshot shows the Microsoft Azure portal interface. The left sidebar is for 'myNSGSecure' (Network security group) and includes 'Inbound security rules'. The main area displays existing security rules: AllowVnetInBound (Priority 65000), AllowAzureLoadBalancer (Priority 65001), and DenyAllInBound (Priority 65500). A modal dialog titled 'Add inbound security rule' is open, showing fields for destination port range (80,443), protocol (TCP), action (Allow), priority (100), name (AllowASG), and description. The status bar at the bottom shows it's 6:59 PM on 5/29/2024.

Set the inbound rule for 8080 ports to deny

The screenshot shows the Microsoft Azure portal interface. The left sidebar is for 'myNSGSecure' (Network security group) and includes 'Outbound security rules'. The main area displays existing security rules: AllowVnetOutBound (Priority 65000), AllowInternetOutBound (Priority 65001), and DenyAllOutBound (Priority 65500). A modal dialog titled 'Add outbound security rule' is open, showing fields for source (Any), destination (Service Tag: Internet), service (Custom), destination port range (8080), protocol (Any), and action (Allow). The status bar at the bottom shows it's 7:02 PM on 5/29/2024.

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InPrivate

https://portal.azure.com/#@azureloyalistcollege.onmicrosoft.com/resource/subscriptions/65662722-b760-445b-98b0-e8af6c7b0f8/5/resourcegroups/az104-rg/provi... A<sup>h</sup>

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Microsoft.NetworkSecurityGroup-20240529185511 | Overview > myNSGSecure

myNSGSecure | Outbound security rules

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port range, and protocol. Rules with the same priority and direction as an existing rule will be overwritten.

Add Hide default rules Refresh Delete Give feedback

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks Monitoring Automation Help

Filter by name Port == all Protocol == all Source Priority ↑ Name ↑ Port ↑ Protocol ↑

Priority	Name	Port	Protocol
65000	AllowVnetOutBound	Any	Any
65001	AllowInternetOutBound	Any	Any
65500	DenyAllOutBound	Any	Any

Add Outbound security rule

Custom Destination port ranges \* 8080

Protocol Any TCP UDP ICMP

Action Allow Deny

Priority \* 4096 Please match the numeric format

Name \* DenyAnyCustom8080Outbound

Description

Add Cancel Give feedback

29°C Mostly cloudy

Search

7:02 PM 5/29/2024

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# TASK 4:Setting Public and Private DNS ZONES

The screenshot shows the Microsoft Azure portal with the URL <https://portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Network/dnsZones>. The page title is "DNS zones - Microsoft Azure - [InPrivate]". The top navigation bar includes "Microsoft Azure", a search bar, and user information "serubanpetershan@loya... LOYALIST COLLEGE (AZURELOYA...)". The main content area is titled "DNS zones" and shows a message: "No dns zones to display". It includes a "Create dns zone" button and links for "Get consistent" and "Learn more". The bottom status bar shows the date and time as "5/29/2024 7:03 PM".

## Creating a DNS Zone

The screenshot shows the "Create a DNS Zone" wizard on the "Basics" step. The URL is [https://portal.azure.com/#view/Microsoft\\_Azure\\_DNS/DnsZoneCreate.ReactView/\\_provisioningContext-/%7B" initialValues="%3A%7B" subscriptionIds "%3A%5B" 65662...](https://portal.azure.com/#view/Microsoft_Azure_DNS/DnsZoneCreate.ReactView/_provisioningContext-/%7B). The page title is "Create a DNS Zone - Microsoft Azure - [InPrivate]". The top navigation bar includes "Microsoft Azure", a search bar, and user information "serubanpetershan@loya... LOYALIST COLLEGE (AZURELOYA...)". The main content area shows "Project details" and "Instance details". In "Project details", "Subscription" is set to "Azure for Students" and "Resource group" is "az104-rg". In "Instance details", "Name" is "contosos.com" and "Resource group location" is "(US) East US". Buttons at the bottom include "Review + create", "< Previous", and "Next : DNS Zone Editor >". The bottom status bar shows the date and time as "5/29/2024 7:04 PM".

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InPrivate

Create a DNS Zone - Microsoft Azure - [InPrivate]

Microsoft Azure

Search resources, services, and docs (G+)

Home > DNS zones > Create a DNS Zone ...

Validation passed

Basics DNS Zone Editor Tags Review + Create

View automation template

**Basics**

Subscription	Azure for Students
Resource group	az104-rg
Resource group location	East US
Name	contosos.com

**DNS Zone Record Set(s)**

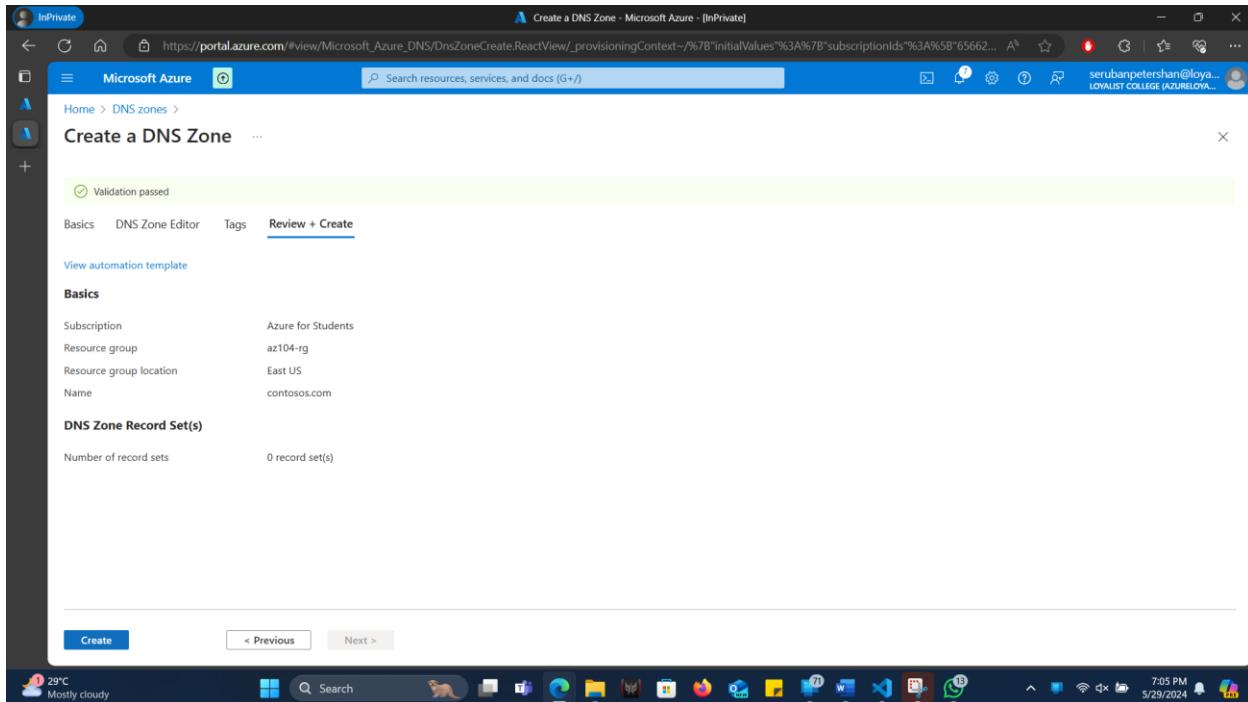
Number of record sets	0 record set(s)
-----------------------	-----------------

**Create** < Previous Next >

29°C Mostly cloudy

Search

7:05 PM 5/29/2024



InPrivate

contosos.com - Microsoft Azure - [InPrivate]

Microsoft Azure

Search resources, services, and docs (G+)

Home > contosos.com\_171702392941 | Overview

contosos.com DNS zone

Search

Child zone Record sets Import Export Move Refresh Delete

Overview

Activity log Access control (IAM) Tags Diagnose and solve problems Settings DNS Management Monitoring Automation Help

Essentials

Resource group (move) : az104-rg	Max number of record ... : 10000
Location (move) : Global	Name server 1 : ns1-36.azure-dns.com.
Subscription (move) : Azure for Students	Name server 2 : ns2-36.azure-dns.net.
Subscription ID : 65662722-b768-445b-98b0-e8a6c7b0f875	Name server 3 : ns3-36.azure-dns.org.
Recordsets : 2	Name server 4 : ns4-36.azure-dns.info.
Tags (edit) : Add tags	

Get Started Tutorials Tools + SDK

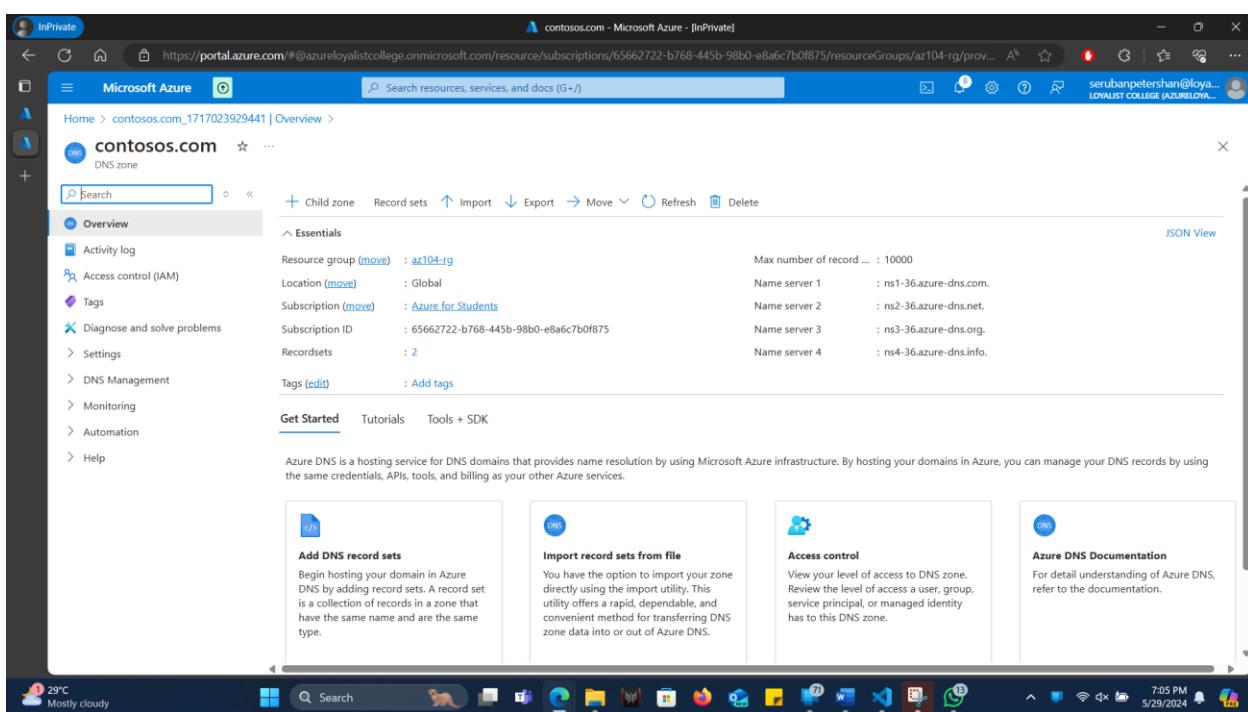
Azure DNS is a hosting service for DNS domains that provides name resolution by using Microsoft Azure infrastructure. By hosting your domains in Azure, you can manage your DNS records by using the same credentials, APIs, tools, and billing as your other Azure services.

Add DNS record sets Import record sets from file Access control Azure DNS Documentation

29°C Mostly cloudy

Search

7:05 PM 5/29/2024



## Click on add record sets

contosos.com - Microsoft Azure - [InPrivate]

Search resources, services, and docs (G+)

Microsoft Azure

contosos.com

DNS zone

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

DNS Management

Monitoring

Automation

Help

Child zone Record sets Import Export Move Refresh Delete

Resource group (move) : az104-rg

Location (move) : Global

Subscription (move) : Azure for Students

Subscription ID : 65662722-b768-445b-98b0-e8a6c7b0f875

Recordssets : 2

Tags (edit) : Add tags

Get Started Tutorials Tools + SDK

Azure DNS is a hosting service for DNS domains that provides name resolution by using Microsoft Azure infrastructure. By hosting your domains in Azure, you can manage your DNS records by using the same credentials, APIs, tools, and billing as your other Azure services.

Add DNS record sets

Import record sets from file

Access control

Azure DNS Documentation

29°C Mostly cloudy

7:06 PM 5/29/2024

Now when you click add and fill the form with ip 10.1.1.4 name as www

www - Microsoft Azure - [InPrivate]

Search resources, services, and docs (G+)

Microsoft Azure

Home > contosos.com

contosos.com | Recordsets

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

DNS Management

Recordssets

Monitoring

Automation

Help

Add Refresh Delete

Fetched 3 record set(s).

Name	Type	TTL	Value
@	NS	172800	ns1-36.azure-dns.net ns2-36.azure-dns.net ns3-36.azure-dns.net ns4-36.azure-dns.net
@	SOA	3600	Email: azuredns-hostmaster.microsoft.com Host: ns1-36.azure-dns.net Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 30 Serial number: 1
www	A	3600	10.1.1.24

WWW

contosos.com

Users

Name : www.contosos.com

Type : A

Alias record set : No

TTL \* : 1

TTL unit : Hours

IP address : 10.1.1.4

0.0.0.0

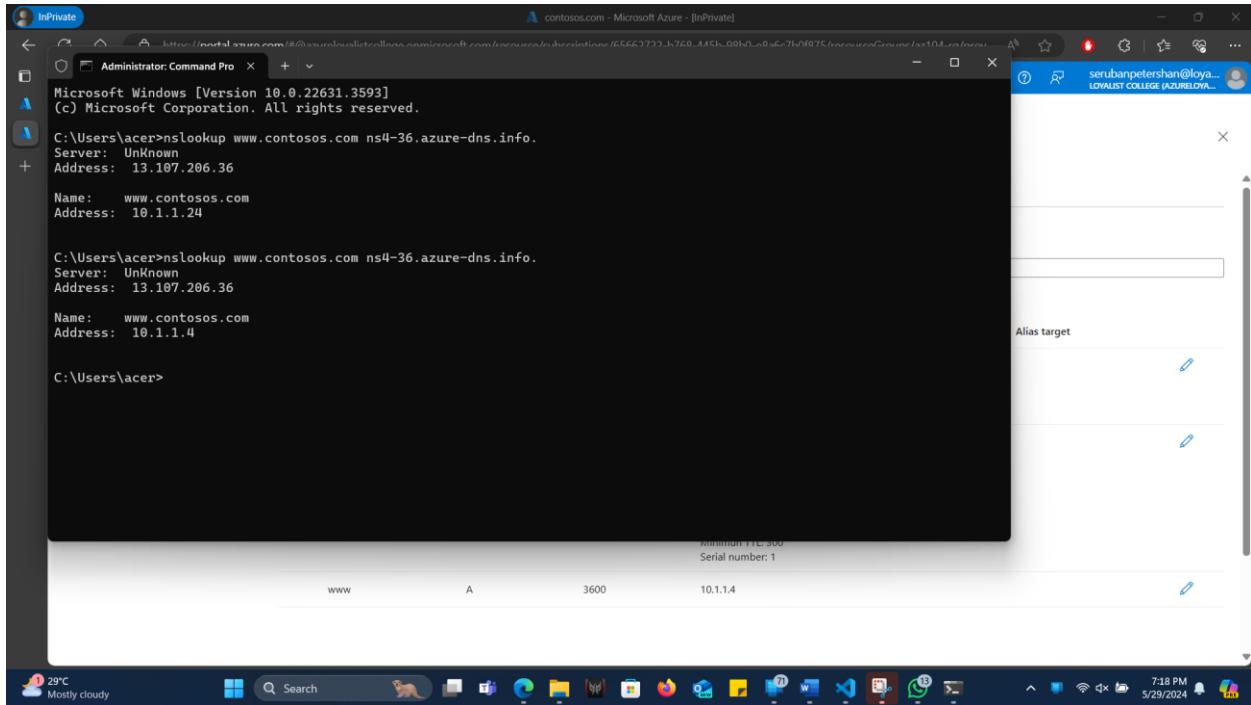
Apply Discard changes

29°C Mostly cloudy

7:18 PM 5/29/2024

Seruban Peter Shan (500235797)

Now we check the dns if are name server is available



Now let's Create a Private DNS Zone

The screenshot shows the "Private DNS zones" blade in the Azure portal. It lists "0 of 0 records". A large "DNS" icon is centered. Below it, the text "No private dns zones to display" is shown. A descriptive paragraph explains what Azure Private DNS does. At the bottom, there is a "Create private dns zone" button and links for "Learn more" and "Give feedback".

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InPrivate

Create Private DNS zone - Microsoft Azure - [InPrivate]

Microsoft Azure

Search resources, services, and docs (G+)

Home > Private DNS zones >

## Create Private DNS zone

Basics Tags Review create

A Private DNS zone provides name resolution services within virtual networks. A Private DNS zone is accessible only from the virtual networks that it is linked to and can't be accessed over internet. For example you can create a Private DNS zone named contoso.com and then create DNS records like www.contoso.com in this zone. You can then link the zone to a one or more virtual networks. [Learn more.](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Azure for Students

Resource group \* az104-rg

**Instance details**

Name \* private.contosos.com

Resource group location East US

You can link virtual networks to this Private DNS zone after zone has been created.

Review create Previous Next : Tags > Download a template for automation

29°C Mostly cloudy Search Refresh 7:13 PM 5/29/2024

InPrivate

private.contosos.com - Microsoft Azure - [InPrivate]

Microsoft Azure

Search resources, services, and docs (G+)

Home > NoMarketplace-20240529191329 | Overview >

## private.contosos.com

Private DNS zone

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Monitoring Automation Help

Record set Move Delete zone Refresh

Essentials

Resource group (move) : az104-rg Subscription (move) : Azure for Students Subscription ID : 65662722-b768-445b-98b0-e8a6c7b0f875 Tags (edit) : Add tags

You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load.

Search record sets

Name	Type	TTL	Value	Auto registered
@	SOA	3600	Email: azureprivatedns-host.microsoft.com Host: azureprivatedns.net Refresh: 3600 Retry: 300 Expire: 2419200 Minimum TTL: 10 Serial number: 1	False

29°C Mostly cloudy Search Refresh 7:14 PM 5/29/2024

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private.contosos.com - Microsoft Azure - [InPrivate]

Microsoft Azure

Home > private.contosos.com

private.contosos.com | Virtual network links

Private DNS zone

Search

Add Refresh

Link Name Link status Virtual network Auto-Registration

No results.

Virtual network links

Properties Locks Monitoring Automation Help

https://portal.azure.com/#@azureloyalistcollege.onmicrosoft.com/resource/subscriptions/65662722-b768-445b-98b0-e8a6c7b0f875/resourcegroups/az104-rg/providers/Microsoft.Network/privateDnsZones/private.contosos.com/virtualNetworkLinks

Now we add virtual Network Link

Add virtual network link - Microsoft Azure - [InPrivate]

Microsoft Azure

Home > private.contosos.com

Add virtual network link

private.contosos.com

Link name \*

manufacturing-link

Virtual network details

Only virtual networks with Resource Manager deployment model are supported for linking with Private DNS zones.  
Virtual networks with Classic deployment model are not supported.

I know the resource ID of virtual network

Subscription \*

Azure for Students

Virtual network \*

ManufacturingVNet (az104-rg)

Configuration

Enable auto registration

OK

https://portal.azure.com/#@azureloyalistcollege.onmicrosoft.com/resource/subscriptions/65662722-b768-445b-98b0-e8a6c7b0f875/resourcegroups/az104-rg/providers/Microsoft.Network/privateDnsZones/private.contosos.com/virtualNetworkLinks

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The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'private.contosos.com' resource group. On the left, the 'Virtual network links' section is selected under the 'Settings' category. A table lists one link: 'manufacturing-link' with status 'Completed' and 'ManufacturingVnet' as the virtual network. The top navigation bar shows the URL as https://portal.azure.com/#@azureloyalistcollege.onmicrosoft.com/resource/subscriptions/65662722-b768-445b-98b0-e8a6c7b0f875/resourceGroups/az104-rg/prov... . The bottom taskbar shows various application icons.

## Later add record

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'private.contosos.com' resource group. On the left, the 'Virtual network links' section is selected under the 'Settings' category. A table lists one record set: '@' with type 'SOA' and TTL '3600'. The right side of the screen displays a modal dialog titled 'Add record set' for the domain 'sensorvm.private.contosos.com'. The 'Name' field is set to 'sensorvm', 'Type' is 'A - Address record', 'TTL' is '1', and 'IP address' is '10.1.1.4'. The 'Value' field contains the IP range '0.0.0.0'. The 'OK' button at the bottom right of the modal is highlighted.

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