

# AZ-305 Project 2

Project 2 – Creation of architecture  
solution for Enterprise class Networking

## **Customer background**

Skillup Financial Services has been in business for over 75 years and is a well-known and respected name brand in the financial industry. They are historically risk-averse, and it has served them well, enabling them to weather several financial storms that closed the doors on similarly sized institutions. While Skillup started in the United States, around 20 years ago, they branched out into the international arena by acquiring a bank headquartered in Mexico City. Today, they have 224 branches in the United States and 64 in Mexico.

- Five years ago, a new president of Skillup Financial Services was brought onboard to help modernize the image of the bank and to drive efficiencies through use of modern technologies. The new president is under stiff pressure from the board to lower capital costs and help Skillup refocus on its core business. Skillup's mission is to promote its customer's well-being and secure their future through a broad range of financial services.
- Skillup Financial Services headquarters is in Chicago, IL, and their United States branches exist in several states extending over the North Central United States. Their Mexico-based branches are in Mexico City and in the surrounding cities.

## **Customer situation**

- Ten years ago, Skillup went through a major upgrade of their Ethernet core and WAN connectivity between their two United States datacenters (located in Plano, TX and Chicago, IL). Today, the United States datacenters have redundant 5 Gbps connections between them. At the same time, they increased the bandwidth from their United States branch locations to no less than 100 Mbps with each branch having connectivity to both datacenters. Most United States branches have an MPLS-based connection to both datacenters but about forty percent have 1 MPLS connection to a datacenter and one Site-to-Site VPN connection to the other datacenter. About five percent of the United States branches have only Site-to-Site connections to both datacenters.

- There is also a datacenter in Mexico, located in Mexico City. The Mexico datacenter has an MPLS connection to the Chicago datacenter with 200 Mbps bandwidth and a Site-to-Site VPN connection for redundancy that is 100 Mbps. All 64 of the Mexico-based branches have Site-to-Site VPN connections to this datacenter and the internet bandwidth for all branches was standardized recently at 50 Mbps up/down.

- **Present Network Architecture is as below:**
- Skillup leadership has been watching the emergence of hyperscale public cloud offerings, and over the last several years, they have been discussing the adoption of public cloud. Through strong executive-level relationships with Microsoft, the organization has been predominantly a Microsoft shop for at least the last 15 years. Due in large part to this relationship, Skillup executives envision that over a five-year period they will transition 80-90% of their IT infrastructure to Microsoft Azure and will eventually decommission their Chicago datacenter altogether.

- Skillup's business critical applications include:
- Their core banking application (a client-server application taking advantage of approximately 50 application servers and a SQL Server 2014-based data tier using Always on Availability Groups and In-Memory tables).
- Their website that enables online banking features (running on several web farms in the company's perimeter network and securely interacting with the banking application servers).

- Their HR system (a custom-written system taking advantage of several application servers and an Oracle-based data tier).
- Email (Exchange Server 2010 taking advantage of Database Availability Groups that span their two datacenters).

- Skillup has also a large number of multi-tier custom business apps that, due to their legacy dependencies, will likely be migrated to Azure IaaS.
- Skillup's pilot deployment of cloud-native applications will include:
- Implementing a simple marketing web application in Azure. The application should use PaaS rather than IaaS.
- Identifying an alternative to forced tunneling. To support the strategy of embracing cloud technologies, Network and security teams are considering alternatives to redirecting internet traffic via an on-premises security gateway for this deployment. They are looking for a cloud-native security solution.

- Evaluating options for securing multi-tier business apps. Skillup IT is considering leveraging Azure Network Security Groups in combination with Application Security Groups.
- Securing connectivity to Azure PaaS. To minimize exposure of Azure PaaS services via public endpoints, Skillup's Information Security requested that communication between Azure IaaS and Azure PaaS services do not rely on public endpoints, whenever possible.
- Skillup Financial Services want to run a marketing web application on the cloud as a pilot basis.
  - To support the strategy of embracing cloud technologies, Network and security team are considering alternatives to redirecting internet traffic via an on-premises security gateway for this deployment. They are looking for a Cloud-native security solution.

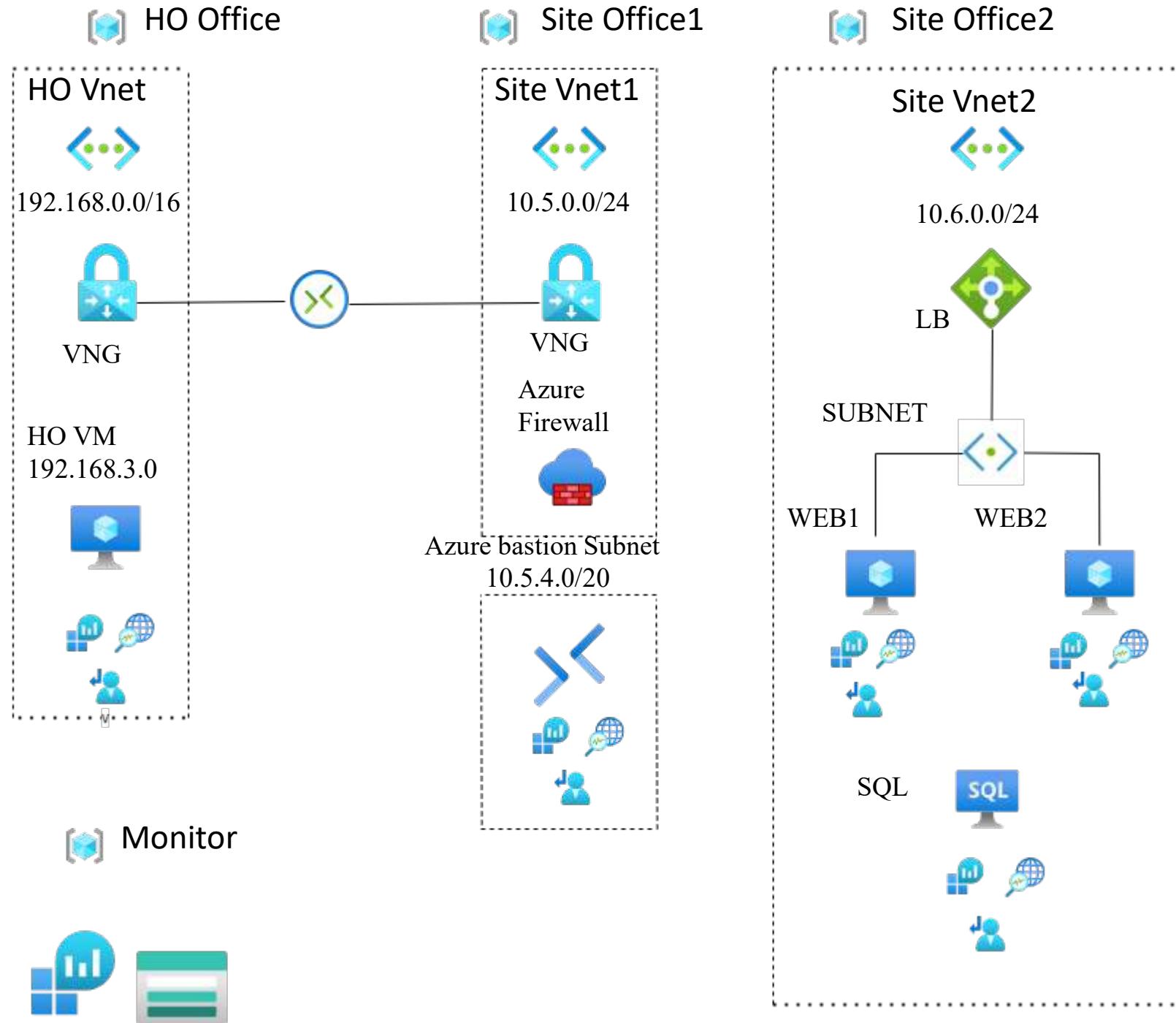
- **Customer Requirement:**

1. A detailed architecture and plan for providing robust, secure connectivity between their datacenters and Azure. The plan must support migration efforts and connectivity from the branch offices to Azure to allow connectivity to migrated applications. The solution should be able to continue to provide connectivity in the case of a severe connectivity partner outage.
2. A detailed architecture and plan for providing an enterprise-class networking scenario supporting secure data flow between tiers in the core banking application. All components of the design must be highly available.
3. The result of needs one and two should be a network design that allows applications to run both on-premises and in Azure.

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4. For the time being, all internet traffic must be passed through an on-premises intrusion detection or prevention system to comply with company policy.
5. All the incoming traffic must be inspected in order to ensure protection against SQL injections, cross-site scripting and other web attacks such as http protocol violation etc.

6. All traffic targeting the cloud-based marketing web app will not be passed through on premises network. An alternative cloud-native security solution is required.
7. URL based routing, redirection, SSL termination will need to be implemented on the FW/LB level for the new cloud web apps.
8. DDoS protection plan must be configured for the Virtual Network which will host the Data and Web tiers of the core banking application.
9. All traffic that goes in and out of Azure virtual networks must be filtered and passed through a firewall appliance.
10. All traffic that goes through ExpressRoute circuit needs to be distributed based on business units and will have granular control of circuit distributions.
11. ExpressRoute circuits need to be link together to make a private network so that data can directly exchange between offices.

Create a architecture diagram along with justification for proposed services based on the Well Architected Framework pillars to produce a high quality, stable, and efficient cloud architecture.



Create a resource group. Go to market place and select the resource group and create a resource group and name the Siteoffice1

The screenshot shows a Microsoft Edge browser window with the URL <https://portal.azure.com/#create/Microsoft.ResourceGroup>. The title bar says "Create a resource group - Microsoft Azure". The page is titled "Create a resource group" and shows the "Basics" tab selected. Under "Project details", the "Subscription" dropdown is set to "Free Trial" and the "Resource group" dropdown is set to "Siteoffice1". Under "Resource details", the "Region" dropdown is set to "(US) South Central US". At the bottom, there are buttons for "Review + create", "< Previous", and "Next : Tags >". The taskbar at the bottom of the screen shows various pinned icons and the system tray with battery level (96%), weather (29°C Partly sunny), and system status.

## Review and create the process

The screenshot shows a Microsoft Edge browser window displaying the Microsoft Azure portal at <https://portal.azure.com/#create/Microsoft.ResourceGroup>. The title bar says "Create a resource group - Microsoft Azure". The address bar shows the URL. The top navigation bar includes "Microsoft Azure", "Upgrade", and a search bar. On the right, there's a user profile for "bindubiju81@outlook.com" and "DEFAULT DIRECTORY (BNDUBU)".

The main content area is titled "Create a resource group" with a green validation message: "Validation passed." Below this, there are three tabs: "Basics", "Tags", and "Review + create" (which is underlined, indicating it's active). The "Basics" section shows the following configuration:

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US

The "Tags" section shows "None". At the bottom, there are buttons for "Create", "< Previous", "Next >", and "Download a template for automation". The taskbar at the bottom of the screen shows the Windows Start button, a search bar with a football icon, and various pinned app icons (Edge, File Explorer, Mail, OneDrive, etc.). The system tray shows battery level (96%), weather (29°C Partly sunny), language (ENG IN), date (9/7/2023), and time (10:15 AM).

# Repeat same process create next resource group and this give name siteoffice2

The screenshot shows the Microsoft Azure Resource groups page. The URL in the browser is <https://portal.azure.com/#view/HubsExtension/BrowseResourceGroups>. The page displays three resource groups:

Name	Subscription
AZ305project	Free Trial
Siteoffice1	Free Trial
Siteoffice2	Free Trial

On the right side of the screen, there is a "Notifications" panel. It shows a single notification: "Resource group created" with the message "Creating resource group 'Siteoffice1' in subscription 'Free Trial' succeeded." The notification was received 2 minutes ago.

At the bottom of the screen, the Windows taskbar is visible, showing various pinned icons and system status information like battery level (96%), temperature (29°C), and system time (10:18 AM, 9/7/2023).

Create a resource group - Microsoft Azure

https://portal.azure.com/#create/Microsoft.ResourceGroup

Microsoft Azure    Upgrade    Search resources, services, and docs (G+) bindubiju81@outlook.com DEFAULT DIRECTORY (BINDUBU...)

Home > Resource groups >

## Create a resource group

Basics   Tags   Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription \*

Resource group \*

Resource details

Region \*

Review + create   < Previous   Next : Tags >

Type here to search

96% 29°C ENG IN 10:17 AM 9/7/2023

# Review and create the resource group

The screenshot shows a Microsoft Edge browser window displaying the Azure portal at <https://portal.azure.com/#create/Microsoft.ResourceGroup>. The title bar says "Create a resource group - Microsoft Azure". The address bar shows the URL. The top navigation bar includes "Microsoft Azure", "Upgrade", a search bar ("Search resources, services, and docs (G+)"), and user information ("bindubiju81@outlook.com", "DEFAULT DIRECTORY (BINDUBU...)"). Below the navigation is a breadcrumb trail: "Home > Resource groups > Create a resource group". The main content area is titled "Create a resource group" with a "Validation passed." message. It has tabs for "Basics", "Tags", and "Review + create" (which is underlined). Under "Basics", there are three rows of information: "Subscription" (Free Trial), "Resource group" (Siteoffice2), and "Region" (South Central US). Under "Tags", it says "None". At the bottom are buttons for "Create", "< Previous", "Next >", and "Download a template for automation". The taskbar at the bottom shows the Windows logo, a search bar with "Type here to search", and various pinned icons (File Explorer, Mail, Edge, etc.). System status includes battery level (96%), temperature (29°C), weather (Partly sunny), and system info (ENG IN 10:17 AM 9/7/2023).

# Now the successful create the resource group

The screenshot shows the Microsoft Azure Resource groups page. At the top, there is a success message: "Resource group created" with a checkmark icon, followed by the text "Creating resource group 'Siteoffice2' in subscription 'Free Trial' succeeded." Below this message are two buttons: "Go to resource gr..." and "Pin to dashbo...". The main table displays three resource groups: AZ305project, Siteoffice1, and Siteoffice2. The columns are labeled "Name", "Subscription", and "Location". The "Name" column includes checkboxes and icons for each group. The "Subscription" column shows "Free Trial" for all three groups. The "Location" column shows "East US" for AZ305project and Siteoffice1, and "South Central US" for Siteoffice2. At the bottom of the table, there are buttons for "No grouping" and "List view". At the very bottom of the screen, a taskbar is visible with various icons and system status information.

Name	Subscription	Location
AZ305project	Free Trial	East US
Siteoffice1	Free Trial	South Central US
Siteoffice2	Free Trial	South Central US

Page 1 of 1 < Previous Next > Give feedback

29°C Partly sunny 10:18 AM ENG IN 9/7/2023

# 2. Create Virtual Network

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The title bar indicates the page is 'Create virtual network - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The top navigation bar includes 'Microsoft Azure', 'Upgrade', a search bar, and user information for 'bindubiju81@outlook.com'.

The main content area shows the 'Create virtual network' wizard with the 'Basics' tab selected. A descriptive text explains that Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure, enabling communication between Azure resources like VMs and the internet. It highlights benefits such as scale, availability, and isolation.

**Project details**

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

Subscription \*: Free Trial

Resource group \*: Siteoffice1

Virtual network name \*: SiteVnet1

At the bottom, there are 'Previous' and 'Next' buttons, a 'Review + create' button, and a 'Give feedback' link. The taskbar at the bottom of the screen shows various pinned icons and system status information.

# Create a virtual network and name the sitevnet1 and go to next page click the bastion.

Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Virtual network >

## Create virtual network

Basics Security IP addresses Tags Review + create

Enhance the security of your virtual network with these additional paid security services. [Learn more](#)

**Azure Bastion**

Azure Bastion is a paid service that provides secure RDP/SSH connectivity to your virtual machines over TLS. When you connect via Azure Bastion, your virtual machines do not need a public IP address. [Learn more](#)

Enable Azure Bastion

Azure Bastion host name: SBastion

Azure Bastion public IP address \*: (New) Sbastion-publicIPAddress [Create a public IP address](#)

**Azure Firewall**

Azure Firewall is a managed cloud-based network security service that protects your Azure Virtual Network resources. [Learn more](#)

Previous Next **Review + create** Give feedback

Type here to search

96% 29°C ENG IN 10:41 AM 9/7/2023

# Go to next page and IP address page set the IP address and subnet

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The main navigation bar at the top includes 'Edit subnet - Microsoft Azure', the URL 'https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM', and the Microsoft Azure logo. The top right corner shows the user's email 'bindubiju81@outlook.com' and 'DEFAULT DIRECTORY'. Below the navigation bar, the breadcrumb trail shows 'Home > Virtual network > Create virtual network'. The 'IP addresses' tab is selected in the navigation bar.

**Left Panel (Create virtual network):**

- IP address space:** 10.5.0.0/16 (16 (65,536 addresses))
- Add a subnet:** Default (10.0.0.0 - 10.0.0.255, /24 (256 addresses))
- AzureBastionSubnet:** 10.0.1.0 - 10.0.1.63, /26 (64 addresses)

**Right Panel (Edit subnet):**

**Subnet details:**

- IP address space:** 10.5.0.0/16 (10.5.0.0 - 10.5.255.255 (65536 addresses))
- Subnet template:** Default
- Name:** default
- Starting address:** 10.5.2.0
- Subnet size:** /24 (256 addresses) (10.5.2.0 - 10.5.2.255 (256 addresses))
- IP address space:** 10.5.2.0 - 10.5.2.255 (256 addresses)

**Security:**

- NAT gateway:** (New) sitegateway
- Network security group:** None

**Bottom Navigation:**

- Previous, Next, Review + create buttons
- Save, Cancel buttons

**Taskbar:**

- Type here to search input field
- Icons for File Explorer, Edge browser, Mail, OneDrive, Task View, and File History
- System status: 96%, 29°C, ENG IN, 10:45 AM, 9/7/2023

# Review and create the virtual network

A Create virtual network - Microsoft Azure +

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

Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Virtual network >

## Create virtual network

Basics Security IP addresses Tags Review + create

View automation template

### Basics

Subscription	Free Trial
Resource Group	Siteoffice1
Name	siteVnet1
Region	South Central US

### Security

Azure Bastion	Enabled
- Name	SBastion
- Public IP Address	(New) SBastion-publicIPAddress
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

### IP addresses

Previous Next Create Give feedback

Type here to search

96% 29°C ENG IN 10:46 AM 9/7/2023

# Now virtual network initialization process is start

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The browser address bar displays the URL <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The Azure navigation bar includes 'Microsoft Azure', a search bar, and a user account section for 'bindubiju81@outlook.com'.

The main content area shows the 'Create virtual network' wizard. The 'Review + create' tab is selected. A progress bar indicates 'Deploying...'. A status message box says '... Initializing deployment...' and 'Initializing template deployment to resource group 'Siteoffice1''. The 'Basics' section contains the following configuration:

Subscription	Free Trial
Resource Group	Siteoffice1
Name	siteVnet1
Region	South Central US

The 'Security' section includes:

Azure Bastion	Enabled
- Name	Sbastion
- Public IP Address	(New) Sbastion-publicIPAddress
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

The 'IP addresses' section is present but not detailed in the screenshot.

At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link. The taskbar at the bottom of the screen shows the Windows Start button, a search bar with the placeholder 'Type here to search', and various pinned icons for Microsoft Edge, File Explorer, Mail, and others. System status indicators include battery level (96%), temperature (29°C), and system information (ENG IN 10:46 AM 9/7/2023).

# Sitevnet1 Is deployment progress is running

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the user is signed in as bindubiju81@outlook.com. The main page displays the 'siteVnet1 | Overview' section. A prominent message states 'Deployment is in progress'. Below this, deployment details are listed: Deployment name: siteVnet1, Subscription: Free Trial, Resource group: Siteoffice1. The 'Deployment details' section shows a table with columns: Resource, Type, Status, and Operation details. A note below the table says 'There are no resources to display.' On the left sidebar, there are navigation links for Overview, Inputs, Outputs, and Template. On the right side, there are promotional banners for Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

siteVnet1 - Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...

Microsoft Azure

Search resources, services, and docs (G+)

bindubiju81@outlook.com

DEFAULT DIRECTORY

Home >

siteVnet1 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : siteVnet1  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/7/2023, 10:46:54 AM  
Correlation ID : 377233a4-7110-4c38-93d4-a7c8e377fd6c

Microsoft Defender for Cloud  
Secure your apps and infrastructure  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials  
Start learning today >

Work with an expert  
Azure experts are service provider partners  
who can help manage your assets on Azure  
and be your first line of support.  
Find an Azure expert >

Type here to search

96%

29°C

ENG IN 10:47 AM 9/7/2023

# Now virtual network siteVnet1 is deployment is complete

The screenshot shows the Microsoft Azure portal interface. The title bar reads "siteVnet1 - Microsoft Azure". The URL in the address bar is "https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...". The top navigation bar includes "Microsoft Azure", a search bar, and a user profile for "bindubiju81@outlook.com". Below the navigation bar, the page title is "siteVnet1 | Overview". On the left, there's a sidebar with "Overview", "Inputs", "Outputs", and "Template" options. The main content area displays a message: "Your deployment is complete" with a green checkmark icon. It provides deployment details: Deployment name: siteVnet1, Subscription: Free Trial, Resource group: Siteoffice1. It also shows the start time (9/7/2023, 10:46:54 AM) and Correlation ID (377233a4-7110-4c38-93d4-a7c8e377fd6c). To the right, there are several promotional cards: "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; Go to Microsoft Defender for Cloud >), "Free Microsoft tutorials" (Start learning today >), and "Work with an expert" (Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support; Find an Azure expert >). The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

siteVnet1 - Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...

Microsoft Azure

bindubiju81@outlook.com

siteVnet1 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name : siteVnet1  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/7/2023, 10:46:54 AM  
Correlation ID : 377233a4-7110-4c38-93d4-a7c8e377fd6c

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

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

96%

29°C

ENG IN 11:36 AM 9/7/2023

# Repeat the same step and create second virtual network and give sitevnet2

The screenshot shows the Microsoft Azure portal interface for creating a new virtual network. The browser title bar reads "Create virtual network - Microsoft" and the URL is "https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM". The Microsoft Azure logo is in the top left, and a search bar says "Search resources, services, and docs (G+/)". A user profile at the top right shows "bindubiju81@outlook.c..." and "DEFAULT DIRECTORY". The main content area is titled "Create virtual network" with a back arrow and a close button. Below it, a navigation bar has "Basics" underlined and other tabs: "Security", "IP addresses", "Tags", and "Review + create". A descriptive text block explains that VNet is similar to a traditional network but offers additional benefits like scale, availability, and isolation, with a "Learn more" link. The "Project details" section asks to select a subscription and resource group. The "Subscription" dropdown is set to "Free Trial" and the "Resource group" dropdown is set to "Siteoffice2" with a "Create new" option. The "Instance details" section asks for the "Virtual network name" which is "SiteVnet2" and the "Region" which is "(US) South Central US". At the bottom, there are "Previous", "Next", and "Review + create" buttons, along with a "Give feedback" link. The taskbar at the bottom includes icons for File Explorer, Task View, Edge, Mail, OneDrive, and File Explorer again, and shows system status: 96% battery, 29°C temperature, ENG IN language, 11:11 AM time, and 9/7/2023 date.

# Same process and click the bastion

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The title bar reads "Create virtual network - Microsoft Azure". The address bar shows the URL <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The top navigation bar includes "Microsoft Azure", a search bar, and user information.

The main content area is titled "Create virtual network". Below it, there are tabs: Basics, Security (which is selected), IP addresses, Tags, and Review + create.

A section titled "Azure Bastion" is visible. It contains a note about enhancing security with paid services and a description of Azure Bastion, which provides secure RDP/SSH connectivity over TLS. A checkbox labeled "Enable Azure Bastion" is checked. The "Azure Bastion host name" field is set to "SBastion1". The "Azure Bastion public IP address" dropdown is set to "(New) Sbastion-publicIPAddress" and has a link to "Create a public IP address".

A section titled "Azure Firewall" is partially visible below, with a note about protecting resources.

At the bottom, there are buttons for "Previous", "Next", and "Review + create". The status bar at the bottom right shows battery level (96%), temperature (29°C), signal strength, and system information (ENG IN 11:12 AM 9/7/2023).

# Click subnet and the IP address

The screenshot shows the Microsoft Azure portal's 'Create virtual network' interface. The 'IP addresses' tab is active. A tooltip with the text 'Click subnet and the IP address' is positioned over the first row of the subnet table, which contains the subnet 'sagte'. The table also lists another subnet, 'AzureBastionSubnet'. The tooltip is located at approximately [750, 200, 850, 450].

Subnets	IP address range	Size	NAT gateway	Actions
sagte	10.6.2.0 - 10.6.2.255	/24 (256 addresses)	-	<a href="#">Edit</a> <a href="#">Delete</a>
AzureBastionSubnet	10.6.8.0 - 10.6.8.63	/26 (64 addresses)	-	<a href="#">Edit</a> <a href="#">Delete</a>

A tooltip is displayed at [750, 200, 850, 450] with the text 'Click subnet and the IP address'.

Below the table, a note says: 'A NAT gateway is recommended for outbound internet access from subnets. Edit the subnet to add a NAT gateway.' with a 'Learn more' link.

At the bottom, there are 'Previous' and 'Next' buttons, and a 'Review + create' button. The URL in the address bar is https://portal.azure.com/#blade/Microsoft\_Azure\_Network/AddEditSubnetV3.ReactView/vnetName/SiteVnet2/isAdd/allIpAddresses/%5B%7B"address"%3A"10.6.0.0%2F16"%2C"id"%3A0%7D%5D/parentIp/%7B"address"%3A"10.6.0.0%2F16"%2C"id...'. The status bar shows battery level 96%, temperature 29°C, and system info ENG IN 11:21 AM 9/7/2023.

# Review and create the Vnet

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The browser address bar displays the URL <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The page title is "Create virtual network". The top navigation bar includes links for "Microsoft Azure", "Search resources, services, and docs (G+)", and the user's email "bindubiju81@outlook.com". The main content area is titled "Create virtual network" and shows the "Review + create" step. The configuration details are as follows:

Category	Setting	Value
Basics	Subscription	Free Trial
	Resource Group	Siteoffice2
	Name	SiteVnet2
	Region	South Central US
<b>Security</b>		
Azure Bastion	Enabled	
- Name	Sbastion1	
- Public IP Address	(New) Sbastion-publicIpAddress	
Azure Firewall	Disabled	
Azure DDoS Network Protection	Disabled	
<b>IP addresses</b>		

At the bottom of the page, there are "Previous" and "Next" buttons, and a prominent blue "Create" button. The taskbar at the bottom of the screen shows the Windows Start button, a search bar with the placeholder "Type here to search", and various pinned application icons. The system tray displays battery level (96%), temperature (29°C), network status, and system time (11:21 AM, 9/7/2023).

# Now process its initialization

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The top navigation bar includes the Microsoft Azure logo, search bar, and user information.

The main page title is "Create virtual network". Below it, there are tabs: Basics, Security, IP addresses, Tags, and Review + create. The "Review + create" tab is currently selected.

A progress bar at the top indicates "Deploying...". A message box on the right says "Initializing deployment..." and "Initializing template deployment to resource group 'Siteoffice2'".

**Basics**

Subscription	Free Trial
Resource Group	Siteoffice2
Name	SiteVnet2
Region	South Central US

**Security**

Azure Bastion	Enabled
- Name	SBastion1
- Public IP Address	(New) Sbastion-publicIPAddress
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

**IP addresses**

At the bottom, there are buttons for Previous, Next, and Create. On the far right, there are links for Give feedback and a system tray showing battery level (96%), temperature (29°C), and date/time (11:22 AM, 9/7/2023).

# Deployment progress is start

SiteVnet2 - Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...

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

bindubiju81@outlook.com DEFAULT DIRECTORY

Home > SiteVnet2 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Inputs Outputs Template

Deployment is in progress

Deployment name : SiteVnet2  
Subscription : Free Trial  
Resource group : Siteoffice2

Start time : 9/7/2023, 11:22:22 AM  
Correlation ID : 6c10eebf-d304-48b6-a765-238fc0e7636a

Deployment details

Resource	Type	Status	Operation details
SiteVnet2	Virtual network	OK	Operation details
Sbastion-publicIpAddress	Public IP address	OK	Operation details

Give feedback  
Tell us about your experience with deployment

Microsoft Defender for Cloud  
Secure your apps and infrastructure  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials  
Start learning today >

Work with an expert  
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

96% 29°C ENG IN 11:23 AM 9/7/2023

# Deployment is complete

A SiteVnet2 - Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...

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

bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > SiteVnet2 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : SiteVnet2  
Subscription : Free Trial  
Resource group : Siteoffice2

Start time : 9/7/2023, 11:22:22 AM  
Correlation ID : 6c10eebf-d304-48b6-a765-238fc0e7636a

Inputs Outputs Template

Deployment details

Next steps

Go to resource

Cost management

Get notified to stay within your budget and prevent unexpected charges on your bill.  
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96% 29°C ENG IN 11:37 AM 9/7/2023

# Go to the sitevnet1 and click the add subnet and set IP and name the Admin subnet

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Virtual networks, siteVnet1, Subnets (selected), Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets, Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints.

The main content area displays the 'siteVnet1 | Subnets' page. It lists two existing subnets: 'default' (IPv4: 10.5.2.0/24, Available IPs: 251) and 'AzureBastionSubnet' (IPv4: 10.5.5.0/26, Available IPs: 57). A search bar labeled 'Search subnets' is present.

A modal dialog titled 'Add subnet' is open on the right. The 'Name' field is set to 'Admin'. The 'Subnet address range' field is set to '10.5.3.0/25'. Below it, a note states '10.5.3.0 - 10.5.3.127 (123 + 5 Azure reserved addresses)'. There is an unchecked checkbox for 'Add IPv6 address space'. Other fields include 'NAT gateway' (None), 'Network security group' (None), and 'Route table' (None). Under 'SERVICE ENDPOINTS', there is a note about creating policies for specific Azure resources. The 'Services' dropdown shows '0 selected'. At the bottom of the dialog are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link.

# Now save the configuration

The screenshot shows the Microsoft Azure portal interface for managing a virtual network. The left sidebar navigation includes Home, Virtual networks, siteVnet1, Subnets, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, and Subnets (which is currently selected). The main content area displays the 'siteVnet1 | Subnets' page, showing two existing subnets: 'default' (IPv4 range 10.5.2.0/24, 251 available IPs) and 'AzureBastionSubnet' (IPv4 range 10.5.5.0/26, 57 available IPs). A modal dialog box titled 'Add subnet' is open on the right, showing fields for Name (set to 'Admin'), Subnet address range (set to '10.5.3.0/25'), and other options like NAT gateway and Network security group (both set to 'None'). The status bar at the bottom indicates battery level (95%), temperature (29°C), signal strength, and system information (ENG IN 11:53 AM 9/7/2023).

Add subnet

... Adding subnet  
Adding subnet 'Admin' to virtual network 'siteVnet1'.

Name *	Subnet address range *	NAT gateway	Network security group	Route table	SERVICE ENDPOINTS
Admin	10.5.3.0/25	None	None	None	Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. <a href="#">Learn more</a>

Save Cancel Give feedback

# Admin subnet is save and add successful

The screenshot shows the Microsoft Azure portal interface. The left sidebar is open, showing navigation options like Home, Virtual networks, and siteVnet1. Under siteVnet1, the Subnets option is selected. The main content area displays a table of subnets with columns for Name, IPv4, IPv6, and Available IPs. A notification panel on the right shows a success message: "Successfully added subnet" for the Admin subnet.

Name ↑↓	IPv4 ↑↓	IPv6 ↑↓	Available IPs ↑↓
default	10.5.2.0/24	-	251
AzureBastionSubnet	10.5.5.0/26	-	57
Admin	10.5.3.0/25	-	123

**Notifications**

More events in the activity log → Dismiss all

Successfully added subnet

Successfully added subnet 'Admin' to virtual network 'siteVnet1'. a few seconds ago

# Add another sub net give name AzureFirewallSub and set IP

The screenshot shows the Microsoft Azure portal interface for creating a new subnet. The left sidebar shows the navigation path: Home > Virtual networks > siteVnet1. The 'Subnets' section is selected. A table lists existing subnets: default (10.5.2.0/24, 251 available IPs), AzureBastionSubnet (10.5.5.0/26, 57 available IPs), and Admin (10.5.3.0/25, 123 available IPs). On the right, a modal window titled 'Add subnet' is open, prompting for a name (set to 'AzurefirewallSub'), a subnet address range (set to '10.5.1.0/24'), and other settings like NAT gateway (None) and Network security group (None). The bottom of the screen shows the Windows taskbar with various pinned icons.

Microsoft Azure

Bindubiju81@outlook.com

DEFAULT DIRECTORY

Add subnet - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...

siteVnet1 | Subnets

Virtual network

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Address space

Connected devices

Subnets

Bastion

DDoS protection

Firewall

Microsoft Defender for Cloud

Network manager

DNS servers

Peerings

Service endpoints

Name \*: AzurefirewallSub

Subnet address range \*: 10.5.1.0/24

Add IPv6 address space: None

NAT gateway: None

Network security group: None

Route table: None

Save Cancel Give feedback

Type here to search

95% 29°C ENG IN 11:56 AM 9/7/2023

# Now the configuration is save

The screenshot shows the Microsoft Azure portal interface for managing virtual networks. The left sidebar shows the navigation path: Home > Virtual networks > siteVnet1. The main area displays the 'siteVnet1 | Subnets' page, which lists three existing subnets: default (IPv4 range 10.5.2.0/24, 251 available IPs), AzureBastionSubnet (IPv4 range 10.5.5.0/26, 57 available IPs), and Admin (IPv4 range 10.5.3.0/25, 123 available IPs). A modal dialog titled 'Add subnet' is open on the right, showing the configuration for a new subnet named 'AzurefirewallSub'. The 'Subnet address range' is set to '10.5.1.0/24', which is described as covering the range '10.5.1.0 - 10.5.1.255 (251 + 5 Azure reserved addresses)'. Other settings include 'Add IPv6 address space' (unchecked), 'NAT gateway' (set to 'None'), 'Network security group' (set to 'None'), and 'Route table' (set to 'None'). The 'SERVICE ENDPOINTS' section is present but currently empty. At the bottom of the dialog are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link.

# Now this subnet is save successfully

The screenshot shows the Microsoft Azure portal interface for managing a virtual network. The left sidebar navigation pane is visible, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets, Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints. The 'Subnets' option is currently selected.

The main content area displays the 'siteVnet1 | Subnets' page. It includes a search bar, a toolbar with buttons for Subnet, Gateway subnet, Refresh, Manage users, and Delete, and a 'Search subnets' input field. A table lists four subnets:

Name	IPv4	IPv6	Available IPs
default	10.5.2.0/24	-	251
AzureBastionSubnet	10.5.5.0/26	-	57
Admin	10.5.3.0/25	-	123
AzurefirewallSub	10.5.1.0/24	-	251

In the top right corner of the main content area, there is a 'Notifications' panel with a green checkmark icon and the message 'Successfully added subnet'. Below this message, it says 'Successfully added subnet 'AzurefirewallSub' to virtual network 'siteVnet1''. The timestamp indicates this happened 'a few seconds ago'.

The bottom of the screen shows the Windows taskbar with the Start button, a search bar, pinned icons for File Explorer, Edge, Mail, and others, and system status indicators including battery level (95%), temperature (29°C), signal strength, volume, and the date/time (11:57 AM, 9/7/2023).

# Network Peering

The screenshot shows the Microsoft Azure portal interface. The browser title bar reads "siteVnet1 - Microsoft Azure". The address bar shows the URL "https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...". The top navigation bar includes the Microsoft Azure logo, a search bar, and user information "bindubiju81@outlook.c... DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > Siteoffice1 > siteVnet1". The main content area is titled "siteVnet1 | Peerings" and is described as a "Virtual network". On the left, a sidebar menu lists various options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Address space, Connected devices, Subnets, Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers), Peerings (selected), and Service endpoints. The main pane displays a table with columns: Name, Peering status, Peer, and Gateway transit. A search bar at the top of the table allows filtering by name. A message "Add a peering to get started" is visible. At the bottom right of the main pane, there is a "Give feedback" link. The taskbar at the bottom of the screen shows the Windows Start button, a search bar with the placeholder "Type here to search", and several pinned application icons. The system tray shows battery level (95%), temperature (29°C), signal strength, volume, and the date and time (11:59 AM, 9/7/2023).

Go to sitevnet1 and scroll down page and click peering and click add button. Then peering link name and allow the traffic.

The screenshot shows the Microsoft Azure portal interface for adding a peering link. The browser title bar reads "Add peering - Microsoft Azure". The URL in the address bar is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Network/VirtualNetworkPeeringBladeViewModel/isAdd~/true/virtual...](https://portal.azure.com/#view/Microsoft_Azure_Network/VirtualNetworkPeeringBladeViewModel/isAdd~/true/virtual...). The user's email, bindubiju81@outlook.com, is visible in the top right corner.

The main content area is titled "Add peering" under "siteVnet1". A tooltip message states: "For peering to work, two peering links must be created. By selecting remote virtual network, Azure will create both peering links." Below this, there are sections for "This virtual network" and "Remote virtual network".

**This virtual network:**

- Peering link name \*: VNETPeering\_siteVnet1-SiteVnet2
- Allow access to remote virtual network ⓘ
- Allow traffic to remote virtual network ⓘ
- Allow traffic forwarded from the remote virtual network (allow gateway transit) ⓘ
- Use remote virtual network gateway or route server ⓘ

**Remote virtual network:**

- Peering link name \*: VNETPeering\_siteVnet2-SiteVnet1

Virtual network deployment model ⓘ

- Resource manager
- Classic

**Add** button

The taskbar at the bottom includes icons for File Explorer, Mail, and Edge, along with system status indicators like battery level (95%), temperature (29°C), and connectivity.

# Click the next page configure the peering

The screenshot shows the Microsoft Azure portal interface for adding a peering link. The browser title bar reads "Add peering - Microsoft Azure". The address bar shows the URL: [https://portal.azure.com/#view/Microsoft\\_Azure\\_Network/VirtualNetworkPeeringBladeViewModel/isAdd~/true/virtual...](https://portal.azure.com/#view/Microsoft_Azure_Network/VirtualNetworkPeeringBladeViewModel/isAdd~/true/virtual...). The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for "bindubiju81@outlook.com" and "DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > Siteoffice1 > siteVnet1 | Peerings > Add peering".

The main form is titled "Add peering" and contains the following fields:

- siteVnet1** (under "Remote virtual network")
- Peering link name \***:
- Virtual network deployment model**:
  - Resource manager
  - Classic
- I know my resource ID
- Subscription \***:
- Virtual network \***:
- Allow access to current virtual network
- Allow traffic to current virtual network
- Allow traffic forwarded from current virtual network (allow gateway transit)
- Use current virtual network gateway or route server

At the bottom left is a blue "Add" button, and at the bottom right is a taskbar with various icons and system status information.

# Now click save button and save the configuration

The screenshot shows the Microsoft Azure 'Add peering' blade for a virtual network named 'siteVnet1'. The 'Peering link name' field is set to 'VNTPeering\_siteVnet2-SiteVnet1'. The 'Virtual network deployment model' is set to 'Resource manager'. Under 'Subscription', 'Free Trial' is selected. The 'Virtual network' dropdown is set to 'SiteVnet2'. In the 'Allow access to current virtual network' section, three checkboxes are checked: 'Allow access to current virtual network', 'Allow traffic to current virtual network', and 'Allow traffic forwarded from current virtual network (allow gateway transit)'. A fourth checkbox, 'Use current virtual network gateway or route server', is unchecked. At the bottom, a blue button labeled 'Validating...' is visible. Two notifications are displayed on the right side of the blade:

- ... Adding virtual network peering**  
Adding virtual network peering 'VNTPeering\_siteVnet2-SiteVnet1' to 'SiteVnet2'.
- ... Adding virtual network peering**  
Adding virtual network peering 'VNTPeering\_siteVnet2-SiteVnet1' to 'siteVnet1'.

The taskbar at the bottom of the screen shows various pinned icons and system status information, including battery level (95%), temperature (29°C), and system time (12:06 PM, 9/7/2023).

Now peering is save in sitevnet1 . Refresh the page after some time shown connected

The screenshot shows the Microsoft Azure portal interface for managing virtual network peerings. The main area displays a table of peerings:

Name	Peering status	Peer
VNETPeering_siteVnet1-SiteVnet2	Initiated	SiteVnet2

A message at the top indicates: "At least one peering is in an initiated state. Navigate to the peer virtual network to complete the initiation."

The Notifications sidebar shows two recent events:

- Added virtual network peering**: Successfully added virtual network peering 'VNETPeering\_siteVnet2-SiteVnet1' to 'SiteVnet2'. (a few seconds ago)
- Added virtual network peering**: Successfully added virtual network peering 'VNETPeering\_siteVnet1-SiteVnet2' to 'siteVnet1'. (a few seconds ago)

The left sidebar navigation includes:

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Address space
- Connected devices
- Subnets
- Bastion
- DDoS protection
- Firewall
- Microsoft Defender for Cloud
- Network manager
- DNS servers
- Peerings** (selected)
- Service endpoints

The bottom taskbar shows system status: 95% battery, 29°C temperature, ENG IN language, 12:06 PM, and 9/7/2023 date.

# Create a Application Security Group

A Create an application security group X + https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM Microsoft Azure Search resources, services, and docs (G+/-) bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Application security groups > Create an application security group

Basics Tags Review + create

Project details

Subscription \* Free Trial

Resource group \* Siteoffice2 Create new

Instance details

Name \* WebTier

Region \* South Central US

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

Type here to search 95% 29°C ENG IN 12:16 PM 9/7/2023

Go to market place search application security group. Then click create button and choose resource group an virtual network . Give name webtier then click next page. Review + create click the button

The screenshot shows a Microsoft Azure portal window titled "Create an application security group". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM>. The top navigation bar includes "Microsoft Azure", a search bar, and a user profile for "bindubiju81@outlook.com". The main content area displays a green validation message "Validation passed". Below it, there are three tabs: "Basics", "Tags", and "Review + create", with "Review + create" being the active tab. The "Summary" section shows the following details:

Basics	Value
Subscription	Free Trial
Resource group	Siteofice2
Location	South Central US
Name	WebTier

At the bottom of the screen, the taskbar shows the Windows Start button, a search bar with the placeholder "Type here to search", and several pinned icons for Microsoft Edge, File Explorer, Mail, and others. The system tray displays battery level (95%), temperature (29°C), and system status.

# Now its installation process is start

The screenshot shows a Microsoft Azure portal window titled "Create an application security group". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM>. The top navigation bar includes "Microsoft Azure", a search bar, and a user profile for "bindubiju81@outlook.com". A message box in the top right corner says "Initializing deployment..." and "Initializing template deployment to resource group 'Siteoffice2'".

Validation passed

Basics Tags Review + create

Summary

Basics

Subscription	Free Trial
Resource group	Siteoffice2
Location	South Central US
Name	WebTier

Create < Previous Next > Download a template for automation

Type here to search

95% 29°C ENG IN 12:17 PM 9/7/2023

# Now deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current view is 'Microsoft.ApplicationSecurityGroup | Overview'. The main content area displays a deployment status message: 'Deployment is in progress'. Below this, deployment details are listed: Deployment name: Microsoft.ApplicationSecurityGroup, Subscription: Free Trial, Resource group: Siteoffice2. The deployment started at 9/7/2023, 12:17:51 PM with a Correlation ID of 9541a9f9-070d-4336-a6e6-dc7936e1ddb3. A table titled 'Deployment details' shows no resources displayed. On the right side, there are promotional links for Microsoft Defender for Cloud, free Microsoft tutorials, and working with Azure experts.

Microsoft.ApplicationSecurityGroup | Overview

Deployment is in progress

Deployment name : Microsoft.ApplicationSecurityGroup  
Subscription : Free Trial  
Resource group : Siteoffice2

Start time : 9/7/2023, 12:17:51 PM  
Correlation ID : 9541a9f9-070d-4336-a6e6-dc7936e1ddb3

Resource Type Status Operation details

There are no resources to display.

Give feedback  
Tell us about your experience with deployment

Microsoft Defender for Cloud  
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and be your first line of support.  
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95% 29°C ENG IN 12:18 PM 9/7/2023

# Deployment is complete

Microsoft.ApplicationSecurityGro x + https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64... Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Microsoft.ApplicationSecurityGroup | Overview Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name : Microsoft.ApplicationSecurityGroup  
Subscription : Free Trial  
Resource group : Siteoffice2

Start time : 9/7/2023, 12:17:51 PM  
Correlation ID : 9541a9f9-070d-4336-a6e6-dc7936e1ddb3

> Deployment details  
▼ Next steps

Go to resource

Give feedback  
Tell us about your experience with deployment

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

Microsoft Defender for Cloud  
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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search 95% 29°C ENG IN 12:18 PM 9/7/2023

# Same procedure Datatier creation

The screenshot shows the Microsoft Azure portal interface for creating an Application Security Group. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM>. The page title is "Create an application security group".

The "Basics" tab is selected. Under "Project details", the "Subscription" dropdown is set to "Free Trial" and the "Resource group" dropdown is set to "Siteoffice2". Under "Instance details", the "Name" field contains "DataTier" and the "Region" dropdown is set to "South Central US".

At the bottom, there are buttons for "Review + create", "< Previous", "Next : Tags >", and "Download a template for automation". The taskbar at the bottom shows various pinned icons and system status information.

# Click the review button and check the configuration

The screenshot shows a Microsoft Edge browser window displaying the Azure portal at <https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM>. The title bar says "Create an application security group". The address bar shows the URL. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.c... DEFAULT DIRECTORY". Below the navigation bar, the breadcrumb trail shows "Home > Application security groups > Create an application security group". A green validation message "Validation passed" is displayed. The main form has tabs for "Basics", "Tags", and "Review + create" (which is underlined). The "Summary" section shows the following details:

Basics	Value
Subscription	Free Trial
Resource group	Siteoffice2
Location	South Central US
Name	DataTier

At the bottom, there are buttons for "Create", "< Previous" and "Next >", and "Download a template for automation". The taskbar at the bottom of the screen shows the Windows Start button, a search bar with a magnifying glass icon, and various pinned icons for Microsoft Edge, File Explorer, Mail, and others. The system tray shows battery level (95%), temperature (29°C), network status, and system time (12:20 PM, 9/7/2023).

# Click the Review + create button and installation process its start

The screenshot shows the Microsoft Azure portal interface for creating an Application Security Group. The browser address bar displays the URL <https://portal.azure.com/#create/Microsoft.ApplicationSecurityGroup-ARM>. The page title is "Create an application security group". The navigation bar includes "Microsoft Azure" and a search bar. The user's email, bindubiju81@outlook.com, is shown in the top right.

The main content area shows the "Basics" configuration section. Under "Subscription", it lists "Free Trial", "Siteoffice2", "South Central US", and "DataTier". The "Name" field is empty. A green checkmark icon indicates "Validation passed".

At the bottom of the page, there are buttons for "Create", "< Previous", "Next >", and "Download a template for automation". A progress bar at the bottom right shows "95%" completion. A deployment status message box in the top right corner says "Initializing deployment..." and "Initializing template deployment to resource group 'Siteoffice2'".

# Now deployment process its start and running

Microsoft.ApplicationSecurityGro X + https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64... Microsoft Azure Search resources, services, and docs (G+/) bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Microsoft.ApplicationSecurityGroup | Overview Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Deployment is in progress

Deployment name : Microsoft.ApplicationSecurityGroup  
Subscription : Free Trial  
Resource group : Siteoffice2

Start time : 9/7/2023, 12:21:06 PM  
Correlation ID : 063961bb-7a86-40b4-94fa-d0001c65da0f

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Resource Type Status Operation details

There are no resources to display.

Give feedback Tell us about your experience with deployment

Type here to search 95% 29°C ENG IN 12:21 PM 9/7/2023

# Now deployment is complete

Microsoft.ApplicationSecurityGro X + https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64... Microsoft Azure bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Microsoft.ApplicationSecurityGroup | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Deployment name : Microsoft.ApplicationSecurityGroup Start time : 9/7/2023, 12:21:06 PM

Inputs Subscription : Free Trial Correlation ID : 063961bb-7a86-40b4-94fa-d0001c65da0f

Outputs Resource group : SiteOffice2

Template

Your deployment is complete

Deployment details Next steps Go to resource

Give feedback Tell us about your experience with deployment

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. Go to Microsoft Defender for Cloud >

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Type here to search 95% 29°C ENG IN 12:21 PM 9/7/2023

Create a virtual machine - Microsoft Azure

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

Microsoft Azure bindubiju81@outlook.com DEFAULT DIRECTORY

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 ↗

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 \* Free Trial

Resource group \* Siteoffice2

Virtual machine name \* WEB1

Region \* (US) South Central US

No infrastructure redundancy required

Review + create < Previous Next : Disks > Give feedback

Type here to search

95% 29°C ENG IN 12:28 PM 9/7/2023

# Create a Virtual Machine

A Create a virtual machine - Microsoft Azure

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

Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.com DEFAULT DIRECTORY

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 ↗

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 \* ⓘ Free Trial

Resource group \* ⓘ Siteoffice2

Create new

**Instance details**

Virtual machine name \* ⓘ WEB1

Region \* ⓘ (US) South Central US

Availability options ⓘ No infrastructure redundancy required

Review + create < Previous Next : Disks > Give feedback

Type here to search

95% 29°C ENG IN 12:28 PM 9/7/2023

# Go to virtual machine page and create VM give a name WEB1

The screenshot shows the Microsoft Azure portal interface for creating a new virtual machine. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The Azure logo and search bar are visible at the top.

**Create a virtual machine**

**Size \***: Standard\_B1s - 1 vcpu, 1 GiB memory (₹945.95/month) (free services eligible)

**Administrator account**

**Username \***: Admina

**Password \***: ..... (redacted)

**Confirm password \***: ..... (redacted)

**Inbound port rules**

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

**Public inbound ports \***: Allow selected ports

**Select inbound ports \***: RDP (3389)

**Info**: All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

**Review + create** | **< Previous** | **Next : Disks >** | **Give feedback**

The taskbar at the bottom shows the Windows Start button, a search bar with the placeholder "Type here to search", and various pinned application icons. The system tray displays battery level (95%), temperature (29°C), and system status (ENG IN 12:29 PM 9/7/2023).

Then select resource siteoffice2 and network is sitenvnet2. Now click review button and check configuration.

The screenshot shows the Microsoft Azure portal interface for creating a virtual machine. The browser address bar displays the URL <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The page title is "Create a virtual machine". The navigation bar includes "Microsoft Azure" and a search bar. The main content area shows the "Review + create" step, which has a green validation message "Validation passed". Below this, tabs for Basics, Disks, Networking, Management, Monitoring, Advanced, Tags, and Review + create are visible, with "Review + create" being the active tab. A note states: "Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs." The "Price" section details a selection of "1 X Standard B1s by Microsoft" at a cost of "1.2958 INR/hr", noting that "Subscription credits apply". It also provides links for "Terms of use" and "Privacy policy", and a link to "Pricing for other VM sizes". The "TERMS" section contains a detailed legal agreement. At the bottom, there are buttons for "Create", "Next > (disabled)", "Previous <" (disabled), "Download a template for automation", and "Give feedback". The taskbar at the bottom shows the Windows logo, a search bar with the placeholder "Type here to search", and various pinned icons. System status indicators include battery level (95%), temperature (29°C), and system information (ENG IN 12:30 PM 9/7/2023).

# Click the create button and initialization process is start

A screenshot of a Microsoft Edge browser window displaying the Microsoft Azure portal at <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The user is in the 'Create a virtual machine' wizard, specifically on the 'Review + create' page. A green checkmark icon indicates 'Validation passed'. The 'Price' section shows a Standard B1s VM by Microsoft costing 1.2958 INR/hr. The 'TERMS' section contains legal disclaimers. A status message box in the top right says 'Initializing deployment...' and 'Initializing template deployment to resource group 'Siteoffice2''. At the bottom, there are 'Create', 'Previous', and 'Next >' buttons, along with a 'Download a template for automation' link and a 'Give feedback' button. The Windows taskbar at the bottom shows various pinned icons and system status.

Microsoft Azure

bindubiju81@outlook.com

Validation passed

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs.

Price

1 X Standard B1s by Microsoft

Subscription credits apply ⓘ 1.2958 INR/hr

[Terms of use](#) | [Privacy policy](#)

Pricing for other VM sizes

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Create < Previous Next > Download a template for automation Give feedback

Type here to search

95% 29°C ENG IN 12:30 PM 9/7/2023

# Deployment progress is running

The screenshot shows the Microsoft Azure portal interface for a deployment named "CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230907122723". The main content area displays the message "Deployment is in progress" and provides deployment details: Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe..., Start time: 9/7/2023, 12:31:02 PM, Subscription: Free Trial, Resource group: Siteoffice2, Correlation ID: d039923e-347c-4587-9158-c54d8882f129. Below this, the "Deployment details" section shows a table with columns: Resource, Type, Status, and Operation details. The table displays "No results." A sidebar on the left includes links for Overview, Inputs, Outputs, and Template. The right sidebar features sections for Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

Microsoft Azure | bindubiju81@outlook.com | DEFAULT DIRECTORY

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230907122723 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 9/7/2023, 12:31:02 PM  
Subscription: Free Trial Correlation ID: d039923e-347c-4587-9158-c54d8882f129

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

Tell us about your experience with deployment

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

95% 29°C ENG IN 12:31 PM 9/7/2023

# Deployment is complete

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current page is 'CreateVm-MicrosoftWindowsServer' under the 'Overview' tab. The main content area displays a green checkmark icon followed by the message 'Your deployment is complete'. Below this, deployment details are listed: 'Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe...', 'Subscription: Free Trial', 'Resource group: Siteoffice2', 'Start time: 9/7/2023, 12:31:02 PM', and 'Correlation ID: d039923e-347c-4587-9158-c54d8882f129'. To the right of the main content, there are several promotional cards: '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. Go to Microsoft Defender for Cloud >), 'Free Microsoft tutorials' (Start learning today >), and 'Work with an expert' (Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. Find an Azure expert >). At the bottom of the portal window, there is a search bar and a taskbar with various icons.

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230907122723 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 9/7/2023, 12:31:02 PM

Subscription: Free Trial Correlation ID: d039923e-347c-4587-9158-c54d8882f129

Deployment details

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

Give feedback

Tell us about your experience with deployment

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

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

95% 29°C ENG IN 12:34 PM 9/7/2023

Same procedure to another 2 VM  
create and give a name is WEB2 and  
SQL . This all virtual machine is same  
resource group and same vnet. Now  
go to WEB1 and scroll down to  
networking page.

# WEB1 scroll down networking page

The screenshot shows the Microsoft Azure portal interface for a virtual machine named WEB1. The main title bar reads "WEB1 - Microsoft Azure". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.com" and "DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > Virtual machines > WEB1".

The left sidebar contains a list of management options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking (selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity.

The main content area is titled "WEB1 | Networking" and shows the "Networking" tab selected. It displays the "IP configuration" for "web1287" (ipconfig1 Primary). The "Network Interface" section shows details: Network Interface: web1287, Effective security rules, Troubleshoot VM connection issues, Topology. It lists the Virtual network/subnet: SiteVnet2/sagte, NIC Public IP: -, and NIC Private IP: 10.6.2.4, with Accelerated networking: Disabled.

The "Inbound port rules" section is active, showing a table of rules attached to the network security group WEB1-nsg:

Priority	Name	Port	Protocol	Source	Destination	Action	...
300	RDP	3389	TCP	Any	Any	Allow	...
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow	...
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow	...
65500	DenyAllInBound	Any	Any	Any	Any	Deny	...

Below the table, there are buttons for "Add inbound port rule" and "Add outbound port rule". A "Need help?" link and an "Understand Azure load balancing" link are also present.

The bottom taskbar includes icons for search, file explorer, browser, mail, and other system functions. The status bar shows battery level (95%), temperature (29°C), signal strength, and system time (12:49 PM 9/7/2023).

# Go to application security group and webtier and save

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the navigation path: Home > Virtual machines > WEB1. Below this, the main content area shows a virtual machine named "WEB1 | Networking". The "Networking" tab is selected. On the right, a modal window titled "Configure the application security groups" is open for the network interface "web1287". The "Application security groups" dropdown is set to "WebTier". A note in the modal states: "Showing only application security groups in the same region as the network interface. If you choose more than one application security group, they must all exist in the same virtual network." At the bottom of the modal are "Save" and "Discard" buttons. The taskbar at the bottom of the screen shows various pinned icons and system status information.

# And now configuration is saving

The screenshot shows the Microsoft Azure portal interface for managing a virtual machine named WEB1. The left sidebar lists various settings like Overview, Activity log, Access control (IAM), Tags, and Networking. The Networking section is currently selected. In the main content area, the 'Networking' tab is active, showing details for a network interface named 'web1287'. The IP configuration is set to 'ipconfig1 (Primary)'. Below this, there are tabs for Network Interface, Effective security rules, Troubleshoot VM connection, Inbound port rules, Outbound port rules, Application security groups, and Load balancing. The 'Application security groups' tab is selected, showing a dropdown menu with 'WebTier' listed. A modal dialog box titled 'Configure the application security groups' is open, indicating that changes are being saved. The dialog also notes that it is modifying the application security groups associated with the network interface 'web1287'. The status bar at the bottom shows battery level (95%), temperature (29°C), signal strength, and system information (ENG IN 12:51 PM 9/7/2023).

# Now configuration page is saved

The screenshot shows the Microsoft Azure portal interface. The browser title bar reads "WEB1 - Microsoft Azure". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for "bindubiju81@outlook.com" and "DEFAULT DIRECTORY".

The main content area displays the "WEB1 | Networking" page for a "Virtual machine". The left sidebar lists various settings: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (selected), Networking (selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity.

The main content area shows the "IP configuration" for "web1287" (ipconfig1 (Primary)). It lists the Network Interface: web1287, Effective security rules, Troubleshoot VM connection issues, Virtual network/subnet: SiteVnet2/sagte, NIC Public IP: -, NIC Private IP: 10.6.2.4, and Accelerated networking. Below this, tabs for Inbound port rules, Outbound port rules, Application security groups (selected), and Load balancing are shown. A button to "Configure the application security groups" is present.

A "Notifications" panel on the right shows a single event: "Successfully updated network interface" with the message "Successfully updated the application security groups associated to the network interface 'web1287'." The timestamp is "a few seconds ago".

The bottom taskbar includes icons for File Explorer, Edge browser, Mail, OneDrive, Google Sheets, and Task View, along with system status indicators for battery level (95%), temperature (29°C), signal strength, and connectivity.

# Now go to web2 vm and click the networking page and click application security page

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Virtual machines, WEB2, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking (which is selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity.

The main content area displays the "WEB2 | Networking" page for the VM "WEB2". It shows the IP configuration "ipconfig1 (Primary)" and the Network Interface "web2601". Below this, there are tabs for Inbound port rules, Outbound port rules, Application security groups (which is currently selected), and Load balancer. A "Configure the application security groups" button is visible.

A modal window titled "Configure the application security groups" is open on the right. It contains a "Save" and "Discard" button at the top. A note states: "Showing only application security groups in the same region as the network interface. If you choose more than one application security group, they must all exist in the same virtual network." Below this, a dropdown menu labeled "Application security groups" is set to "WebTier".

The bottom taskbar shows system status: 95% battery, 29°C temperature, ENG IN language, 12:54 PM time, and 9/7/2023 date.

# Now this process is saving

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Virtual machines, WEB2, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking (selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity.

The main content area displays the "WEB2 | Networking" page for a virtual machine named "WEB2". The "Networking" tab is selected. On the left, there is a "Network Interface" section for "web2601" connected to "ipconfig1 (Primary)". Below it are tabs for Inbound port rules, Outbound port rules, Application security groups (which is currently selected), and Load balancing.

A modal window titled "Configure the application security groups" is open, showing a list of "Application security groups" with "WebTier" selected. A status message indicates "Updating". A tooltip provides information about modifying network interfaces and application security groups.

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators like battery level (95%), temperature (29°C), and system language (ENG IN).

# Now page is saved

The screenshot shows the Microsoft Azure portal interface. The title bar reads "WEB2 - Microsoft Azure". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.com DEFAULT DIRECTORY".

The main content area displays the "WEB2 | Networking" page for a "Virtual machine". The left sidebar lists navigation options: Home, Virtual machines, WEB2, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Networking selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Help & support.

The main content area shows the "Networking" tab for the "web2601" configuration. It lists an IP configuration: "ipconfig1 (Primary)". Below this, it shows the "Network Interface: web2601" with details: Effective security rules, Troubleshoot VM connection issues, Virtual network/subnet: SiteVnet2/sagte, NIC Public IP: -, NIC Private IP: **10.6.2.5**, Accelerated networking, Inbound port rules, Outbound port rules, Application security groups (selected), Load balancing, and a "Configure the application security groups" button. A "Need help?" section provides links to Understand Azure load balancing, Quickstart: Create a public load balancer to load balance Virtual Machines, and Quickstart: Direct web traffic with Azure Application Gateway.

A "Notifications" panel on the right shows a single event: "Successfully updated network interface" with the message "Successfully updated the application security groups associated to the network interface 'web2601.'", timestamped "a few seconds ago". There is also a link to "More events in the activity log".

The bottom taskbar includes icons for File Explorer, Edge browser, Mail, OneDrive, and Power BI, along with system status indicators for battery level (95%), temperature (29°C), and connectivity.

# Go to SQL vm and scroll down click networking page

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Virtual machines, SQL, SQL | Networking (selected), Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking (selected), Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity.

The main content area displays the "SQL | Networking" page for a virtual machine named "sql445". The IP configuration is set to "ipconfig1 (Primary)". The Network Interface is "sql445" with a Virtual network/subnet of "SiteVnet2/sagte", NIC Public IP as -, and NIC Private IP as "10.6.2.6". Below this, there are tabs for Inbound port rules, Outbound port rules, Application security groups (which is the active tab), and Load balancing.

A modal window titled "Configure the application security groups" is open. It shows the "sq|445" network interface and lists "DataTier" under "Application security groups". A note states: "Showing only application security groups in the same region as the network interface. If you choose more than one application security group, they must all exist in the same virtual network." Buttons for Save and Discard are present.

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Mail, and Edge, along with system status indicators like battery level (95%), temperature (29°C), and connectivity.

# Select datatier and save the configuration

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Virtual machines, SQL, and other options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Networking, Connect, Windows Admin Center, Disks, Size, Microsoft Defender for Cloud, Advisor recommendations, Extensions + applications, Availability + scaling, Configuration, and Identity. The Networking section is currently selected.

The main content area displays the "SQL | Networking" page for a virtual machine named "sql445". The IP configuration dropdown is set to "ipconfig1 (Primary)". The Network Interface is listed as "sql445" with details: Virtual network/subnet: SiteVnet2/sagte, NIC Public IP: -, NIC Private IP: 10.6.2.6, Acceleration status: Off. Below these details are tabs for Inbound port rules, Outbound port rules, Application security groups, and Load balancing.

A modal window titled "Configure the application security groups" is open, showing the "sql445" network interface. It contains a message: "... Modifying network interface" and "Modifying the application security groups associated to the network interface 'sql445'." There are Save and Discard buttons. A progress indicator shows "Updating". A note below states: "Showing only application security groups in the same region as the network interface. If you choose more than one application security group, they must all exist in the same virtual network." The Application security groups dropdown is set to "DataTier".

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Mail, and Edge, along with system status indicators for battery level (95%), temperature (29°C), signal strength, and date/time (12:56 PM, 9/7/2023).

# Create a network security group

The screenshot shows the Microsoft Azure portal interface for creating a Network Security Group (NSG). The browser title bar reads "Create network security group - | X". The address bar shows the URL "https://portal.azure.com/#create/Microsoft.NetworkSecurityGroup-ARM". The top navigation bar includes the Microsoft Azure logo, a search bar ("Search resources, services, and docs (G+/)"), and user information ("bindubiju81@outlook.com DEFAULT DIRECTORY"). Below the header, the breadcrumb navigation shows "Home > Network security groups > Create network security group".

The main content area is titled "Create network security group" and contains three tabs: "Basics" (selected), "Tags", and "Review + create".

**Project details**

- Subscription \*: Free Trial
- Resource group \*: Siteoffice2 (with a "Create new" link)

**Instance details**

- Name \*: AppNSG1
- Region \*: South Central US

At the bottom of the form, there are buttons for "Review + create" (highlighted in blue), "< Previous" and "Next : Tags >" (disabled), and "Download a template for automation".

The taskbar at the bottom of the screen shows various pinned icons and system status indicators, including battery level (95%), temperature (29°C), and system time (1:20 PM, 9/7/2023).

Click the NSG and create and give a name AppNSG1.  
Then review+create click the and go to next page

The screenshot shows a Microsoft Azure browser-based interface for creating a Network Security Group (NSG). The title bar indicates the page is 'Create network security group - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.NetworkSecurityGroup-ARM>. The top navigation bar includes links for Microsoft Azure, search, and user account information.

The main content area displays the 'Create network security group' wizard. A green success message at the top states 'Validation passed'. Below it, the 'Review + create' tab is selected, while 'Basics' and 'Tags' tabs are also present.

**Basics** section details:

Subscription	Free Trial
Resource group	Siteoffice2
Region	South Central US
name	AppNSG1

**Tags** section details:

None

At the bottom of the wizard, there are buttons for 'Create' (highlighted in blue), '< Previous' (disabled), 'Next >', and 'Download a template for automation'. The status bar at the bottom of the screen shows system information: battery level (95%), temperature (29°C), signal strength, ENG IN, 1:20 PM, and the date 9/7/2023.

# Initialization process is start

A screenshot of a Microsoft Edge browser window displaying the Azure portal at <https://portal.azure.com/#create/Microsoft.NetworkSecurityGroup-ARM>. The user is creating a Network Security Group (NSG) named 'AppNSG1' under the 'Siteoffice2' resource group in the South Central US region, using the 'Free Trial' subscription. The 'Review + create' tab is selected. A progress dialog box in the top right corner shows 'Initializing deployment...' and 'Initializing template deployment to resource group 'Siteoffice2''. The taskbar at the bottom shows various pinned icons and system status.

Validation passed

Basics Tags Review + create

Subscription: Free Trial  
Resource group: Siteoffice2  
Region: South Central US  
name: AppNSG1

Tags  
None

Create < Previous Next > Download a template for automation

Type here to search

95% 29°C ENG IN 1:21 PM 9/7/2023

# Deployment progress is start now and running this process

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current view is 'Microsoft.NetworkSecurityGroup'. The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2...>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information.

The main content area displays the 'Microsoft.NetworkSecurityGroup-20230907131936 | Overview' page. A prominent message states 'Deployment is in progress'. Below this, deployment details are listed:

- Deployment name : Microsoft.NetworkSecurityGroup-20230907131936
- Start time : 9/7/2023, 1:21:31 PM
- Subscription : Free Trial
- Correlation ID : 3e40dea0-9668-43aa-aaa1-84361ae35010
- Resource group : Siteoffice2

A 'Deployment details' section shows a table:

Resource	Type	Status	Operation details
AppNSG1	Network security group	Created	<a href="#">Operation details</a>

Below the table, there are links for 'Give feedback' and 'Tell us about your experience with deployment'.

The right sidebar contains promotional links:

- Microsoft Defender for Cloud**: Secure your apps and infrastructure. [Go to Microsoft Defender for Cloud >](#)
- Free Microsoft tutorials**: [Start learning today >](#)
- Work with an expert**: Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. [Find an Azure expert >](#)

The bottom of the screen shows the Windows taskbar with the Start button, a search bar, pinned application icons (File Explorer, Mail, Edge, etc.), battery level (95%), temperature (29°C), and system status (ENG IN).

# Deployment process is complete

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the user is viewing the 'Microsoft.NetworkSecurityGroup' deployment details. The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...>. The top navigation bar includes the Microsoft Azure logo, a search bar, and a user profile for 'bindubiju81@outlook.com'. Below the header, the page title is 'Microsoft.NetworkSecurityGroup-20230907131936 | Overview'. On the left, a sidebar menu lists 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area displays a green checkmark icon and the message 'Your deployment is complete'. It provides deployment details: Deployment name: Microsoft.NetworkSecurityGroup-20230907131936, Start time: 9/7/2023, 1:21:31 PM, Subscription: Free Trial, Correlation ID: 3e48dea0-9668-43aa-aaa1-84361ae35010, Resource group: Siteoffice2. Below this, there are two collapsed sections: 'Deployment details' and 'Next steps'. A blue 'Go to resource' button is located at the bottom of the main content. To the right, there are three promotional cards: 'Cost management' (Get notified to stay within your budget and prevent unexpected charges on your bill), 'Microsoft Defender for Cloud' (Secure your apps and infrastructure), and 'Free Microsoft tutorials' (Start learning today). At the bottom, there are links for 'Work with an expert' (Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support) and 'Find an Azure expert'. The taskbar at the bottom of the screen shows various pinned icons and system status information.

# Go to AppNSG1 and scroll down page and click the inbound rules

The screenshot shows the Microsoft Azure portal interface. The title bar reads "AppNSG1 - Microsoft Azure". The address bar shows the URL "https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...". The top navigation bar includes "Microsoft Azure", a search bar, and user information "bindubiju81@outlook.c... DEFAULT DIRECTORY". The main content area is titled "AppNSG1 | Inbound security rules" under "Network security group". On the left, a sidebar menu lists "Overview", "Activity log", "Access control (IAM)", "Tags", "Diagnose and solve problems", "Settings" (which is selected), "Inbound security rules" (under "Networking"), "Outbound security rules", "Network interfaces", "Subnets", "Properties", and "Locks". Below the sidebar, a message states: "Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and protocol to allow or deny the traffic. A security rule can't have the same priority and direction as an existing rule. You can't delete default security rules, but you can override them with rules that have a higher priority. [Learn more](#)". The main table displays three inbound security rules:

Priority ↑↓	Name ↑↓	Port ↑↓	Protocol ↑↓	Source ↑↓	Destination ↑↓	Action ↑↓
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancer...	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

The status bar at the bottom shows the URL "https://go.microsoft.com/fwlink/?linkid=2174617", the taskbar with various pinned icons, battery level "95%", temperature "29°C", and system information "ENG IN 9/7/2023 1:23 PM".

# Click add button and give the source and destination

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Inbound security rules (selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, Logs, and NSG flow logs. The main content area displays the 'AppNSG1 | Inbound security rules' page, which lists three existing rules: AllowVnetInBound, AllowAzureLoadBalancer..., and DenyAllInBound. A modal dialog box titled 'Add inbound security rule' is open on the right, prompting for new rule details. The 'Source' dropdown is set to 'Application security group' with 'WebTier' selected. The 'Destination' dropdown is set to 'Application security group' with 'DataTier' selected. The 'Service' dropdown is set to 'Custom'. The 'Destination port ranges' field contains '1433'. At the bottom of the dialog are 'Add' and 'Cancel' buttons.

Priority	Name	Port	Protocol
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancer...	Any	Any
65500	DenyAllInBound	Any	Any

# Now add inbound security rule change the destination port and priority then save

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft.NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Network security group, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Inbound security rules selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring (Alerts, Diagnostic settings, Logs, NSG flow logs), and Type here to search.

The main content area displays the 'AppNSG1 | Inbound security rules' page. It shows a table of existing rules:

Priority ↑	Name ↑	Port ↑	Protocol ↑
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancer...	Any	Any
65500	DenyAllInBound	Any	Any

To the right, an 'Add inbound security rule' dialog is open:

- Destination port ranges \***: 1433
- Protocol**: TCP (selected)
- Action**: Allow (selected)
- Priority \***: 200
- Name \***: AllowDataTierInbound1433
- Description**: (empty)

At the bottom of the dialog are 'Add' and 'Cancel' buttons, and a 'Give feedback' link.

# Click the add button and save the configuration

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft.NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Inbound security rules (selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, and Logs.

The main content area displays the "AppNSG1 | Inbound security rules" page. It shows a table of existing rules:

Priority	Name	Port	Protocol
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

A modal dialog titled "Add inbound security rule" is open on the right, showing the configuration for a new rule:

- Destination port ranges:** 1433
- Protocol:** TCP (selected)
- Action:** Allow (selected)
- Priority:** 200
- Name:** AllowDataTierInbound1433
- Description:** (empty)

At the bottom of the modal are "Add" and "Cancel" buttons, and a "Give feedback" link.

# Repeat the procedure in inbound rule

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft Network Security Group Overview, AppNSG1, Inbound security rules (selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, Logs, and NSG flow logs. The main content area displays the 'AppNSG1 | Inbound security rules' page, which lists existing rules:

Priority	Name	Port	Protocol
200	AllowDataTierInbound	1433	TCP
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerInbound	Any	Any
65500	DenyAllInBound	Any	Any

A modal dialog titled 'Add inbound security rule' is open on the right, showing fields for configuration:

- Source: Any
- Source port ranges: \*
- Destination: Application security group (WebTier selected)
- Destination application security groups: WebTier
- Service: Custom
- Destination port ranges: 80
- Protocol: TCP (selected)

At the bottom of the dialog are 'Add' and 'Cancel' buttons.

# Repeat the procedure earlier and make a change the configuration

The screenshot shows the Microsoft Azure portal interface for managing Network Security Groups (NSGs). The left sidebar navigation includes Home, Microsoft.NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Inbound security rules selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, Logs, and NSG flow logs.

The main content area displays the "AppNSG1 | Inbound security rules" page. It lists existing rules:

Priority	Name	Port	Protocol
200	AllowDataTierInbound	1433	TCP
65000	AllowVnetInbound	Any	Any
65001	AllowAzureLoadBalancerInbound	Any	Any
65500	DenyAllInbound	Any	Any

A modal dialog titled "Add inbound security rule" is open on the right, showing the configuration for a new rule:

- Destination port ranges: 80
- Protocol: TCP (selected)
- Action: Allow (selected)
- Priority: 210
- Name: AllowAnyWebTierInboundTCP80
- Description: (empty)

At the bottom of the dialog are "Add" and "Cancel" buttons, along with a "Give feedback" link.

# Now click the add button

The screenshot shows the Microsoft Azure portal interface for creating an inbound security rule. The URL in the address bar is <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The user is signed in as bindubiju81@outlook.com.

The left sidebar shows the navigation path: Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1. The 'Inbound security rules' section is selected under 'Settings'.

The main content area displays the current inbound security rules:

Priority	Name	Port	Protocol
200	AllowDataTierInbou...	1433	TCP
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancer...	Any	Any
65500	DenyAllInBound	Any	Any

A modal window titled 'Add inbound security rule' is open on the right, showing the configuration for a new rule:

- Destination port ranges \***: 80
- Protocol**: TCP (selected)
- Action**: Allow (selected)
- Priority \***: 210
- Name \***: AllowAnyWebTierInboundTCP80
- Description**: (empty)

At the bottom of the modal are 'Add' and 'Cancel' buttons, and a 'Give feedback' link.

# Now is save and show the page

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Inbound security rules selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring (Alerts, Diagnostic settings, Logs, NSG flow logs), and a search bar at the bottom.

The main content area displays the "AppNSG1 | Inbound security rules" section. It features a table listing security rules:

Priority ↑↓	Name ↑↓	Port ↑↓	Protocol ↑↓	Source ↑↓
200	AllowDataTierInbou...	1433	TCP	
210	AllowAnyWebTierInb...	80	TCP	
65000	AllowVnetInBound	Any	Any	VNet
65001	AllowAzureLoadBalanc...	Any	Any	Azure
65500	DenyAllInBound	Any	Any	All

A notifications panel on the right shows a message: "Created security rule" with a green checkmark, followed by the text "Successfully created security rule 'AllowAnyWebTierInboundTCP80'." and the timestamp "a few seconds ago".

The system tray at the bottom shows battery level (95%), temperature (29°C), signal strength, and system status (ENG IN 1:38 PM 9/7/2023).

# Repeat the same procedure

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Microsoft NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Inbound security rules (selected), Outbound security rules, Network interfaces, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, Logs, and NSG flow logs. The main content area displays the 'AppNSG1 | Inbound security rules' page, which lists several existing security rules:

Priority	Name	Port	Protocol
200	AllowDataTierInbou...	1433	TCP
210	AllowAnyWebTierInb...	80	TCP
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

To the right, a modal dialog titled 'Add inbound security rule' is open, allowing configuration of a new rule. The 'Source' section is set to 'IP Addresses' with the value '10.5.0.0/24,10.5.11.0/24'. The 'Destination' section is set to 'Any'. The 'Service' section is set to 'Custom'. The 'Protocol' section has 'Any' selected. The 'Action' section contains 'Add' and 'Cancel' buttons.

Add inbound security rule - Microsoft Azure | siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

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

bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and direction as an existing rule. You can't delete default security rules, but you can override them.

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbound	1433	TCP
210	AllowAnyWebTierInbound	80	TCP
65000	AllowVnetInbound	Any	Any
65001	AllowAzureLoadBalancerInbound	Any	Any
65500	DenyAllInbound	Any	Any

### Add inbound security rule

AppNSG1

Destination port ranges \* ①

3389 ✓

Protocol

Any  TCP  UDP  ICMP

Action

Allow  Deny

Priority \* ①

300 ✓

Name \*

AllowAdminInboundAny3389 ✓

Description

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:47 PM 9/7/2023

Microsoft Azure | Microsoft NetworkSecurityGroup-20230907131936 | Overview | AppNSG1

## AppNSG1 | Inbound security rules

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and protocol. Rules with the same priority and direction as an existing rule are evaluated in the order they were created. You can't delete default security rules, but you can override them.

Priority ↑	Name ↑	Port ↑	Protocol ↑
<input type="checkbox"/> 200	<a href="#">AllowDataTierInbound</a> 1433	TCP	
<input type="checkbox"/> 210	<a href="#">AllowAnyWebTierInbound</a> 80	TCP	
<input type="checkbox"/> 65000	AllowVnetInbound	Any	
<input type="checkbox"/> 65001	AllowAzureLoadBalancerInbound	Any	
<input type="checkbox"/> 65500	DenyAllInbound	Any	

Add inbound security rule... Creating security rule  
Creating security rule 'AllowAdminInboundAny3389'.

Destination port ranges \* 3389

Protocol Any

Action Allow

Priority \* 300

Name \* AllowAdminInboundAny3389

Description

Add Cancel Give feedback

AppNSG1 - Microsoft Azure siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Inbound security rules (selected)

Outbound security rules Network interfaces Subnets Properties Locks

Monitoring

Alerts Diagnostic settings Logs NSG flow logs

Notifications

More events in the activity log → Dismiss all

Created security rule

Successfully created security rule 'AllowAdminInboundAny3389'. a few seconds ago

Priority ↑ Name ↑ Port ↑ Protocol ↑ Source ↑

Priority	Name	Port	Protocol	Source
200	AllowDataTierInbou...	1433	TCP	Any
210	AllowAnyWebTierInb...	80	TCP	Any
300	AllowAdminInboundAny...	3389	Any	10.0.0.0/8
65000	AllowVnetInBound	Any	Any	VNet
65001	AllowAzureLoadBalancerIn...	Any	Any	Azure Load Balancer
65500	DenyAllInBound	Any	Any	All

Type here to search

95% 29°C ENG IN 1:48 PM 9/7/2023

Add inbound security rule - Microsoft Azure | siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

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

bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks

Monitoring Alerts Diagnostic settings Logs NSG flow logs

Filter by name Port == all Protocol == all Source == all

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbou...	1433	TCP
210	AllowAnyWebTierInb...	80	TCP
300	AllowAdminInboundAny...	3389	Any
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

Add inbound security rule

AppNSG1

Source Service Tag

Source service tag \* VirtualNetwork

Source port ranges \* \*

Destination Application security group

Destination application security groups DataTier

Filter the application security groups

Service Custom

Destination port ranges \* \*

Protocol Any

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:52 PM 9/7/2023

siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

Microsoft Azure

Search resources, services, and docs (G+)

bindubiju81@outlook.c...  
DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

AppNSG1 | Inbound security rules

Network security group

Search

Add Hide default rules Refresh Delete Give feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Inbound security rules

Outbound security rules

Network interfaces

Subnets

Properties

Locks

Monitoring

Alerts

Diagnostic settings

Logs

NSG flow logs

Priority ↑ Name ↑ Port ↑ Protocol ↑

Priority	Name	Port	Protocol
200	AllowDataTierInbou...	1433	TCP
210	AllowAnyWebTierInb...	80	TCP
300	AllowAdminInboundAny...	3389	Any
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

Add inbound security rule

AppNSG1

Destination port ranges \*

Protocol

Any

TCP

UDP

ICMP

Action

Allow

Deny

Priority \*

Name \*

Description

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:52 PM 9/7/2023

Add inbound security rule - Microsoft Azure | siteVnet1 - Microsoft Azure | +

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

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

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Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks

Monitoring

Alerts Diagnostic settings Logs NSG flow logs

Filter by name Port == all Protocol == all Source == all

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbou...	1433	TCP
210	AllowAnyWebTierInb...	80	TCP
300	AllowAdminInboundAny...	3389	Any
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

Add inbound security rule... Creating security rule  
Creating security rule 'DenyVnetDataTierInbound'.

Destination port ranges \* \*

Protocol

Any (radio button selected)

TCP

UDP

ICMP

Action

Allow

Deny (radio button selected)

Priority \* 1000

Name \* DenyVnetDataTierInbound

Description

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:53 PM 9/7/2023

AppNSG1 - Microsoft Azure siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks

Monitoring Alerts Diagnostic settings Logs NSG flow logs

More events in the activity log → Dismiss all

Created security rule Successfully created security rule 'DenyVnetDataTierInbound'. a few seconds ago

Priority ↑ Name ↑ Port ↑ Protocol ↑ Source ↑

Priority ↑	Name ↑	Port ↑	Protocol ↑	Source ↑
200	AllowDataTierInbou...	1433	TCP	A
210	AllowAnyWebTierInb...	80	TCP	A
300	AllowAdminInboundAny...	3389	Any	I
1000	DenyVnetDataTierInb...	Any	Any	V
65000	AllowVnetInBound	Any	Any	V
65001	AllowAzureLoadBalancerIn...	Any	Any	A
65500	DenyAllInBound	Any	Any	A

Type here to search 95% 29°C ENG IN 1:53 PM 9/7/2023

Add inbound security rule - Microsoft Azure | siteVnet1 - Microsoft Azure

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

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Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks

Monitoring

Alerts Diagnostic settings Logs NSG flow logs

Filter by name Port == all Protocol == all Source == all

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbou...	1433	TCP
210	AllowAnyWebTierInb...	80	TCP
300	AllowAdminInboundAny...	3389	Any
1000	DenyVnetDataTierInb...	Any	Any
65000	AllowVnetInBound	Any	Any
65001	AllowAzureLoadBalancerIn...	Any	Any
65500	DenyAllInBound	Any	Any

### Add inbound security rule

AppNSG1

Source ① Service Tag

Source service tag \* ① VirtualNetwork

Source port ranges \* ① \*

Destination ① Application security group

Destination application security groups WebTier

Filter the application security groups

Service ① Custom

Destination port ranges \* ① \*

Protocol ① Any

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:58 PM 9/7/2023

Add inbound security rule - Microsoft Azure siteVnet1 - Microsoft Azure

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Microsoft Azure Search resources, services, and docs (G+/-) bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and direction as an existing rule. You can't delete default security rules, but you can override them.

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbound	1433	TCP
210	AllowAnyWebTierInbound	80	TCP
300	AllowAdminInboundAnyPort	3389	Any
1000	DenyVnetDataTierInbound	Any	Any
65000	AllowVnetInbound	Any	Any
65001	AllowAzureLoadBalancerInbound	Any	Any
65500	DenyAllInbound	Any	Any

Add inbound security rule

AppNSG1

Destination port ranges \*

Protocol  Any  TCP  UDP  ICMP

Action  Allow  Deny

Priority \*

Name \*

Description

Add Cancel Give feedback

Type here to search

95% 29°C ENG IN 1:58 PM 9/7/2023

Add inbound security rule - Microsoft Azure | siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

Microsoft Azure bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and protocol. Rules with the same priority and direction as an existing rule. You can't delete default security rules, but you can override them.

Priority ↑	Name ↑	Port ↑	Protocol ↑
200	AllowDataTierInbound	1433	TCP
210	AllowAnyWebTierInbound	80	TCP
300	AllowAdminInboundAnyPort	3389	Any
1000	DenyVnetDataTierInbound	Any	Any
65000	AllowVnetInbound	Any	Any
65001	AllowAzureLoadBalancerInbound	Any	Any
65500	DenyAllInbound	Any	Any

Add inbound security rule ... Creating security rule  
AppNSG1  
Creating security rule 'DenyVNetWebTierInbound'.

Destination port ranges \* : \*

Protocol : Any

Action : Deny

Priority \* : 1050

Name \* : DenyVNetWebTierInbound

Description :

Add Cancel Give feedback

Type here to search 95% 29°C ENG IN 1:59 PM 9/7/2023

AppNSG1 - Microsoft Azure siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

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Home > Microsoft.NetworkSecurityGroup-20230907131936 | Overview > AppNSG1

## AppNSG1 | Inbound security rules

Network security group

Search Add Hide default rules Refresh Delete Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

**Inbound security rules**

Settings

Outbound security rules Network interfaces Subnets Properties Locks

Monitoring

Alerts Diagnostic settings Logs NSG flow logs

Notifications

More events in the activity log → Dismiss all

**Created security rule**

Successfully created security rule 'DenyVNetWebTierInbound'. a few seconds ago

Filter by name Port == all Protocol == all Source == all

Priority ↑	Name ↑	Port ↑	Protocol ↑	Source ↑
200	AllowDataTierInbou...	1433	TCP	A
210	AllowAnyWebTierInb...	80	TCP	A
300	AllowAdminInboundAny...	3389	Any	I
1000	DenyVnetDataTierInb...	Any	Any	V
1050	DenyVNetWebTierInb...	Any	Any	V
65000	AllowVnetInBound	Any	Any	V
65001	AllowAzureLoadBalancer...	Any	Any	A
65500	DenyAllInBound	Any	Any	A

Type here to search 95% 29°C ENG IN 1:59 PM 9/7/2023

# Now the associate the subnet

The screenshot shows the Microsoft Azure portal interface. The user is on the 'Subnets' page of a Network Security Group named 'AppNSG1'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Inbound security rules, Outbound security rules, Network interfaces, Subnets, Properties, Locks), Monitoring (Alerts, Diagnostic settings, Logs, NSG flow logs), and a search bar at the bottom. The main content area has a search bar labeled 'Search subnets' and a table with columns 'Name', 'Address range', and 'Virtual network'. A message 'No results.' is displayed. Above the table, there is a blue button labeled '+ Associate'. The browser's address bar shows the URL for the Azure portal.

# Click the add button choose the sitvnet2

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes links for Home, Microsoft NetworkSecurityGroup-20230907131936 | Overview, AppNSG1, Subnets, Properties, Locks, Monitoring, Alerts, Diagnostic settings, Logs, and NSG flow logs. The main content area displays the 'Associate subnet' dialog for the 'AppNSG1' network security group. The dialog has fields for 'Virtual network' (set to 'SiteVnet2 (Siteoffice2)') and 'Subnet' (set to 'sagte'). An 'Associate' button is visible on the left, and an 'OK' button is at the bottom right of the dialog.

# Save the configuration the page

The screenshot shows the Microsoft Azure portal interface. The user is in the 'Associate subnet' dialog for an NSG named 'AppNSG1'. The dialog is titled 'Associate subnet' and shows the 'AppNSG1' network security group. It includes fields for 'Virtual network' (set to 'SiteVnet2 (Siteoffice2)') and 'Subnet' (set to 'sagte'). A status message indicates 'Saving subnet' and 'Saving network security group for subnet 'sagte''. The background shows the 'Subnets' section of the 'AppNSG1' overview page, which lists 'No results.' under the 'Name' column. The portal navigation bar at the top shows the user's email ('bindubiju81@outlook.com') and the 'DEFAULT DIRECTORY'.

Associate subnet

AppNSG1

Virtual network \* SiteVnet2 (Siteoffice2)

Subnet \* sagte

OK

Bindubiju81@outlook.com

Default Directory

# Save the configuration

The screenshot shows the Microsoft Azure portal interface. The user is on the 'Subnets' page for a Network Security Group named 'AppNSG1'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Inbound security rules, Outbound security rules, Network interfaces, Subnets selected), Properties, Locks, Monitoring (Alerts, Diagnostic settings, Logs, NSG flow logs), and a search bar at the bottom.

The main content area displays a table for associating subnets:

Name	Address range
sage	10.6.2.0/24

A notifications panel on the right shows a success message: "Saving subnet" with a checkmark, followed by the text "Successfully saved network security group for subnet 'sage'." and the timestamp "a few seconds ago".

The browser address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>

The taskbar at the bottom includes icons for File Explorer, Mail, and Edge, along with system status indicators like battery level (95%), temperature (29°C), and connectivity.

# Click the route table and give the name

The screenshot shows a Microsoft Azure portal window titled "Create Route table". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The user is signed in as bindubiju81@outlook.com.

The page displays the "Basics" step of the wizard. The "Project details" section includes fields for "Subscription" (Free Trial) and "Resource group" (Siteoffice1). The "Instance details" section includes fields for "Region" (South Central US), "Name" (AdminR), and a "Propagate gateway routes" toggle switch set to "Yes".

At the bottom, there are "Previous", "Next", and "Review + create" buttons. The "Review + create" button is highlighted in blue. The taskbar at the bottom of the screen shows various pinned icons and system status information like battery level (95%), temperature (29°C), and network connection.

# Click the review + create button and check configuration

The screenshot shows a Microsoft Azure portal window titled "Create Route table - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.com" in the "DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > Route tables > Create Route table".

The main content area has tabs: "Basics", "Tags", and "Review + create". The "Review + create" tab is selected. A link "View automation template" is present.

**TERMS**  
By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

**Basics**

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Name	AdminRt
Propagate gateway routes	Yes

At the bottom, there are buttons: "Previous", "Next", and a blue "Create" button. The taskbar at the bottom of the screen shows the Windows Start button, a search bar with "Type here to search", and various pinned icons for Microsoft Edge, File Explorer, Mail, and others. The system tray shows battery level (95%), temperature (29°C), network status, and the date/time (2:07 PM, 9/7/2023).

# Now the initialization the process is start

The screenshot shows a Microsoft Azure portal window titled "Create Route table - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The user is signed in as bindubiju81@outlook.com. A message box in the top right corner indicates "Initializing deployment..." and "Initializing template deployment to resource group 'Siteoffice1'". The main page displays the "Create Route table" wizard with the "Review + create" tab selected. Below it, there's a "View automation template" link. The "TERMS" section contains a detailed legal notice about agreeing to terms and privacy statements. The "Basics" section shows the following configuration:

Setting	Value
Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Name	AdminRt
Propagate gateway routes	Yes

At the bottom, there are "Previous", "Next", and "Create" buttons. The taskbar at the bottom of the screen shows the Windows Start button, a search bar with the placeholder "Type here to search", and several pinned icons for Microsoft Edge, File Explorer, Mail, and others. The system tray shows battery level (95%), temperature (29°C), and a timestamp (2:08 PM, 9/7/2023).

# Deployment progress is start

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Microsoft.RouteTable-202309071' and 'siteVnet1 - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...>. The user's email, 'bindubiju81@outlook.com', is visible in the top right corner.

The main page title is 'Microsoft.RouteTable-20230907140553 | Overview'. On the left, there is a sidebar with navigation links: Home, Microsoft.RouteTable-20230907140553, Deployment, Overview (which is selected), Inputs, Outputs, and Template.

The central content area displays deployment details:

- Deployment is in progress**
- Deployment name :** Microsoft.RouteTable-20230907140553
- Subscription :** Free Trial
- Resource group :** Siteoffice1
- Start time :** 9/7/2023, 2:08:33 PM
- Correlation ID :** 6c7bcbcb-0859-4b89-8857-b815516ca290

Below this, under 'Deployment details', is a table:

Resource	Type	Status	Operation details
AdminRt	Route table	Created	<a href="#">Operation details</a>

At the bottom of the main content area, there are two feedback options:

- [Give feedback](#)
- [Tell us about your experience with deployment](#)

The bottom of the screen shows the Windows taskbar with various pinned icons (File Explorer, Edge, Mail, etc.) and system status indicators (battery level 95%, temperature 29°C, language ENG IN, date/time 2:08 PM 9/7/2023).

# Deployment process is complete

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for "Microsoft.RouteTable-202309071" and "siteVnet1 - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2...>. The main content area displays the "Overview" page for a deployment named "Microsoft.RouteTable-20230907140553". The status message "Your deployment is complete" is shown with a green checkmark icon. Deployment details include: Deployment name: Microsoft.RouteTable-20230907140553, Subscription: Free Trial, Resource group: Siteoffice1. The deployment started at 9/7/2023, 2:08:33 PM with a Correlation ID of 6c7bcbcb-0859-4b89-8857-b815516ca290. Below the overview, there are sections for "Deployment details" and "Next steps", with a prominent blue "Go to resource" button. On the right side, there are promotional links for "Cost management", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

Microsoft.RouteTable-20230907140553 | Overview

Your deployment is complete

Deployment name : Microsoft.RouteTable-20230907140553

Subscription : Free Trial

Resource group : Siteoffice1

Start time : 9/7/2023, 2:08:33 PM

Correlation ID : 6c7bcbcb-0859-4b89-8857-b815516ca290

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

95%

29°C

ENG IN

2:09 PM  
9/7/2023

# Repeat the procedure another route table

The screenshot shows the Microsoft Azure portal interface for creating a new Route table. The browser tab is titled "Create Route table - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The Azure search bar at the top contains the query "Search resources, services, and docs (G+)".

The main content area is titled "Create Route table". It has three tabs at the top: "Basics" (selected), "Tags", and "Review + create".

**Project details**

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

Subscription \*: Free Trial

Resource group \*: Siteoffice2

**Instance details**

Region \*: South Central US

Name \*: AppRT

Propagate gateway routes \*: Yes (radio button selected)

At the bottom, there are "Previous", "Next", and "Review + create" buttons. The "Review + create" button is highlighted in blue. The status bar at the bottom shows system information: 95% battery, 29°C temperature, ENG IN language, 2:10 PM time, and 9/7/2023 date.

# Review + create and check the configuration

The screenshot shows a Microsoft Edge browser window displaying the Azure portal. The title bar indicates the user is creating a route table named 'siteVnet1'. The address bar shows the URL: <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The Azure navigation bar at the top includes 'Microsoft Azure', a search bar, and a user profile for 'bindubiju81@outlook.com'. Below the navigation bar, the breadcrumb trail shows 'Home > Route tables > Create Route table'. The main content area is titled 'Create Route table' and has tabs for 'Basics', 'Tags', and 'Review + create', with 'Review + create' being the active tab. A link 'View automation template' is also present. The 'TERMS' section contains a detailed legal agreement. The 'Basics' section displays the following configuration:

Basics	
Subscription	Free Trial
Resource group	Siteoffice2
Region	South Central US
Name	AppRT
Propagate gateway routes	Yes

At the bottom of the page are buttons for 'Previous', 'Next', and a prominent blue 'Create' button. The taskbar at the bottom of the screen shows various pinned icons and system status indicators.

# Now initialization process is start

The screenshot shows a Microsoft Azure browser-based interface for creating a Route table. The title bar includes tabs for 'Create Route table - Microsoft A' and 'siteVnet1 - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The main navigation bar has 'Microsoft Azure' and a search bar 'Search resources, services, and docs (G+ /)'. The user's email 'bindubiju81@outlook.com' and 'DEFAULT DIRECTORY' are visible.

The page title is 'Create Route table'. Below it, there are three tabs: 'Basics', 'Tags', and 'Review + create', with 'Review + create' being the active tab. A link 'View automation template' is also present.

A 'TERMS' section contains a detailed legal agreement text about agreeing to terms and conditions for creating the Route table.

The 'Basics' section displays the following configuration:

Setting	Value
Subscription	Free Trial
Resource group	Siteoffice2
Region	South Central US
Name	AppRT
Propagate gateway routes	Yes

At the bottom of the page are buttons for 'Previous', 'Next', and 'Create'. The status bar at the bottom of the screen shows system information: battery level (95%), temperature (29°C), signal strength, network connection, and system time (2:11 PM, 9/7/2023). A search bar with placeholder text 'Type here to search' is also visible.

# Deployment progress is running

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Microsoft.RouteTable-20230907141009' and 'siteVnet1 - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2...>. The user's email, bindubiju81@outlook.com, is visible in the top right corner.

The main page title is 'Microsoft.RouteTable-20230907141009 | Overview'. On the left, there is a sidebar with navigation links: Home, Microsoft.RouteTable-20230907141009, Deployment, Overview (which is selected), Inputs, Outputs, and Template. Below the sidebar, a search bar and action buttons (Delete, Cancel, Redeploy, Download, Refresh) are present.

The central content area displays a message: 'Deployment is in progress'. It provides deployment details: Deployment name: Microsoft.RouteTable-20230907141009, Subscription: Free Trial, Resource group: SiteOffice2. It also shows the start time: 9/7/2023, 2:11:43 PM and Correlation ID: ea62928f-f8f7-413c-bb84-0f48a6c23e0e.

A table titled 'Deployment details' lists one resource: AppRT (Type: Route table, Status: OK). There are links for 'Operation details' and 'Give feedback'.

On the right side, there are promotional banners for Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

The bottom of the screen shows the Windows taskbar with the Start button, a search bar, pinned icons for File Explorer, Mail, and Edge, and system status indicators like battery level (95%), temperature (29°C), and date/time (2:11 PM, 9/7/2023).

# Deployment the is complete

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Microsoft.RouteTable-202309071' and 'siteVnet1 - Microsoft Azure'. The main title is 'Microsoft.RouteTable-20230907141009 | Overview'. On the left, a sidebar lists 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area displays a green checkmark icon and the message 'Your deployment is complete'. It provides deployment details: Deployment name: Microsoft.RouteTable-20230907141009, Subscription: Free Trial, Resource group: Siteoffice2. It also shows the start time (9/7/2023, 2:11:43 PM) and Correlation ID (ea62928f-f8f7-413c-bb84-0f48a6c23e0e). Below this, there are sections for 'Deployment details' (with a link to 'Go to resource') and 'Next steps' (with a link to 'Give feedback'). To the right, there are promotional cards for 'Cost management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

# Click the AppRT and add button

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the Azure Resource Manager (ARM) template editor. The current view is the 'Route tables' section under 'AppRT'. The left sidebar contains a navigation tree with various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Routes (which is selected), Subnets, Properties, Locks, Monitoring, Alerts, Automation, Tasks (preview), and Export template. The main content area displays a table titled 'Search routes' with columns for Name, Address prefix, Next hop type, and Next hop IP address. A message 'No results.' is shown. At the top of the main area, there is a search bar, a '+ Add' button, a Refresh button, and a 'Give feedback' link. The browser's address bar shows the URL for the portal. The taskbar at the bottom includes icons for File Explorer, Edge, Mail, and File Explorer again, along with system status indicators like battery level (95%), temperature (29°C), and system time (2:15 PM, 9/7/2023).

# Give route name its APP management

The screenshot shows the Microsoft Azure portal interface. The left sidebar is for 'AppRT | Routes' under 'Route table'. The main area is titled 'Add route' for 'AppRT'. The configuration fields are:

- Route name: AppToInternet
- Destination type: IP Addresses
- Destination IP addresses/CIDR ranges: 0.0.0.0/0
- Next hop type: Virtual appliance
- Next hop address: 10.6.1.5

A note at the bottom of the dialog box states: "Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings."

# Click the save configuration

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes 'Home', 'Route tables', 'AppRT | Routes' (selected), 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings' (Configuration selected), 'Routes' (selected), 'Subnets', 'Properties', 'Locks', 'Monitoring' (Alerts selected), 'Automation' (Tasks (preview) selected), and 'Export template'. The main content area displays a table titled 'Search routes' with columns 'Name' and 'Address prefix'. A modal dialog titled 'Add route' is open, showing the configuration for a new route:

- Route name \***: AppToInternet
- Destination type \***: IP Addresses
- Destination IP addresses/CIDR ranges \***: 0.0.0.0/0
- Next hop type \***: Virtual appliance
- Next hop address \***: 10.6.1.5

A note at the bottom of the dialog box states: "Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings."

At the bottom right of the dialog is a blue 'Add' button. The status bar at the bottom of the screen shows system information: 95%, 29°C, ENG IN, 2:17 PM, 9/7/2023.

# Now configuration is saved

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "AppRT - Microsoft Azure". The URL is <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The user's email is "bindubiju81@outlook.com" and the directory is "DEFAULT DIRECTORY".

The main page title is "AppRT | Routes" under "Route tables > AppRT". The left sidebar includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Routes, Subnets, Properties, Locks), Monitoring (Alerts), and Automation (Tasks (preview), Export template). The "Routes" section is currently selected.

The main content area displays a table of routes:

Name ↑	Address prefix ↑	Next hop type
AppToInternet	0.0.0/0	VirtualAppliance

A search bar at the top of the table says "Search routes". Below the table, there are "Add", "Refresh", and "Give feedback" buttons.

The right side of the screen features a "Notifications" panel. It shows a single event: "Successfully added route" with the message "Successfully added route 'AppToInternet' to route table 'AppRT'." The timestamp is "a few seconds ago". There is also a "Dismiss all" button.

The taskbar at the bottom of the screen includes icons for File Explorer, Edge, Mail, and File Explorer, along with system status indicators like battery level (95%), temperature (29°C), and network connection.

# Same repeat the procedure and create new route table

The screenshot shows the Microsoft Azure portal interface. The left sidebar is titled "AppRT | Routes" and includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, and Routes (which is currently selected). The main content area displays a table of existing routes, with one entry named "AppToInternet" and address prefix "0.0.0.0". A modal dialog titled "Add route" is open on the right, prompting for a new route configuration. The fields filled in the dialog are:

- Route name: AdminToInternet
- Destination type: IP Addresses
- Destination IP addresses/CIDR ranges: 10.6.0.8/29
- Next hop type: Virtual appliance
- Next hop address: 10.6.1.5

A note at the bottom of the dialog box states: "Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings."

# Save the configuration

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs: "Add route - Microsoft Azure" and "SQL - Microsoft Azure". The main title bar says "Microsoft Azure" and "bindubiju81@outlook.com DEFAULT DIRECTORY". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The left sidebar menu includes "Home", "Route tables", "AppRT | Routes" (selected), "Overview", "Activity log", "Access control (IAM)", "Tags", "Diagnose and solve problems", "Settings", "Configuration", "Routes" (selected), "Subnets", "Properties", "Locks", "Monitoring", "Alerts", "Automation", "Tasks (preview)", and "Export template". The main content area displays a table of routes with columns "Name" and "Address prefix". One row is selected: "AppToInternet" with "0.0.0.0/0". A modal dialog titled "Add route" is open on the right, showing fields for "Route name" (set to "AdminToInternet"), "Destination type" (set to "IP Addresses"), "Destination IP addresses/CIDR ranges" (set to "10.6.0.8/29"), "Next hop type" (set to "Virtual appliance"), and "Next hop address" (set to "10.6.1.5"). A note at the bottom of the dialog says: "Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings." At the bottom of the dialog are "Add" and "Give feedback" buttons. The taskbar at the bottom shows various pinned icons and system status indicators.

# Now saved the configuration

The screenshot shows the Microsoft Azure portal interface. The user is in the 'Route tables' section under 'AppRT'. The left sidebar shows navigation options like Overview, Activity log, Access control (IAM), Tags, and Diagnose and solve problems. Under Settings, 'Routes' is selected. The main content area displays a table of routes:

Name ↑	Address prefix ↑	Next hop type
AppToInternet	0.0.0.0/0	VirtualAppliance
AdminToInternet	10.6.0.8/29	VirtualAppliance

A notification bar at the top right indicates: 'Successfully added route' and 'Successfully added route 'AdminToInternet' to route table 'AppRT''. The status message says 'a few seconds ago'. The browser address bar shows the URL for the Azure portal.

# Repeat the same procedure and create the route table

The screenshot shows the Microsoft Azure portal interface. The left sidebar is for the 'AdminRt' route table, with 'Routes' selected. The main area displays the 'Add route' dialog.

**Add route**

Route name \*: AdminToOnPremises

Destination type \*: IP Addresses

Destination IP addresses/CIDR ranges \*: 192.168.0.0/16

Next hop type \*: Virtual network gateway

Next hop address: (empty)

**Add**

A user defined route (UDR) is a static route that overrides Azure's default system routes, or adds a route to a subnet's route table. [Learn more](#)

Route tables: AdminRt | Routes

Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems

Settings: Configuration, Routes (selected), Subnets, Properties, Locks

Monitoring: Alerts

Automation: Tasks (preview), Export template

Search resources, services, and docs (G+)

bindubiju81@outlook.com DEFAULT DIRECTORY

Windows taskbar: Type here to search, Start button, Taskbar icons (File Explorer, Edge, Mail, etc.), Battery level (95%), Temperature (29°C), Volume, Network, Language (ENG IN), Date (9/7/2023), Chat icon.

# Save the configuration

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs: "Add route - Microsoft Azure" and "SQL - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The user's email, bindubiju81@outlook.com, is visible in the top right corner.

The main content area shows the "Route tables" section for the "AdminRt" route table. The left sidebar includes links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Routes (which is selected), Subnets, Properties, Locks, Monitoring, Alerts, Automation, Tasks (preview), and Export template.

A modal dialog titled "Add route" is open on the right. It displays the message "... Adding route" and "Adding route 'AdminToOnPremises' to route table 'AdminRt'...". Below this, a note states: "A user defined route (UDR) is a static route that overrides Azure's default system routes, or adds a route to a subnet's route table. Learn more ↗".

The "Add route" form contains the following fields:

- Route name \***: AdminToOnPremises
- Destination type \***: IP Addresses
- Destination IP addresses/CIDR ranges \***: 192.168.0.0/16
- Next hop type \***: Virtual network gateway
- Next hop address**: (empty field)

At the bottom of the dialog are "Add" and "Give feedback" buttons.

The taskbar at the bottom of the screen shows various pinned icons, including Microsoft Edge, File Explorer, Mail, and others. The system tray indicates battery level (95%), temperature (29°C), and system status (ENG IN 2:28 PM 9/7/2023).

# Process is complete

The screenshot shows the Microsoft Azure portal interface. The title bar displays two tabs: "AdminRt - Microsoft Azure" and "SQL - Microsoft Azure". The main navigation bar includes links for "Home", "Route tables", and "AdminRt". The left sidebar is titled "AdminRt | Routes" and lists several sections: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Routes, Subnets, Properties, Locks), Monitoring (Alerts), and Automation (Tasks (preview), Export template). The "Routes" section is currently selected. The main content area shows a table titled "Search routes" with one entry: "Name": "AdminToOnPremises", "Address prefix": "192.168.0.0/16", and "Next hop type": "VirtualNetwork". To the right, a "Notifications" panel is open, displaying a single event: "Successfully added route" with a timestamp of "a few seconds ago". The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

Name ↑↓	Address prefix ↑↓	Next hop type
AdminToOnPremises	192.168.0.0/16	VirtualNetwork

Notifications

More events in the activity log → Dismiss all

Successfully added route

Successfully added route 'AdminToOnPremises' to route table 'AdminRt'. a few seconds ago

# Repeat the same procedure and create a new route table

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs: 'Add route - Microsoft Azure' and 'SQL - Microsoft Azure'. The main title bar says 'Microsoft Azure' and shows the URL 'https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...'. The user's email 'bindubiju81@outlook.c...' and 'DEFAULT DIRECTORY' are also visible.

The left sidebar menu is open, showing the following sections:

- Home > Route tables > AdminRt
- AdminRt | Routes** (selected)
- Route table
- Search input field
- + Add | Refresh | Give feedback
- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
  - Configuration
  - Routes** (selected)
  - Subnets
  - Properties
  - Locks
- Monitoring
  - Alerts
- Automation
  - Tasks (preview)
  - Export template

The main content area displays a table titled 'Search routes' with one entry:

Name ↑↓	Address prefix ↑↓	Next hop type
AdminToOnPremises	192.168.0.0/16	Virtu

To the right, a 'Add route' form is open:

- Route name \***: AdminToApp
- Destination type \***: IP Addresses
- Destination IP addresses/CIDR ranges \***: 10.6.2.0/24
- Next hop type \***: Virtual appliance
- Next hop address \***: 10.6.1.5
- A note at the bottom: 'Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings.'
- Add** button
- Give feedback** link

The taskbar at the bottom includes icons for File Explorer, Mail, Edge browser, and Task View, along with system status indicators like battery level (95%), temperature (29°C), and system time (2:30 PM 9/7/2023).

# Save the configuration

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes Home, Route tables, AdminRt, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Routes, Subnets, Properties, Locks), Monitoring (Alerts), and Automation (Tasks (preview), Export template). The main content area displays the 'AdminRt | Routes' page, which lists a single route named 'AdminToOnPremises' with an address prefix of '192.168.0.0/16'. A modal dialog titled 'Add route' is open on the right, showing fields for 'Route name' (set to 'AdminToApp'), 'Destination type' (set to 'IP Addresses'), 'Destination IP addresses/CIDR ranges' (set to '10.6.2.0/24'), 'Next hop type' (set to 'Virtual appliance'), and 'Next hop address' (set to '10.6.1.5'). A note at the bottom of the dialog says: 'Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings.' At the bottom of the dialog are 'Add' and 'Give feedback' buttons.

# Now process is saved

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs: "AdminRt - Microsoft Azure" and "SQL - Microsoft Azure". The main content area is titled "AdminRt | Routes" and shows a list of routes in a table. The table has columns: Name, Address prefix, and Next hop type. There are two entries: "AdminToOnPremises" with address prefix "192.168.0.0/16" and next hop type "VirtualNetwork", and "AdminToApp" with address prefix "10.6.2.0/24" and next hop type "VirtualAppliance". On the left, a sidebar menu is open under the "Routes" section. A notifications panel on the right displays a message: "Successfully added route 'AdminToApp' to route table 'AdminRt'. a few seconds ago". The bottom status bar shows the URL "https://portal.azure.com/#blade/Microsoft\_Azure\_ActivityLog/ActivityLogBlade/q...", battery level at 95%, temperature at 29°C, and system time at 2:31 PM on 9/7/2023.

Name ↑	Address prefix ↑	Next hop type
AdminToOnPremises	192.168.0.0/16	VirtualNetwork
AdminToApp	10.6.2.0/24	VirtualAppliance

Notifications

More events in the activity log → Dismiss all

Successfully added route AdminToApp to route table AdminRt. a few seconds ago

https://portal.azure.com/#blade/Microsoft\_Azure\_ActivityLog/ActivityLogBlade/q...

# Create the load balancer

The screenshot shows the Microsoft Azure portal interface for creating a load balancer. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.LoadBalancer-ARM>. The top navigation bar includes 'Microsoft Azure', 'Upgrade', and a search bar. The user's email, bindubiju81@outlook.com, is visible in the top right.

The main page title is 'Create load balancer'. Below it, there are tabs for 'Basics', 'Frontend IP configuration', 'Backend pools', 'Inbound rules', 'Outbound rules', 'Tags', and 'Review + create'. The 'Basics' tab is selected.

The 'Project details' section contains fields for 'Subscription' (Free Trial) and 'Resource group' (Siteoffice2). There is also a 'Create new' button for resource groups.

The 'Instance details' section includes fields for 'Name' (WEBLB), 'Region' (South Central US), 'SKU' (Standard), and 'Type' (Internal). The 'SKU' field has three options: Standard, Gateway, and Basic, with Standard selected. The 'Type' field has two options: Public and Internal, with Internal selected.

At the bottom of the page, there are buttons for 'Review + create', '< Previous', 'Next : Frontend IP configuration >', 'Download a template for automation', and 'Give feedback'.

The taskbar at the bottom of the screen shows various pinned icons and system status information, including battery level (92%), temperature (29°C), weather (Partly sunny), and system time (5:40 PM, 9/7/2023).

# Go to market place and create a load balancer

The screenshot shows the Microsoft Azure portal interface for creating a load balancer. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.LoadBalancer-ARM>. The top navigation bar includes 'Microsoft Azure', 'Upgrade', and a search bar. On the left, there's a breadcrumb trail: Home > Load balancing | Load Balancer > Create load balancer. The main content area is titled 'Create load balancer' and has tabs for 'Basics', 'Frontend IP configuration' (which is selected), 'Backend pools', 'Inbound rules', 'Outbound rules', 'Tags', and 'Review + create'. A sub-section titled 'Add a frontend IP configuration' is shown, with a table for adding IP addresses. The right side of the screen displays the 'Add frontend IP configuration' dialog with the following fields:

- Name \*: WEBLBIP
- Virtual network \*: SiteVnet2 (Siteoffice2)
- Subnet \*: Appsub (10.6.0.0/24)
- Assignment:  
 Dynamic  Static
- IP address \*: 10.6.0.100
- Availability zone \*: 1

At the bottom of the page, there are buttons for 'Review + create', '< Previous' (disabled), 'Next : Backend pools >', 'Download a template for automation', 'Give feedback', and a large blue 'Add' button. The taskbar at the bottom shows various pinned icons and system status.

# Review + create button click check the configuration

The screenshot shows the Microsoft Azure portal interface for creating a load balancer. The browser title is "Create load balancer - Microsoft" and the URL is "https://portal.azure.com/#create/Microsoft.LoadBalancer-ARM". The top navigation bar includes "Microsoft Azure", "Upgrade", a search bar, and user information for "bindubiju81@outlook.c...". Below the header, the breadcrumb navigation shows "Home > Load balancing | Load Balancer > Create load balancer".

The main content area displays the "Review + create" step. A green success message "Validation passed" is shown. The configuration details are listed under three sections: Basics, Frontend IP configuration, and Backend pools.

**Basics**

Subscription	Free Trial
Resource group	Siteoffice2
Name	WEBLB
Region	South Central US
SKU	Standard
Tier	Regional
Type	Internal

**Frontend IP configuration**

Frontend IP configuration name	WEBLBIP
Frontend IP configuration IP address	10.6.0.100

**Backend pools**

None

At the bottom, there are buttons for "Create" (highlighted in blue), "< Previous" and "Next >" (disabled), and links for "Download a template for automation" and "Give feedback". The taskbar at the bottom shows the Windows Start button, a search bar with the placeholder "Type here to search", and various pinned icons. The system tray shows battery level (96%), weather (29°C Partly sunny), network status, and system information (ENG IN, 5:50 PM, 9/7/2023).

# Now load balancer initialization process is start

The screenshot shows the Microsoft Azure portal interface for creating a load balancer. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.LoadBalancer-ARM>. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a user profile for 'bindubiju81@outlook.com'. A progress dialog box in the top right corner displays the message '... Initializing deployment...' and 'Initializing template deployment to resource group 'Siteoffice2''. The main page content is titled 'Create load balancer' and shows the 'Basics' tab selected. The 'Validation passed' message is visible. Below the tabs, the 'Basics' section lists the following configuration:

Subscription	Free Trial
Resource group	Siteoffice2
Name	WEBLB
Region	South Central US
SKU	Standard
Tier	Regional
Type	Internal

The 'Frontend IP configuration' section shows:

Frontend IP configuration name	WEBLBIP
Frontend IP configuration IP address	10.6.0.100

The 'Backend pools' section shows 'None'.

At the bottom, there are buttons for 'Create', '< Previous', 'Next >', 'Download a template for automation', and 'Give feedback'. The taskbar at the bottom of the screen shows various pinned icons and system status information, including a search bar, battery level (96%), temperature (29°C), weather (Partly sunny), and system time (5:51 PM, 9/7/2023).

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the window is for "Microsoft.LoadBalancer-20230907174532" and the URL is "https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...". The top navigation bar includes "Microsoft Azure", "Upgrade", and a search bar. The user's email "bindubiju81@outlook.com" and "DEFAULT DIRECTORY (BINDUBU...)" are also visible.

The main content area displays the "Overview" tab for the deployment. It shows the deployment name "Microsoft.LoadBalancer-20230907174532", subscription "Free Trial", and resource group "Siteoffice2". The status message "Deployment is in progress" is prominently displayed. Deployment details include a start time of "9/7/2023, 5:51:55 PM" and a correlation ID of "7b403b69-5151-4162-ac51-d0173884ab7d". A "Deployment details" section shows a table with columns "Resource", "Type", "Status", and "Operation details". The table body contains the message "There are no resources to display.".

On the right side of the deployment overview, there are promotional links for "Microsoft Defender for Cloud" (Secure your apps and infrastructure, Go to Microsoft Defender for Cloud >), "Free Microsoft tutorials" (Start learning today >), and "Work with an expert" (Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support, Find an Azure expert >).

The taskbar at the bottom of the screen shows various pinned icons and system status information, including a search bar, battery level (96%), weather (29°C Partly sunny), and system time (5:52 PM 9/7/2023).

# Deployment is complete

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current view is 'Microsoft.LoadBalancer-20230907174532 | Overview'. The main content area displays a green checkmark icon followed by the text 'Your deployment is complete'. Below this, deployment details are listed: Deployment name: Microsoft.LoadBalancer-20230907174532, Subscription: Free Trial, Resource group: SiteOffice2. To the right, deployment metadata is shown: Start time: 9/7/2023, 5:51:55 PM, Correlation ID: 7b403b69-5151-4162-ac51-d0173884ab7d. A sidebar on the left contains navigation links for Overview, Inputs, Outputs, and Template. A central sidebar on the right provides links to Cost management, Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert. The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

Microsoft.LoadBalancer-20230907174532 | Overview

Your deployment is complete

Deployment name : Microsoft.LoadBalancer-20230907174532

Subscription : Free Trial

Resource group : SiteOffice2

Start time : 9/7/2023, 5:51:55 PM

Correlation ID : 7b403b69-5151-4162-ac51-d0173884ab7d

Inputs

Outputs

Template

Give feedback

Tell us about your experience with deployment

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

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

96%

29°C Partly sunny

ENG IN

5:52 PM  
9/7/2023

# Now go to WEBLB load balancer and click the backend pool

The screenshot shows the Microsoft Azure portal interface. The title bar reads "WEBLB - Microsoft Azure". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...>. The top navigation bar includes "Microsoft Azure", "Upgrade", and a search bar. A user profile is visible on the right.

The main content area is titled "WEBLB | Backend pools" and shows the following details:

- Overview:** The backend pool is a critical component of the load balancer. It defines the group of resources that will serve traffic for a given load-balancing rule. [Learn more.](#)
- Activity log:** Shows recent activity.
- Access control (IAM):** Manage roles and permissions.
- Tags:** Manage resource tags.
- Diagnose and solve problems:** Tools for troubleshooting.
- Settings:**
  - Frontend IP configuration:** Manage frontend IP configurations.
  - Backend pools:** Selected in the sidebar.
  - Health probes:** Manage health probes.
  - Load balancing rules:** Manage load balancing rules.
  - Inbound NAT rules:** Manage inbound NAT rules.
  - Properties:** Manage properties.
  - Locks:** Manage locks.
- Monitoring:**
  - Insights:** Monitor the load balancer.
  - Diagnostic settings:** Set up diagnostic logs.

The "Backend pools" section has a table with the following columns:

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status

At the bottom of the page, there is a footer with the URL <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subsc...>, a "Give feedback" link, and a taskbar with various icons and system status information (97% battery, 29°C weather, ENG IN language).

# Click the add button and select the virtual machine

The screenshot shows the Microsoft Azure portal interface for managing a load balancer. On the left, there's a sidebar with options like 'Add backend pool' and 'IP configurations'. The main area is titled 'Add IP configurations to backend pool' and shows a table of resources. The table has columns for Resource Name, Resource group, Type, IP configuration, IP Address, Availability set, and Tags. Under the 'Type' column, it says 'Virtual machine (3)' and lists three entries: SQL, WEB1, and WEB2. The 'WEB1' entry has a checked checkbox next to it. At the bottom of the table, there are 'Save', 'Cancel', and 'Give feedback' buttons.

Resource Name	Resource group	Type	IP configuration	IP Address	Availability set	Tags
SQL	Siteoffice2	Virtual machine	ipconfig1	10.6.2.6	-	-
WEB1	Siteoffice2	Virtual machine	ipconfig1	10.6.2.4	-	-
WEB2	Siteoffice2	Virtual machine	ipconfig1	10.6.2.5	-	-

# Give the name and save the progress . Now deployment is start

Add backend pool - Microsoft Azure

https://portal.azure.com/#view/Microsoft\_Azure\_Network/RegionalLBBackendPoolManage.ReactView/loadBalancerId/...

Microsoft Azure

Search resources, services, and docs (G+)

bindubiju81@outlook.com

DEFAULT DIRECTORY (BINDUBU...)

Home > Microsoft.LoadBalancer-20230907174532 | Overview > WEMLB | Backend pools >

Add backend pool

WEMLB

Name \* LBBE

Virtual network SiteVnet2

Backend Pool Configuration NIC

IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add | X Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Availability set
WEB1	Siteoffice2	Virtual machine	ipconfig1	10.6.2.4	-
WEB2	Siteoffice2	Virtual machine	ipconfig1	10.6.2.5	-

Save Cancel Give feedback

Type here to search

97% 29°C Partly sunny ENG IN 5:56 PM 9/7/2023

# Deployment is complete

The screenshot shows the Microsoft Azure portal interface for managing a load balancer named WEBLB. The left sidebar navigation bar is visible, showing various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Frontend IP configuration, Backend pools (which is selected), Health probes, Load balancing rules, Inbound NAT rules, Properties, and Locks. The main content area displays the 'Backend pools' section for the WEBLB load balancer. It includes a search bar, an 'Add' button, and a 'Refresh' button. A descriptive text states: 'The backend pool is a critical component of the load balancer. The backend pool defines the group of resources that will serve traffic for a given load-balancing rule.' Below this is a table listing two backend pools:

Backend pool	Resource Name	IP address	Network interface
LBBE (2)			
LBBE	WEB2	10.6.2.5	web2601
LBBE	WEB1	10.6.2.4	web1287

To the right, a 'Notifications' panel is open, showing a single event: 'Deployment succeeded' with the message 'Deployment 'RegionalLoadBalancerBackendPoolCreateOrUpdate-20230907175640-69' to resource group 'Siteoffice2' for successful.' This notification was received 'a few seconds ago'. The bottom of the screen shows the Windows taskbar with the search bar containing 'Type here to search', pinned icons for File Explorer, Edge, Mail, and File History, battery status at 98%, weather information (29°C Partly sunny), system status (ENG IN), and the date/time (5:58 PM 9/7/2023).

# Click the add health probe and changes the configuration

The screenshot shows a Microsoft Azure portal window titled "Add health probe - Microsoft Azure". The URL in the address bar is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Network/HealthProbeManage.ReactView/loadBalancerId/%2Fsubscri...](https://portal.azure.com/#view/Microsoft_Azure_Network/HealthProbeManage.ReactView/loadBalancerId/%2Fsubscri...). The browser interface includes back, forward, search, and other standard navigation buttons.

The main content area displays the "Add health probe" configuration form for a load balancer. The form fields are as follows:

- Name \***: HTTP
- Protocol \***: HTTP
- Port \* (i)**: 80
- Path \* (i)**: /
- Interval (seconds) \* (i)**: 5
- Used by \* (i)**: Not used

At the bottom of the form are "Save" and "Cancel" buttons, along with a "Give feedback" link. The status bar at the bottom of the browser shows the Windows taskbar with various pinned icons (File Explorer, Mail, Edge, etc.), battery level (98%), weather (29°C Partly sunny), system language (ENG IN), and date/time (5:59 PM 9/7/2023).

**Click save button now save.**

# Configuration are now save.

The screenshot shows the Microsoft Azure portal interface. The URL in the address bar is <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...>. The user is signed in as bindubiju81@outlook.com.

The main page title is "WEBLB | Health probes". The left sidebar menu includes options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Frontend IP configuration, Backend pools, Health probes (which is selected and highlighted in grey), Load balancing rules, Inbound NAT rules, Properties, Locks, Monitoring, Insights, and Diagnostic settings.

The central content area displays a table for "Health probes". The table has columns for Name, Protocol, Port, and Path. One row is visible, showing "HTTP" as the name, "Http" as the protocol, "80" as the port, and "/" as the path.

A "Notifications" panel on the right shows a single event: "Saved probe" with the message "Successfully saved probe 'HTTP.'". The timestamp is "a few seconds ago".

The bottom status bar shows the URL [%3A%"40me%"7D">https://portal.azure.com/#blade/Microsoft\\_Azure\\_ActivityLog/ActivityLogBlade/queryInputs/%7B"user">%3A%"40me%"7D](https://portal.azure.com/#blade/Microsoft_Azure_ActivityLog/ActivityLogBlade/queryInputs/%7B), the search bar, taskbar icons (File Explorer, Edge browser, Mail, Task View, Google Sheets), battery level (98%), temperature (29°C), weather (Partly sunny), language (ENG IN), time (6:00 PM), and date (9/7/2023).

# Add load balancing rule and save

The screenshot shows the Microsoft Azure portal interface for adding a load balancing rule. The URL in the browser is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Network/LoadBalancingRuleManage.ReactView/loadBalancerId/%2F...](https://portal.azure.com/#view/Microsoft_Azure_Network/LoadBalancingRuleManage.ReactView/loadBalancerId/%2F...). The page title is "Add load balancing rule - Microsoft Azure". The top navigation bar includes "Microsoft Azure", "Upgrade", "Search resources, services, and docs (G+)", and a user profile for "bindubiju81@outlook.com". The main content area is titled "Add load balancing rule" under "WEBLB | Load balancing rules". A note states: "Backend pool instances: Only backend instances that the health probe considers healthy receive new traffic." The configuration fields are as follows:

- Name \***: HHTTP
- IP Version \***: IPv4 (selected)
- Frontend IP address \***: WEBLBIP (10.6.0.100)
- Backend pool \***: LBBE
- High availability ports**: (checkbox)
- Protocol**: TCP (selected)
- Port \***: 80
- Backend port \***: 80
- Health probe \***: HTTP (HTTP:80)
- Session persistence**: None
- Idle timeout (minutes) \***: 4
- Enable TCP Reset**: (checkbox)
- Enable Floating IP**: (checkbox)

At the bottom, there are "Save" and "Cancel" buttons, and a "Give feedback" link. The taskbar at the bottom of the screen shows various pinned icons and the system status bar indicating 98% battery, 29°C weather, Partly sunny, ENG IN, 6:02 PM, and 9/7/2023.

# Now configuration are saving

Add load balancing rule - Microsoft Azure

https://portal.azure.com/#view/Microsoft\_Azure\_Network/LoadBalancingRuleManage.ReactView/loadBalancerId/%2F...

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

bindubiju81@outlook.com    DEFAULT DIRECTORY (BINDUBU...)

Home > Microsoft.LoadBalancer-20230907174532 | Overview > WEBLB | Load balancing rules >

Add load balancing rule

WEBLB

Backend pool instances: Only backend instances that the health probe considers healthy receive new traffic.

Name \* HHTTP

IP Version \*  IPv4  IPv6

Frontend IP address \* WEBLBIP (10.6.0.100)

Backend pool \* LBBE

High availability ports

Protocol  TCP  UDP

Port \* 80

Backend port \* 80

Health probe \* HTTP (HTTP:80)

Session persistence  None

Idle timeout (minutes) \* 4

Enable TCP Reset

Enable Floating IP

Saving load balancer rule  
Saving load balancer rule 'HHTTP'.

Save Cancel Give feedback

Type here to search

29°C Partly sunny 99% ENG IN 6:03 PM 9/7/2023

# Now configuration are saved.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a notifications icon. The main content area displays the 'Load balancing rules' page for a resource named 'WEBLB'. On the left, a sidebar lists various settings like Overview, Activity log, Access control (IAM), Tags, and Load balancing rules (which is currently selected). The main pane shows a table of existing load balancing rules:

Name	Load balancing rule	Backend pool
HHTTP	HHTTP (TCP/80)	LBBE

A notification on the right side of the screen states: "Saved load balancer rule" and "Successfully saved load balancer rule 'HHTTP'." The notification also includes a timestamp: "a few seconds ago". The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

Go to route table and AdminRt and click subnets select the vnet.

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, AdminRt, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Routes, Subnets (selected), Properties, Locks, Monitoring, Alerts, Automation, Tasks (preview), and Export template. The main content area displays the 'AdminRt | Subnets' page under the 'Route table' section. A search bar at the top right says 'Search resources, services, and docs (G+)'. Below it, a 'Associate' button is followed by a 'Search subnets' input field and a table with columns: Name, Address range, and Virtual. The table displays the message 'No results.' On the right, a modal window titled 'Associate subnet' is open, showing 'AdminRt' as the selected route table. It contains two dropdown fields: 'Virtual network \*' set to 'SiteVnet2 (Siteoffice2)' and 'Subnet \*' set to 'Appsub'. At the bottom of the modal are 'OK' and 'Cancel' buttons, along with a 'Give feedback' link. The taskbar at the bottom of the screen shows various pinned icons and system status information like battery level, temperature, and system time.

# Now this process is saving.

The screenshot shows the Microsoft Azure portal interface. The user is in the 'Associate subnet' dialog, which is a modal window. The dialog has fields for 'Virtual network' (set to 'SiteVnet2 (Siteoffice2)') and 'Subnet' (set to 'Appsub'). A progress bar at the top right indicates 'Saving route table for subnet'. The background shows the 'AdminRt | Subnets' page with a sidebar containing 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Configuration', 'Routes', 'Subnets' (which is selected), 'Properties', and 'Locks'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

# Now subnets are saved.

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Routes, Subnets, Properties, Locks), Monitoring (Alerts), Automation (Tasks (preview), Export template), and a bottom link for Microsoft Azure Activity Log.

The main content area is titled "AdminRt | Subnets" under the "Route table" section. It features a search bar and an "Associate" button. Below these are two tables: one for routes and another for subnets. The subnet table has columns for Name, Address range, and Virtual network. One entry is shown: Appsub, 10.6.0.0/24, SiteVnet2.

A "Notifications" panel on the right shows a single event: "Saved route table for subnet" with the message "Successfully saved route table for subnet 'Appsub'." The timestamp is "a few seconds ago".

The browser's address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...>

The taskbar at the bottom includes icons for Start, Search, Task View, Edge browser, File Explorer, Mail, and File History, along with system status indicators for battery level (100%), temperature (29°C), weather (Partly sunny), and system info (ENG IN 10:36 AM 9/8/2023).

# Now click associate button save choose subnet.

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation path is Home > Siteoffice2 > AppRT. The main area displays the 'AppRT | Subnets' blade, which includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Routes, Subnets selected), Properties, and Locks. A 'Search' bar is at the top of the blade. To the right, a modal dialog titled 'Associate subnet' is open. It has fields for 'Virtual network \*' (set to 'siteVnet1 (Siteoffice1)') and 'Subnet \*' (set to 'Admin'). Below these fields is a table with columns 'Name ↑', 'Address range ↑', and 'Virtual'. The table displays the message 'No results.'. At the bottom of the dialog are 'OK' and 'Cancel' buttons, along with a 'Give feedback' link. The status bar at the bottom of the screen shows system information: 29°C Partly sunny, ENG IN, 10:38 AM, 9/8/2023.

# Now this process are saving.

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Siteoffice2, AppRT, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Routes, Subnets (selected), Properties, Locks, Monitoring, Alerts, Automation, Tasks (preview), and Export template. The main content area displays the 'AppRT | Subnets' page under 'Route table'. A modal dialog titled 'Associate subnet' is open, showing fields for 'Virtual network' (set to 'siteVnet1 (Siteoffice1)') and 'Subnet' (set to 'Admin'). A status message at the top right of the dialog says '... Saving route table for subnet' and 'Saving route table for subnet 'Admin''. At the bottom right of the dialog is an 'OK' button. The taskbar at the bottom shows various pinned icons and system status information like battery level, temperature (29°C), weather (Partly sunny), and system time (10:38 AM, 9/8/2023).

# Configuration are saved.

The screenshot shows the Microsoft Azure portal interface. The title bar reads "AppRT - Microsoft Azure". The address bar shows the URL: <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...>. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.com".

The main content area displays the "AppRT | Subnets" page under "Route table". On the left, a sidebar lists navigation options: Home, Siteoffice2, AppRT, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Routes, Subnets (selected), Properties, Locks, Monitoring, Alerts, Automation, Tasks (preview), and Export template.

In the center, there is an "Associate" section with a search bar for "Search subnets". A table lists a single subnet entry:

Name ↑↓	Address range ↑↓	Virtual network ↑↓
Admin	10.5.3.0/25	siteVnet1

The right side of the screen features a "Notifications" panel with a heading "Saved route table for subnet". It contains a message: "Successfully saved route table for subnet 'Admin'." with a timestamp "a few seconds ago". There is also a link "More events in the activity log →" and a "Dismiss all" button.

The taskbar at the bottom includes icons for Start, Search, File Explorer, Edge browser, Mail, LinkedIn, and Google Sheets, along with system status indicators for battery level (100%), weather (29°C Partly sunny), and system time (10:39 AM 9/8/2023).

# Create a firewall

The screenshot shows the Microsoft Azure portal interface for creating a new Azure Firewall instance. The browser title bar reads "Create a firewall - Microsoft Azure". The URL in the address bar is [https://portal.azure.com/?feature.msaljs=true#view/Microsoft\\_Azure\\_HybridNetworking/CreateCloudNativeFirewallBl...](https://portal.azure.com/?feature.msaljs=true#view/Microsoft_Azure_HybridNetworking/CreateCloudNativeFirewallBl...). The top navigation bar includes the Microsoft Azure logo, an "Upgrade" button, a search bar, and user information for "bindubiju81@outlook.com" in the "DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > siteVnet1 | Firewall > Create a firewall".

The main content area is titled "Create a firewall". It features three tabs at the top: "Basics" (selected), "Tags", and "Review + create".

**Basics** tab content:

- Project details**:
  - Subscription \*: Free Trial
  - Resource group \*: Siteoffice1 (with a "Create new" link)
- Instance details**:
  - Name \*: Azfirewall
  - Region \*: South Central US
  - Availability zone: None
- A note at the bottom states: "Premium firewalls support additional capabilities, such as SSL termination and IDPS. Additional costs may apply." with a "Learn more" link.

**Review + create** button is visible at the bottom left, along with "Previous" and "Next: Tags >" buttons. A "Download a template for automation" link is also present.

The taskbar at the bottom of the screen includes the Start button, a search bar with the placeholder "Type here to search", pinned icons for File Explorer, Mail, and Edge, and system status indicators for battery level (100%), temperature (29°C), network, and date/time (2:10 PM, 9/9/2023).

Go to market place and search azure firewall. And click create button and give name.

The screenshot shows the Microsoft Azure portal interface for creating a new firewall. The page title is "Create a firewall - Microsoft Azure". The URL in the address bar is [https://portal.azure.com/?feature.msajs=true#view/Microsoft\\_Azure\\_HybridNetworking/CreateCloudNativeFirewallBl...](https://portal.azure.com/?feature.msajs=true#view/Microsoft_Azure_HybridNetworking/CreateCloudNativeFirewallBl...). The top navigation bar includes "Microsoft Azure", "Upgrade", a search bar, and user information for "bindubiju81@outlook.c... DEFAULT DIRECTORY".

The main content area is titled "Create a firewall". It contains several configuration sections:

- Availability zone:** A dropdown menu set to "None".
- Premium firewalls support additional capabilities, such as SSL termination and IDPS. Additional costs may apply.** [Learn more](#)
- Firewall SKU:** Radio buttons for "Basic", "Standard" (selected), and "Premium".
- Firewall management:** Radio buttons for "Use a Firewall Policy to manage this firewall" and "Use Firewall rules (classic) to manage this firewall" (selected).
- Choose a virtual network:** Radio buttons for "Create new" and "Use existing" (selected).
- Virtual network:** A dropdown menu showing "siteVnet1 (Siteoffice1)".
- Public IP address \***: A dropdown menu showing "(New) Azureip" with an "Add new" link below it.
- Forced tunneling:** A toggle switch set to "Disabled".

At the bottom of the form are buttons for "Review + create", "Previous", "Next : Tags >", and "Download a template for automation".

The taskbar at the bottom of the screen includes a search bar, pinned icons for File Explorer, Mail, and Edge, system status (100% battery, 29°C Partly sunny), and system info (ENG IN, 2:11 PM, 9/9/2023).

# Now IP save address and Review + create

The screenshot shows the Microsoft Azure portal interface for creating a firewall. The browser title bar reads "Create a firewall - Microsoft Azure". The URL is [https://portal.azure.com/?feature.msals=true#view/Microsoft\\_Azure\\_HybridNetworking/CreateCloudNativeFirewallBl...](https://portal.azure.com/?feature.msals=true#view/Microsoft_Azure_HybridNetworking/CreateCloudNativeFirewallBl...). The Microsoft Azure header includes "Microsoft Azure", "Upgrade", and a search bar. The user is signed in as "bindubiju81@outlook.c... DEFAULT DIRECTORY". The breadcrumb navigation shows "Home > siteVnet1 | Firewall > Create a firewall".

The main content area displays a green validation message: "Validation passed". Below it, there are three tabs: "Basics", "Tags", and "Review + create", with "Review + create" being the active tab.

**Summary**

**Basics**

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Azure Firewall Sku	Standard
Virtual network	siteVnet1
Address space	10.5.0.0/16
Firewall public IP address	Azureip
Availability zone	None

**Tags**

Resource type	Name	Value
No results		

At the bottom, there are buttons for "Create" (highlighted in blue), "Previous", "Next", and "Download a template for automation". The taskbar at the bottom of the screen shows the Windows Start button, a search bar with "Type here to search", and various pinned icons. The system tray shows battery level (100%), weather (29°C Partly sunny), and system status (ENG IN 2:40 PM 9/9/2023).

# Now initialization process start

The screenshot shows the Microsoft Azure portal interface. The user is in the 'Create a firewall' wizard, currently on the 'Review + create' step. The 'Basics' tab is selected, showing the following configuration details:

Setting	Value
Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Azure Firewall Sku	Standard
Virtual network	siteVnet1
Address space	10.5.0.0/16
Firewall public IP address	Azureip
Availability zone	None

The 'Tags' section shows a table with columns 'Resource type' and 'Name', which is currently empty ('No results').

At the bottom of the wizard, there are buttons for 'Create', 'Previous', and 'Next'. A link 'Download a template for automation' is also present.

On the right side of the screen, a 'Notifications' pane is open, displaying a single event: 'Initializing deployment...' with status 'Running'. The message indicates it is initializing a template deployment to resource group 'Siteoffice1'. The timestamp is 'a few seconds ago'.

The browser's address bar shows the URL: [https://portal.azure.com/?feature.msals=true#view/Microsoft\\_Azure\\_HybridNetworking/CreateCloudNativeFirewallBl...](https://portal.azure.com/?feature.msals=true#view/Microsoft_Azure_HybridNetworking/CreateCloudNativeFirewallBl...)

The system tray at the bottom right shows the date and time as '9/9/2023 2:40 PM', the location as 'IN', the weather as '29°C Partly sunny', and various system icons.

# Deployment progress is start and running

The screenshot shows the Microsoft Azure Firewall deployment details page for a resource named "Microsoft.AzureFirewall-20230909144038". The deployment status is shown as "Deployment is in progress". Key details include:

- Deployment name: Microsoft.AzureFirewall-20230909144038
- Subscription: Free Trial
- Resource group: Siteoffice1
- Start time: 9/9/2023, 2:41:14 PM
- Correlation ID: 1995476e-4361-4792-9ed6-8a3502be8b1c

The "Deployment details" section lists a single resource:

Resource	Type	Status	Operation details
Azureip	Public IP address	Created	<a href="#">Operation details</a>

On the right side of the page, there are promotional links for Microsoft Defender for Cloud, Microsoft tutorials, and Azure experts.

At the bottom of the browser window, the taskbar shows the Windows Start button, a search bar with the text "Type here to search", and various pinned icons for Microsoft Edge, File Explorer, Mail, and others. The system tray displays the date and time as 9/9/2023, 2:41 PM, and the weather as 29°C Partly sunny.

# Deployment is complete

The screenshot shows a Microsoft Azure browser-based interface for managing a firewall deployment. The main title is "Microsoft.AzureFirewall-20230909144038 | Overview". A prominent message says "Your deployment is complete". Deployment details include a name, subscription, and resource group. Below this, sections for "Deployment details" and "Next steps" are shown, along with a "Go to resource" button. To the right, there are promotional links for cost management, Microsoft Defender for Cloud, free tutorials, and expert support.

Microsoft.AzureFirewall-20230909144038 | Overview

Your deployment is complete

Deployment name : Microsoft.AzureFirewall-20230909144038  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/9/2023, 2:41:14 PM  
Correlation ID : 1995476e-4361-4792-9ed6-8a3502be8b1c

Deployment details

Next steps

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

29°C Partly sunny

ENG IN 2:43 PM 9/9/2023

# Click add NAT rule collection and set incoming bound.

The screenshot shows the Microsoft Azure portal interface for managing an Azure Firewall. The left sidebar navigation includes options like Overview, Activity log, Access control (IAM), Tags, Settings (DNS, Rules (classic), Public IP configuration, Learned SNAT IP Prefixes (preview), Threat intelligence, Firewall Manager, Properties, Locks), Monitoring (Metrics, Diagnostic settings), and a search bar at the bottom. The main content area is titled "Add NAT rule collection" under the "Azfirewall | Rules (classic)" section. It shows a table of rules with the following data:

Name	Protocol	Source type	Source	Destination Address	Destination Ports	Translated address	Translated port
IncomingHTTP	TCP	IP address	*	20.97.49.34	80	10.6.0.100	80
IncomingHTTPS	TCP	IP address	*	20.97.49.34	443	10.6.0.100	443
	0 selected	IP address	*, 192.168.10.1, 192...	192.168.10.0	8080	192.168.10.0	8080

The "Add" button is visible at the bottom of the rule table. The browser address bar shows the URL: https://portal.azure.com/?feature.msals=true#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c6... . The status bar at the bottom right shows the date and time: 9/9/2023 2:51 PM.

# Updating the rule

The screenshot shows the Microsoft Azure portal interface for managing an Azure Firewall. The browser address bar displays the URL <https://portal.azure.com/?feature.msajs=true#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c6...>. The title bar of the browser window says "Azfirewall - Microsoft Azure". The main content area is titled "Azfirewall | Rules (classic)" under the "Firewall" category. On the left, a sidebar menu lists various options: Overview, Activity log, Access control (IAM), Tags, Settings (with DNS, Rules (classic) selected), Public IP configuration, Learned SNAT IP Prefixes (preview), Threat intelligence, Firewall Manager, Properties, Locks, Monitoring (with Metrics selected), and Diagnostic settings. A status message "Updating firewall" is displayed in a box at the top right. Below it, a sub-status message "Updating firewall 'Azfirewall'" is shown. The main table area is titled "NAT rule collection" and shows a single row: "Priority" (No results). A note below the table states: "When a DNAT rule is matched, an implicit corresponding network rule to allow the translated traffic is added. [Learn more](#)". The bottom of the screen shows the Windows taskbar with the search bar containing "Type here to search", pinned icons for File Explorer, Mail, and Edge, battery level at 100%, temperature 29°C, weather Partly sunny, and system status ENG IN 2:51 PM 9/9/2023.

# Save the rule is successfully

The screenshot shows the Microsoft Azure portal interface for managing an Azfirewall. The left sidebar navigation includes options like Overview, Activity log, Access control (IAM), Tags, Settings, DNS, Rules (classic), Public IP configuration, Learned SNAT IP Prefixes (preview), Threat intelligence, Firewall Manager, Properties, Locks, Metrics, and Diagnostic settings. The main content area displays the 'Azfirewall | Rules (classic)' page under the 'Firewall' section. It shows a table with one rule: Priority 250, Name 'Natrule1', and Action 'Dnat'. A note below the table states: 'When a DNAT rule is matched, an implicit corresponding network rule to allow the translated traffic is added.' To the right, a 'Notifications' panel is open, showing a single event: 'Successfully updated firewall' with the message 'Successfully updated firewall 'Azfirewall''. The status bar at the bottom shows the date and time as 9/9/2023 2:53 PM.

Azfirewall - Microsoft Azure

https://portal.azure.com/?feature.msals=true#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c6...

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

bindubiju81@outlook.c... DEFAULT DIRECTORY

Home > Microsoft.AzureFirewall-20230909144038 | Overview > Azfirewall

Azfirewall | Rules (classic) Firewall

Search Refresh

Overview Activity log Access control (IAM) Tags

Settings

DNS

Rules (classic)

Public IP configuration Learned SNAT IP Prefixes (preview) Threat intelligence Firewall Manager Properties Locks

Monitoring

Metrics Diagnostic settings

NAT rule collection Network rule collection Application rule collection + Add NAT rule collection

Priority	Name	Action
250	Natrule1	Dnat

When a DNAT rule is matched, an implicit corresponding network rule to allow the translated traffic is added. [Learn more](#)

Notifications

More events in the activity log → Dismiss all

Successfully updated firewall Successfully updated firewall 'Azfirewall' a few seconds ago

Type here to search 29°C Partly sunny ENG IN 2:53 PM 9/9/2023

# Click add network rule collection and save the configuration

The screenshot shows the Microsoft Azure portal interface for managing network rule collections. The left sidebar navigation includes Firewall, Overview, Activity log, Access control (IAM), Tags, Settings (DNS, Rules (classic), Public IP configuration, Learned SNAT IP Prefixes (preview), Threat intelligence, Firewall Manager, Properties, Locks), Monitoring (Metrics, Diagnostic settings), and a search bar at the bottom.

The main content area is titled "Add network rule collection". It contains the following configuration:

- Name:** Networkallow1
- Priority:** 100
- Action:** Allow
- Rules:** IP Addresses

name	Protocol	Source type	Source	Destination type	Destination Addr...	Destination Ports
Incomingweb	TCP	IP address	*	IP address	10.6.0.100	80,443
	0 selected	IP address	* , 192.168.10.1, 192...	IP address	* , 192.168.10.1, 192...	8080, 8080-8090, *

**Service Tags:** A table with columns: name, Protocol, Source type, Source, Service Tags, Destination Ports. It shows one row with "0 selected" for all fields.

**FQDNs:** A table with columns: name, Protocol, Source type, Source, Destination FQDNs, Destination Ports. It shows one row with "time.windows.com" in the Destination FQDNs field and "8080, 8080-8090, \*" in the Destination Ports field.

A blue "Add" button is located at the bottom of the rule configuration section.

# Click the save button now updating

A screenshot of the Microsoft Azure portal showing the Azfirewall Rules (classic) page. The URL in the address bar is <https://portal.azure.com/?feature.msaljs=true#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c6...>. The top navigation bar shows 'Microsoft Azure' and 'Upgrade'. A search bar says 'Search resources, services, and docs (G+)'. The user's email 'bindubiju81@outlook.com' and 'DEFAULT DIRECTORY' are visible. The main title is 'Azfirewall | Rules (classic)'. On the left, a sidebar menu includes 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Settings' (with 'DNS' selected), 'Rules (classic)' (selected), 'Public IP configuration', 'Learned SNAT IP Prefixes (preview)', 'Threat intelligence', 'Firewall Manager', 'Properties', and 'Locks'. Under 'Monitoring', there are 'Metrics' and 'Diagnostic settings'. A status message 'Updating firewall' with the sub-message 'Updating firewall 'Azfirewall'' is displayed. The 'Network rule collection' tab is selected, showing a table with columns 'Priority', 'Name', 'Action', and 'Rules'. The table displays 'No results'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

# Now saved the configuration

The screenshot shows the Microsoft Azure portal interface for managing an Azure Firewall. The left sidebar navigation includes options like Overview, Activity log, Access control (IAM), Tags, Settings, DNS, Rules (classic), Public IP configuration, Learned SNAT IP Prefixes (preview), Threat intelligence, Firewall Manager, Properties, Locks, Metrics, and Diagnostic settings. The main content area displays the 'Azfirewall | Rules (classic)' page under the 'Firewall' section. It features a search bar, a refresh button, and tabs for NAT rule collection, Network rule collection (which is selected), and Application rule collection. A table lists a single rule: Networkallow1 with Priority 100 and Action Allow. To the right, a 'Notifications' panel shows a success message: 'Successfully updated firewall' with a timestamp 'a few seconds ago'. The bottom taskbar includes a search bar, pinned icons for File Explorer, Edge browser, Mail, OneDrive, Task View, and File History, battery status at 100%, weather information (29°C, Partly sunny), system volume, and system status (ENG IN, 3:00 PM, 9/9/2023).



Upgrade

Search resources, services, and docs (G+)

ys >

## /ork gateway

ate

d design guide to help you configure the various VPN gateway options. [Learn more](#)

: deployed resources and costs. Use resource groups like folders to organize and manage all

Free Trial



Siteoffice1 (derived from virtual network's resource group)

SOGate1



South Central US



VPN  ExpressRoute

Route-based  Policy-based

VpnGw2AZ



Generation2



ious

Next : Tags >

Download a template for automation

# Go to market place and click virtual network gateway

The screenshot shows a Microsoft Edge browser window displaying the Azure portal at <https://portal.azure.com/#create/Microsoft.VirtualNetworkGateway-ARM>. The title bar says "Create virtual network gateway". The address bar shows the URL. The top navigation bar includes "Microsoft Azure", a search bar, and user information for "bindubiju81@outlook.com". Below the navigation bar, the breadcrumb trail shows "Home > Virtual network gateways > Create virtual network gateway".

The main content area is titled "Create virtual network gateway". It has three tabs: "Basics" (selected), "Tags", and "Review + create". A note below the tabs states: "Azure has provided a planning and design guide to help you configure the various VPN gateway options. [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. [View details](#)

Subscription: Free Trial

Resource group: Headoffice (derived from virtual network's resource group)

**Instance details**

Name: HOGateway

Region: East US

Gateway type:  VPN  ExpressRoute

VPN type:  Route-based  Policy-based

SKU: VpnGw2AZ

Generation: Generation2

At the bottom, there are buttons for "Review + create" (highlighted in blue), "Previous", "Next : Tags >", and "Download a template for automation".

The taskbar at the bottom of the screen shows the Windows Start button, a search bar with "Type here to search", and pinned icons for File Explorer, Edge, Mail, and File History. The system tray shows battery level (100%), weather (29°C Partly sunny), and system status (ENG IN 7:02 PM 9/7/2023).

# Create a VNG and give a name HOvnet

A Create virtual network gateway - X + https://portal.azure.com/#create/Microsoft.VirtualNetworkGateway-ARM Microsoft Azure Search resources, services, and docs (G+) bindubiju81@outlook.com... DEFAULT DIRECTORY (BINDUBU...)

Home > Virtual network gateways > Create virtual network gateway

Virtual network \* HOvnet  
Create virtual network

Subnet \* GatewaySubnet (192.168.1.0/27)

Only virtual networks in the currently selected subscription and region are listed.

Public IP address

Public IP address \* Create new Use existing

Public IP address name \* HOGatelP1

Public IP address SKU Standard

Assignment Dynamic Static

Availability zone \* 1

Enable active-active mode \* Enabled Disabled

SECOND PUBLIC IP ADDRESS

SECOND PUBLIC IP ADDRESS \* Create new Use existing

Public IP address name \* HOGatelP2

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

Type here to search 29°C Partly sunny 100% ENG IN 7:03 PM 9/7/2023

# Review + create click button and check the configuration

The screenshot shows the Microsoft Azure portal interface for creating a virtual network gateway. The browser title is "Create virtual network gateway". The URL is <https://portal.azure.com/#create/Microsoft.VirtualNetworkGateway-ARM>. The user is signed in as "bindubiju81@outlook.com" in the "DEFAULT DIRECTORY (BINDUBU)".

The page displays a validation message: "Validation passed". Below this, there are three tabs: "Basics", "Tags", and "Review + create", with "Review + create" being the active tab.

The "Basics" section contains the following configuration details:

Subscription	Free Trial
Resource group	Headoffice
Name	HOGatway
Region	East US
SKU	VpnGw2AZ
Generation	Generation2
Virtual network	HOVnet
Subnet	GatewaySubnet (192.168.1.0/27)
Gateway type	Vpn
VPN type	RouteBased
Enable active-active mode	Enabled
Configure BGP	Disabled
Public IP address	HOGatelP1
SECOND PUBLIC IP ADDRESS	HOGatelP2

At the bottom of the page, there are buttons for "Create" (highlighted in blue), "Previous", and "Next". A link "Download a template for automation" is also present.

The taskbar at the bottom of the screen includes the Windows logo, a search bar with the placeholder "Type here to search", and several pinned icons for Microsoft Edge, File Explorer, Mail, and LinkedIn. The system tray shows the battery level at 100%, the weather as 29°C Partly sunny, and the date/time as 7:04 PM 9/7/2023.

# Click the create button and now initialization

Create virtual network gateway

Basics Tags Review + create

Subscription: Free Trial  
Resource group: Headoffice  
Name: HOGateway  
Region: East US  
SKU: VpnGw2AZ  
Generation: Generation2  
Virtual network: HOVnet  
Subnet: GatewaySubnet (192.168.1.0/27)  
Gateway type: Vpn  
VPN type: RouteBased  
Enable active-active mode: Enabled  
Configure BGP: Disabled  
Public IP address: HQGateIP1  
SECOND PUBLIC IP ADDRESS: HQGateIP2

Tags: None

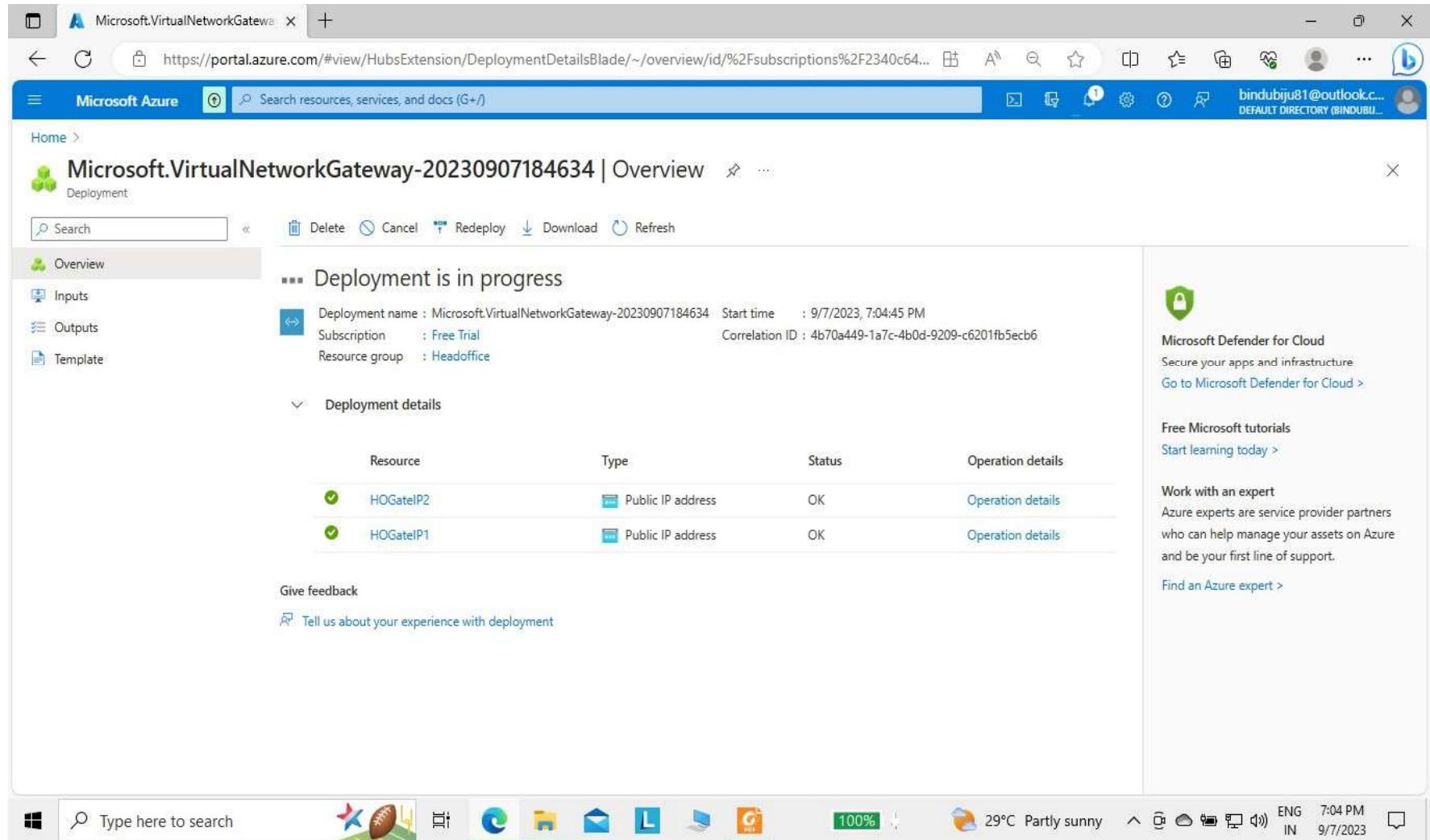
Creating... Initializing deployment...  
Initializing template deployment to resource group 'Headoffice'.

Create Previous Next Download a template for automation

Type here to search

29°C Partly sunny 7:04 PM 9/7/2023 ENG IN

# Deployment progress is running



The screenshot shows the Microsoft Azure portal interface. The title bar indicates the user is viewing the 'Microsoft.VirtualNetworkGateway' resource. The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...>. The top navigation bar includes the Microsoft Azure logo, a search bar, and a user profile for 'bindubiju81@outlook.c...'. Below the header, the main content area displays the 'Microsoft.VirtualNetworkGateway-20230907184634 | Overview' page. The left sidebar lists 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content shows a summary of the deployment: Deployment name: Microsoft.VirtualNetworkGateway-20230907184634, Start time: 9/7/2023, 7:04:45 PM, Subscription: Free Trial, Correlation ID: 4b70a449-1a7c-4b0d-9209-c6201fb5ecb6, Resource group: Headoffice. A section titled 'Deployment details' lists two resources: HOGatelP2 (Public IP address, OK) and HOGatelP1 (Public IP address, OK). To the right, there are promotional links for Microsoft Defender for Cloud, Microsoft tutorials, and Azure experts.

Microsoft.VirtualNetworkGateway-20230907184634 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : Microsoft.VirtualNetworkGateway-20230907184634 Start time : 9/7/2023, 7:04:45 PM  
Subscription : Free Trial Correlation ID : 4b70a449-1a7c-4b0d-9209-c6201fb5ecb6  
Resource group : Headoffice

Deployment details

Resource	Type	Status	Operation details
HOGatelP2	Public IP address	OK	Operation details
HOGatelP1	Public IP address	OK	Operation details

Give feedback

Tell us about your experience with deployment

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

Type here to search

100%

29°C Partly sunny

ENG IN 7:04 PM 9/7/2023

# Deployment is complete

The screenshot shows the Microsoft Azure portal interface with the following details:

- Page Title:** HOGatway - Microsoft Azure
- URL:** https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839...
- User Information:** bindubiju81@outlook.com (DEFAULT DIRECTORY (BINDUBU...))
- Breadcrumbs:** Home > Virtual network gateways >
- Resource Name:** HOGatway (Virtual network gateway)
- Overview Section:**
  - Resource group (move) : Headoffice
  - Location : East US
  - Subscription (move) : Free Trial
  - Subscription ID : 2340c646-6a78-4bb1-9839-f982498e9665
  - SKU
  - Gateway type
  - VPN type
  - Virtual network
  - First public
- Tags:** Tags (edit) : Add tags
- Health check:** Perform a quick health check to detect possible gateway issues. Buttons: Go to Resource health, View gui, View do.
- Monitoring:** Show data for last 1 hour, 6 hours, 12 hours, 1 day, 7 days, 30 days.
  - Total tunnel ingress:** 1008, 908, 808
  - Total tunnel egress:** 1008, 908, 808
- Notifications:** Deployment succeeded (Deployment 'Microsoft.VirtualNetworkGateway-20230907184634' to resource group 'Headoffice' was successful). Buttons: Go to resource, Pin to dashboard. Last updated 15 minutes ago.
- Bottom Navigation:** https://portal.azure.com/#blade/Microsoft\_Azure\_ActivityLog/ActivityLogBlade/queryInputs/%7B"user%3A%40me%7D"
- Taskbar:** Type here to search, Start button, Task view, Edge browser icon, Mail icon, LinkedIn icon, File Explorer icon, 100% zoom, Weather (29°C Partly sunny), System status (ENG IN 7:42 PM 9/7/2023).

# Repeat the same procedure and create the another virtual network gateway

The screenshot shows the Microsoft Azure portal interface for creating a virtual network gateway. The browser title bar reads "Create virtual network gateway - https://portal.azure.com/?feature.msaljs=true#create/Microsoft.VirtualNetworkGateway-ARM". The page header includes the Microsoft Azure logo, an "Upgrade" button, a search bar, and a user profile for "bindubiju81@outlook.com". The main navigation bar shows "Home > Virtual network gateways > Create virtual network gateway". The "Create virtual network gateway" page has three tabs: "Basics" (selected), "Tags", and "Review + create".  
**Project details:**  
Subscription: Free Trial  
Resource group: Siteoffice1 (derived from virtual network's resource group)  
**Instance details:**  
Name: SOGate1  
Region: South Central US  
Gateway type: VPN (selected)  
VPN type: Route-based (selected)  
SKU: VpnGw2AZ  
Generation: Generation2  
**Buttons at the bottom:**  
Review + create, Previous, Next: Tags >, Download a template for automation  
**Taskbar at the bottom:**  
Windows Start button, Taskbar search bar (Type here to search), File Explorer, Mail, LinkedIn, Edge browser, Paint 3D, 100% zoom, 29°C weather, battery icon, ENG IN language, 3:06 PM, 9/9/2023, notification icon.

# Set the configuration

Screenshot of the Microsoft Azure portal showing the "Create virtual network gateway" configuration page.

The URL in the browser is <https://portal.azure.com/?feature.msals=true#create/Microsoft.VirtualNetworkGateway-ARM>.

The configuration fields for the first public IP address (SG1) are:

- Public IP address name: SG1
- Public IP address SKU: Standard
- Assignment: Static (radio button selected)
- Availability zone: 1
- Enable active-active mode: Enabled (radio button selected)

The configuration fields for the second public IP address (SG2) are:

- SECOND PUBLIC IP ADDRESS:
  - SECOND PUBLIC IP ADDRESS\*: Create new (radio button selected)
- Public IP address name: SG2
- Public IP address SKU: Standard
- Availability zone: 1
- Configure BGP: Disabled (radio button selected)

A note at the bottom states: "Azure recommends using a validated VPN device with your virtual network gateway. To view a list of validated devices and instructions for configuration, refer to Azure's [documentation](#) regarding validated VPN devices."

At the bottom of the page are buttons for "Review + create", "Previous", "Next : Tags >", and "Download a template for automation".

The taskbar at the bottom of the screen shows the following icons and information:

- Type here to search (Windows Start button)
- File Explorer icon
- Edge browser icon
- Email icon
- OneDrive icon
- PowerShell icon
- Task View icon
- 100% zoom
- 29°C weather
- Volume icon
- Network icon
- ENG IN language
- 3:07 PM 9/9/2023 date and time
- Notification icon

# Review + create click button and check the configuration

The screenshot shows the Microsoft Azure portal interface for creating a virtual network gateway. The browser address bar displays the URL: <https://portal.azure.com/?feature.msaljs=true#create/Microsoft.VirtualNetworkGateway-ARM>. The page title is "Create virtual network gateway". The top navigation bar includes "Microsoft Azure", "Upgrade", and a search bar. The user's email, "bindubiju81@outlook.com", is visible in the top right corner.

The main content area shows a green validation message: "Validation passed". Below this, there are three tabs: "Basics", "Tags", and "Review + create", with "Review + create" being the active tab. The "Basics" section displays the following configuration details:

Setting	Value
Subscription	Free Trial
Resource group	Siteoffice1
Name	SOGate1
Region	South Central US
SKU	VpnGw2AZ
Generation	Generation2
Virtual network	siteVnet1
Subnet	GatewaySubnet (10.5.0.0/24)
Gateway type	Vpn
VPN type	RouteBased
Enable active-active mode	Enabled
Configure BGP	Disabled
Public IP address	SG1
SECOND PUBLIC IP ADDRESS	SG2

At the bottom of the page, there are "Create" and "Cancel" buttons, along with links for "Previous" and "Next". A note says "Download a template for automation". The Windows taskbar at the bottom shows the search bar, pinned icons for File Explorer, Mail, and Edge, and system status indicators like battery level, temperature (29°C), and date/time (3:08 PM, 9/9/2023).

Now the initialization process is start

Create virtual network gateway - + https://portal.azure.com/?feature.msaljs=true#create/Microsoft.VirtualNetworkGateway-ARM Microsoft Azure Upgrade Search resources, services, and docs (G+) bindubiju81@outlook.com DEFAULT DIRECTORY

Home > Virtual network gateways >

## Create virtual network gateway

Basics Tags Review + create

Basics

Subscription	Free Trial
Resource group	Siteoffice1
Name	SOGate1
Region	South Central US
SKU	VpnGw2AZ
Generation	Generation2
Virtual network	siteVnet1
Subnet	GatewaySubnet (10.5.0.0/24)
Gateway type	Vpn
VPN type	RouteBased
Enable active-active mode	Enabled
Configure BGP	Disabled
Public IP address	SG1
SECOND PUBLIC IP ADDRESS	SG2

Tags

None

Create Previous Next Download a template for automation

Type here to search ENG 3:09 PM 9/9/2023 29°C Partly sunny IN

Initializing deployment...  
Initializing template deployment to resource group 'Siteoffice1'.

# Deployment the progress start

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the user is on the Microsoft VirtualNetworkGateway resource overview page. The URL in the address bar is <https://portal.azure.com/?feature.msaljs=true#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubs...>. The top navigation bar includes the Microsoft Azure logo, an Upgrade button, a search bar, and a user profile for bindubiju81@outlook.com.

The main content area displays the deployment details for "Microsoft.VirtualNetworkGateway-20230909150508". The status is shown as "Deployment is in progress". Key deployment information includes:

- Deployment name: Microsoft.VirtualNetworkGateway-20230909150508
- Start time: 9/9/2023, 3:09:18 PM
- Subscription: Free Trial
- Correlation ID: 0ee80b0d-e285-4b97-a8e1-5aeb1f775dc6
- Resource group: Siteoffice1

A "Deployment details" section lists two resources:

Resource	Type	Status	Operation details
SG1	Public IP address	Created	<a href="#">Operation details</a>
SG2	Public IP address	Created	<a href="#">Operation details</a>

On the right side of the portal, there are promotional banners for Microsoft Defender for Cloud, free Microsoft tutorials, and working with Azure experts.

The taskbar at the bottom of the screen shows various pinned icons and system status indicators, including the date (9/9/2023), time (3:09 PM), and battery level (ENG IN).

# Now deployment is complete

The screenshot shows the Microsoft Azure portal interface with the title "Microsoft.VirtualNetworkGateway-20230909150508 | Overview". The main content area displays a green checkmark indicating "Your deployment is complete". Deployment details are listed: Deployment name: Microsoft.VirtualNetworkGateway-20230909150508, Start time: 9/9/2023, 3:09:18 PM, Subscription: Free Trial, Correlation ID: 0ee80b0d-e285-4b97-a8e1-5aeb1f775dc6, Resource group: Siteoffice1. Below this, there are sections for "Deployment details" and "Next steps", with a prominent blue "Go to resource" button. To the right, there are promotional cards for "Cost management", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

Microsoft.VirtualNetworkGateway-20230909150508 | Overview

Your deployment is complete

Deployment name : Microsoft.VirtualNetworkGateway-20230909150508 Start time : 9/9/2023, 3:09:18 PM  
Subscription : Free Trial Correlation ID : 0ee80b0d-e285-4b97-a8e1-5aeb1f775dc6  
Resource group : Siteoffice1

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment.

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100% 29°C ENG IN 3:55 PM 9/9/2023

# Click the another virtual network give name the HOVnet

The screenshot shows the 'Create virtual network' wizard in the Microsoft Azure portal. The current step is 'Project details'. The 'Subscription' dropdown is set to 'Free Trial'. The 'Resource group' dropdown is set to '(New) Headoffice', with 'Create new' as an option. The 'Virtual network name' field contains 'HOVnet'. The 'Region' dropdown is set to '(US) East US'. Below the region dropdown is a link 'Deploy to an edge zone'. At the bottom of the page are buttons for 'Previous', 'Next', and 'Review + create'.

Create virtual network - Microsoft Azure

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

Microsoft Azure bindubiju81@outlook.com DEFAULT DIRECTORY (BINDUBU)

Home > Virtual networks >

Create virtual network

Basics Security IP addresses Tags Review + create

Project details

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

Subscription \* Free Trial

Resource group \* (New) Headoffice Create new

Virtual network name \* HOVnet

Region (US) East US Deploy to an edge zone

Previous Next Review + create Give feedback

Type here to search 29°C Partly sunny ENG IN 6:37 PM 9/7/2023

# Set private IP address

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The browser title bar reads "Create virtual network - Microsoft Azure". The URL in the address bar is "https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM". The Azure navigation bar includes "Microsoft Azure", a search bar, and a user account section with the email "bindubiju81@outlook.com" and "DEFAULT DIRECTORY (BINDUBU...)".

The main page title is "Create virtual network". Below it, there are tabs: Basics, Security, **IP addresses**, Tags, and Review + create. The IP addresses tab is selected.

The IP addresses section is titled "Configure your virtual network address space with the IPv4 and IPv6 addresses and subnets you need. [Learn more](#)". It provides instructions to define the address space of the virtual network with one or more IPv4 or IPv6 address ranges. It also mentions creating subnets to segment the virtual network address space into smaller ranges for use by your applications. When resources are deployed into a subnet, Azure assigns the resource an IP address from the subnet. A link to "Learn more" is provided.

The "Add IPv4 address space" section shows an expanded entry for "192.168.0.0/16". The IP range is listed as "192.168.0.0 /16 (65,536 addresses)". Below this, a link "192.168.0.0 - 192.168.255.255 (65536 addresses)" is shown. There is a button "+ Add a subnet".

Subnets	IP address range	Size	NAT gateway
default	192.168.0.0 - 192.168.0.255	/24 (256 addresses)	-

At the bottom of the IP addresses section, there are buttons for "Previous", "Next", and "Review + create". The "Review + create" button is highlighted in blue. To the right, there is a "Give feedback" link.

The taskbar at the bottom of the screen includes icons for Start, Task View, File Explorer, Edge browser, Mail, OneDrive, Google Sheets, and a battery indicator. The system tray shows the date and time as "6:38 PM 9/7/2023", the weather as "29°C Partly sunny", and system status indicators.

# Review + create the click button and check the configuration

The screenshot shows the Microsoft Azure portal interface for creating a virtual network. The browser address bar displays the URL <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The page title is "Create virtual network - Microsoft Azure". The top navigation bar includes links for Home, Virtual networks, and Create virtual network. The main content area is titled "Create virtual network" and shows the "Review + create" tab selected. Below this, there are three sections: Basics, Security, and IP addresses, each containing configuration details. At the bottom, there are "Previous", "Next", and "Create" buttons, along with a "Give feedback" link.

**Basics**

Subscription	Free Trial
Resource Group	Headoffice
Name	HOVnet
Region	East US

**Security**

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

**IP addresses**

Address space	192.168.0.0/16 (65536 addresses)
Subnet	default (192.168.0.0/24) (256 addresses)

Buttons at the bottom: Previous, Next, **Create**, Give feedback.

System tray icons: Windows logo, search bar, taskbar icons (calculator, edge browser, mail, file explorer, OneDrive), battery level (100%), weather (29°C Partly sunny), system status (ENG IN), date and time (6:39 PM 9/7/2023).

# Hovnet initialization process is start

The screenshot shows a Microsoft Azure portal window titled "Create virtual network - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#create/Microsoft.VirtualNetwork-ARM>. The page is titled "Create virtual network". A progress bar at the top indicates "Deploying...". A message box in the top right corner says "Initializing deployment..." and "Initializing template deployment to resource group 'Headoffice'". The "Review + create" tab is selected. The "Basics" section shows the following details:

Subscription	Free Trial
Resource Group	Headoffice
Name	HOVnet
Region	East US

The "Security" section shows:

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

The "IP addresses" section shows:

Address space	192.168.0.0/16 (65536 addresses)
---------------	----------------------------------

At the bottom, there are "Previous", "Next", and "Create" buttons, and a "Give feedback" link. The taskbar at the bottom of the screen shows various pinned icons and system status.

# Deployment progress is start

The screenshot shows the Microsoft Azure portal interface. The title bar reads "HOVnet - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...>. The top navigation bar includes "Microsoft Azure", a search bar, and user information "bindubiju81@outlook.com DEFAULT DIRECTORY (BINDUBU...)".

The main content area is titled "HOVnet | Overview" and shows a deployment named "HOVnet". The deployment status is "Deployment is in progress". Deployment details include:

- Deployment name: HOVnet
- Subscription: Free Trial
- Resource group: Headoffice

The deployment status section shows the start time as 9/7/2023, 6:39:52 PM and the Correlation ID as 07fce7c6-f9c6-453f-b6fb-14a2d6ca3f49.

A sidebar on the right provides links to Microsoft Defender for Cloud, free tutorials, and expert support.

The taskbar at the bottom includes icons for search, file explorer, mail, and browser, along with system status indicators like battery level, network, and weather (29°C Partly sunny). The date and time are shown as 9/7/2023 6:40 PM.

# Deployment is complete

A HOVnet - Microsoft Azure

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2340c64...

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

bindubiju81@outlook.c...  
DEFAULT DIRECTORY (BINDUBI...)

Home > HOVnet | Overview Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : HOVnet  
Subscription : Free Trial  
Resource group : Headoffice

Start time : 9/7/2023, 6:39:52 PM  
Correlation ID : 07cf7c6-f9c6-453f-b6fb-14a2d6ca3f49

Inputs Outputs Template

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials  
Start learning today >

Work with an expert  
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

29°C Partly sunny ENG IN 6:40 PM 9/7/2023

# Go to Hovnet and scroll down click subnet button and add subnet

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes links such as Home, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets (which is currently selected), Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints. The main content area displays the 'HOVnet | Subnets' page under the 'Virtual network' section. It shows a table with one row: Name (default), IPv4 (192.168.0.0/24), IPv6 (-), and Available IPs (251). A 'Subnet' button is visible above the table. On the right, a modal window titled 'Add subnet' is open, showing a progress bar '... Adding subnet' and the message 'Adding subnet 'GatewaySubnet' to virtual network 'HOVnet''. The 'Name' field is set to 'GatewaySubnet'. The 'Subnet address range \*' field contains '192.168.1.0/27', which is described as '192.168.1.0 - 192.168.1.31 (27 + 5 Azure reserved addresses)'. There is also an unchecked checkbox for 'Add IPv6 address space'. Below these fields are sections for 'NAT gateway' (set to 'None'), 'Network security group' (set to 'None'), and 'Route table' (set to 'None'). Under the 'SERVICE ENDPOINTS' section, there is a note about creating service endpoint policies to allow traffic to specific Azure resources. At the bottom of the modal are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link. The status bar at the bottom of the screen shows the search bar, taskbar icons (File Explorer, Mail, Edge, etc.), battery level (100%), weather (29°C Partly sunny), system status (ENG IN), and the date/time (6:42 PM 9/7/2023).

# Give a name Gateway subnet and click save button and now subnet saved

The screenshot shows the Microsoft Azure portal interface for managing a virtual network named 'HOVnet'. The left sidebar navigation includes 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings' (with 'Address space' and 'Connected devices' options), 'Subnets' (selected), 'Bastion', 'DDoS protection', 'Firewall', 'Microsoft Defender for Cloud', 'Network manager', 'DNS servers', 'Peerings', and 'Service endpoints'. The main content area displays the 'Subnets' table with two entries:

Name	IPv4	IPv6	Available IPs
default	192.168.0.0/24	-	251
GatewaySubnet	192.168.1.0/27	-	availability dependent on ...

A notification on the right side of the screen indicates: 'Successfully added subnet' and 'Successfully added subnet 'Gateway/Subnet' to virtual network 'HOVnet''. The status message also includes 'a few seconds ago'.

# Repeat same previous procedure and create a new subnet and give a name HOMGM

The screenshot shows the Microsoft Azure portal interface for managing subnets in a virtual network. On the left, there is a sidebar with various navigation options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, and Subnets (which is currently selected). The main area displays the 'HOVnet | Subnets' page, showing a list of existing subnets: 'default' (IPv4: 192.168.0.0/24, Available IPs: 251) and 'GatewaySubnet' (IPv4: 192.168.1.0/27, Availability: dependent). A modal dialog titled 'Add subnet' is open on the right, prompting for a new subnet configuration. The 'Name' field is set to 'HOMGM'. The 'Subnet address range' field is set to '192.168.2.0/27', which is highlighted with a blue selection bar. Other fields include 'Add IPv6 address space' (unchecked), 'NAT gateway' (set to 'None'), 'Network security group' (set to 'None'), and 'Route table' (set to 'None'). Under 'SERVICE ENDPOINTS', it says 'Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints.' A dropdown menu for 'Services' shows '0 selected'. At the bottom of the dialog are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link.

# Click save button and save the subnet

The screenshot shows the Microsoft Azure portal interface for managing a virtual network. The left sidebar navigation bar includes links for Home, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets (which is the active tab), Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints. The main content area displays the 'HOVnet | Subnets' page, showing a table of existing subnets: 'default' (IPv4: 192.168.0.0/24, Available IPs: 251) and 'GatewaySubnet' (IPv4: 192.168.1.0/27, Available IPs: availability dependent). A modal dialog box titled 'Add subnet' is open on the right, containing fields for Name (HOMGM), Subnet address range (192.168.2.0/27), and other options like Add IPv6 address space (unchecked), NAT gateway (None), Network security group (None), Route table (None), and Service endpoints (0 selected). The status bar at the bottom shows system information including battery level (100%), weather (29°C Partly sunny), and system time (6:44 PM 9/7/2023).

Add subnet

... Adding subnet  
Adding subnet 'HOMGM' to virtual network 'HOVnet'.

Name *	Subnet address range *	Route table
HOMGM	192.168.2.0/27	None

Name \*

Subnet address range \*

192.168.2.0/27

Add IPv6 address space

NAT gateway

None

Network security group

None

Route table

None

SERVICE ENDPOINTS

Create service endpoint policies to allow traffic to specific azure resources from your virtual network [Learn more](#)

Services

0 selected

Save Cancel Give feedback

Type here to search

29°C Partly sunny

100%

ENG IN

6:44 PM 9/7/2023

# Now subnet is saved

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a user profile. The main content area displays the 'HOVnet | Subnets' page under the 'Virtual network' category. On the left, a sidebar lists various network-related services: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets (which is selected and highlighted in grey), Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, and Peerings. The main panel shows a table of subnets with columns: Name, IPv4, IPv6, Available IPs, and Delete. Three subnets are listed: 'default' (IPv4: 192.168.0.0/24, Available IPs: 251), 'GatewaySubnet' (IPv4: 192.168.1.0/27, Available IPs: dependent on gateway), and 'HOMGM' (IPv4: 192.168.2.0/27, Available IPs: 27). Below the table is a search bar labeled 'Search subnets'. To the right, a 'Notifications' pane is open, showing a single event: 'Successfully added subnet' with the message 'Successfully added subnet 'HOMGM' to virtual network 'HOVnet''. The timestamp indicates it happened 'a few seconds ago'. The bottom of the screen shows the Windows taskbar with the Start button, a search bar, pinned icons for File Explorer, Edge, Mail, and LinkedIn, battery status (100%), system temperature (29°C), weather (Partly sunny), and system information (ENG IN, 6:45 PM, 9/7/2023).

Name	IPv4	IPv6	Available IPs	Delete
default	192.168.0.0/24	-	251	-
GatewaySubnet	192.168.1.0/27	-	availability dependent on ...	-
HOMGM	192.168.2.0/27	-	27	-

Notifications

More events in the activity log → Dismiss all

Successfully added subnet

Successfully added subnet 'HOMGM' to virtual network 'HOVnet'. a few seconds ago

https://portal.azure.com/#blade/Microsoft\_Azure\_ActivityLog/ActivityLogBlade/queryInputs/%7B"user">%3A"%40me%7D

# Go to market place and click connection button create a connection

The screenshot shows the Microsoft Azure portal interface for creating a connection. The title bar indicates the page is 'Create connection - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/?feature.msaljs=true#create/Microsoft.Connection-ARM>. The top navigation bar includes 'Microsoft Azure', 'Upgrade', a search bar, and user information.

The main content area is titled 'Create connection' and shows the 'Basics' tab selected. The page instructions state: 'Create a secure connection to your virtual network by using VPN Gateway or ExpressRoute.' Below this are links to 'Learn more about VPN Gateway' and 'Learn more about ExpressRoute'.

**Project details**

- Subscription \*: Free Trial
- Resource group \*: Siteoffice1
- Create new

**Instance details**

- Connection type \*: VNet-to-VNet
- Establish bidirectional connectivity:
- First connection name \*: siteVnet1-to-HOGatway
- Second connection name \*: SOGate1-to-siteVnet1
- Region \*: South Central US

At the bottom, there are buttons for 'Review + create', 'Previous', 'Next: Settings >', and a link to 'Download a template for automation'. The status bar at the bottom right shows system information: 100%, 29°C, ENG IN, 6:28 PM, 9/9/2023, and a battery icon.

# Choose the source virtual network gateway and destination virtual network gateway

The screenshot shows the 'Create connection' page in the Microsoft Azure portal. The URL in the browser is <https://portal.azure.com/?feature.msaljs=true#create/Microsoft.Connection-ARM>. The page title is 'Create connection - Microsoft Azure'. The top navigation bar includes 'Microsoft Azure', 'Upgrade', and a search bar. The user's email 'bindubiju81@outlook.com' is visible in the top right.

The main content area is titled 'Create connection'. It displays the following configuration fields:

- First virtual network gateway \*: SOGate1
- Second virtual network gateway \*: HOGatway
- Shared key (PSK) \*: [REDACTED]
- IKE Protocol: IKEv2 (selected)
- Use Azure Private IP Address:
- Enable BGP:
- FastPath:
- IPsec / IKE policy: Default (selected)
- Use policy based traffic selector: Enable (selected)
- DPD timeout in seconds \*: 45
- Connection Mode: Default (selected)

Below these fields is a section titled 'NAT Rules Associations' which is currently empty.

At the bottom of the page are navigation buttons: 'Review + create' (highlighted in blue), 'Previous', 'Next : Tags >', and 'Download a template for automation'. The status bar at the bottom of the browser window shows the date and time as '9/9/2023 6:25 PM'.

# Review + create button and check the configuration

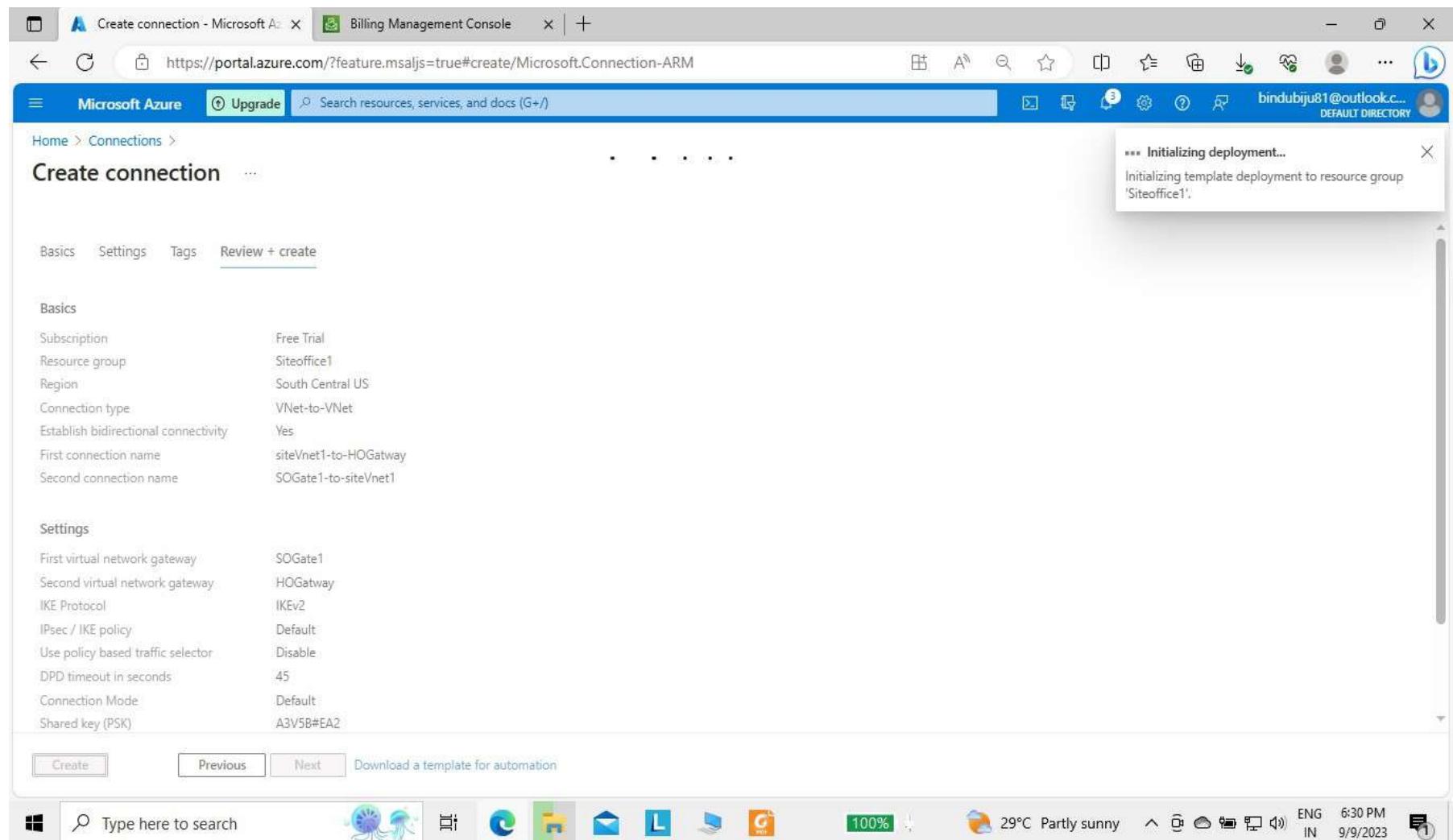
The screenshot shows the Microsoft Azure portal interface for creating a connection. The browser tab is titled "Create connection - Microsoft Azure". The URL in the address bar is <https://portal.azure.com/?feature.msaljs=true#create/Microsoft.Connection-ARM>. The Azure logo and "Microsoft Azure" text are visible in the top left. A blue header bar contains the text "Microsoft Azure", an "Upgrade" button, a search bar with placeholder "Search resources, services, and docs (G+)", and a user profile icon for "bindubiju81@outlook.com" with "DEFAULT DIRECTORY". Below the header, the breadcrumb navigation shows "Home > Connections > Create connection". The main content area has a green banner at the top stating "Validation passed". Below this, there are tabs for "Basics", "Settings", "Tags", and "Review + create", with "Review + create" being the active tab. The "Basics" section displays the following configuration details:

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Connection type	VNet-to-VNet
Establish bidirectional connectivity	Yes
First connection name	siteVnet1-to-HOGatway
Second connection name	SOGate1-to-siteVnet1

The "Settings" section displays the following configuration details:

First virtual network gateway	SOGate1
Second virtual network gateway	HOGatway
IKE Protocol	IKEv2
IPsec / IKE policy	Default
Use policy based traffic selector	Disable
DPD timeout in seconds	45

# Click the create button. Now initialization process is start



The screenshot shows the Microsoft Azure portal interface for creating a connection. The URL in the address bar is <https://portal.azure.com/?feature.msajs=true#create/Microsoft.Connection-ARM>. The page title is "Create connection".

The "Review + create" tab is selected. The "Basics" section contains the following configuration:

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Connection type	VNet-to-VNet
Establish bidirectional connectivity	Yes
First connection name	siteVnet1-to-HOGatway
Second connection name	SOGate1-to-siteVnet1

The "Settings" section contains the following configuration:

First virtual network gateway	SOGate1
Second virtual network gateway	HOGatway
IKE Protocol	IKEv2
IPsec / IKE policy	Default
Use policy based traffic selector	Disable
DPD timeout in seconds	45
Connection Mode	Default
Shared key (PSK)	A3V5B#EA2

At the bottom, there are "Create", "Previous", and "Next" buttons, along with a link to "Download a template for automation". A tooltip message "Initializing deployment... Initializing template deployment to resource group 'Siteoffice1'." is displayed in the top right corner.

The taskbar at the bottom shows the Windows logo, a search bar with the text "Type here to search", and several pinned icons for Microsoft Edge, File Explorer, Mail, LinkedIn, and OneDrive. The system tray shows the date (9/9/2023), time (6:30 PM), battery level (ENG IN), and weather (29°C Partly sunny).

# Deployment progress is start and Deployment is complete in few seconds

NoMarketplace-20230909172259 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : NoMarketplace-20230909172259  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/9/2023, 6:30:26 PM  
Correlation ID : 583391e3-a9db-4788-948d-4ddee317d28d

Deployment details

Resource	Type	Status	Operation details
siteVnet1-to-HOGateway	Connection	Created	Operation details
SOGate1-to-siteVnet1	Connection	Created	Operation details

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Work with an expert  
Azure experts are service provider partners  
who can help manage your assets on Azure  
and be your first line of support.  
[Find an Azure expert >](#)

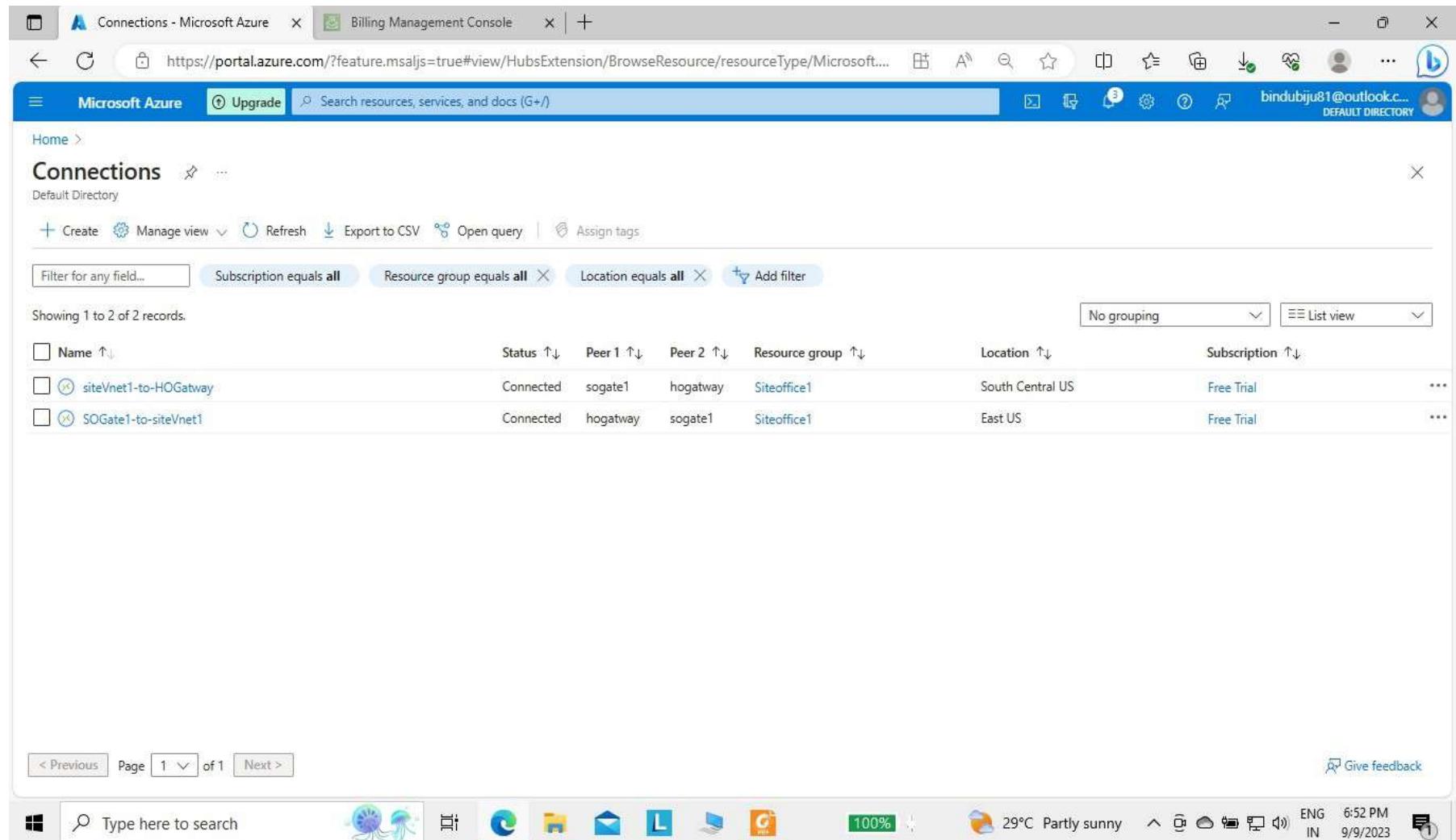
Type here to search

100%

29°C Partly sunny

ENG IN 6:31 PM 9/9/2023

# After deployment is complete and check connection status after 10 to 15 minutes



The screenshot shows the Microsoft Azure Connections page. The URL in the browser is <https://portal.azure.com/?feature.msajs=true#view/HubsExtension/BrowseResource/resourceType/Microsoft...>. The page title is "Connections - Microsoft Azure". The top navigation bar includes "Microsoft Azure", "Upgrade", and a search bar. The user is signed in as "bindubiju81@outlook.com" with "DEFAULT DIRECTORY".

The main content area displays the "Connections" list. It shows two records:

Name	Status	Peer 1	Peer 2	Resource group	Location	Subscription
siteVnet1-to-HOGatway	Connected	sogate1	hogatway	Siteoffice1	South Central US	Free Trial
SOGate1-to-siteVnet1	Connected	hogatway	sogate1	Siteoffice1	East US	Free Trial

Below the table, there are pagination controls: "< Previous", "Page 1 of 1", and "Next >". On the right side of the table, there are three vertical ellipsis buttons for each row. The bottom of the screen shows the Windows taskbar with the Start button, a search bar containing "Type here to search", and various pinned icons.

# Go to virtual machine and create a virtual machine and give a name HeadVM

The screenshot shows the Microsoft Azure 'Create a virtual machine' wizard. The browser title bar reads 'Create a virtual machine - Microsoft Azure'. The address bar shows the URL 'https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM'. The top navigation bar includes 'Microsoft Azure', a search bar, and user information 'bindubiju81@outlook.com'.

The main page title is 'Create a virtual machine'. Below it, a navigation bar lists tabs: Basics, Disks, Networking, Management, Monitoring, Advanced, Tags, and Review + create. The 'Basics' tab is selected.

The main content area starts with a brief description: '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.' A 'Learn more' link is provided.

A warning message in a blue box states: '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 \*: Free Trial

Resource group \*: Headoffice

**Instance details**

Virtual machine name \*: HeadVM

Region \*: (US) East US

Availability options: No infrastructure redundancy required

At the bottom, there are buttons for 'Review + create' (highlighted in blue), '< Previous', 'Next : Disks >', and 'Give feedback'.

The taskbar at the bottom of the screen includes icons for File Explorer, Edge, Mail, and Task View, along with system status indicators for battery level, network, and weather (29°C Partly sunny). The date and time are shown as 11:04 AM on 9/8/2023.

# Set configuration and click next button

The screenshot shows the Microsoft Azure portal interface for creating a new virtual machine. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The page title is "Create a virtual machine".

Key configuration settings visible on the screen include:

- Run with Azure Spot discount:** A checkbox is present but not selected.
- Size:** Standard\_B1s - 1 vcpu, 1 GiB memory (₹802.62/month) (free services eligible). A "See all sizes" link is available.
- Administrator account:** Username: Admind, Password: (redacted), Confirm password: (redacted).
- Inbound port rules:** Public inbound ports setting is set to "Allow selected ports".

At the bottom of the form, there are buttons for "Review + create" and "Next : Disks >". The taskbar at the bottom of the screen shows various pinned icons and system status information like battery level, temperature (29°C), and network connection.

# Disk page set configuration

The screenshot shows the Microsoft Azure 'Create a virtual machine' wizard on the 'Disks' step. The URL in the browser is <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The page title is 'Create a virtual machine'.

**Basics**   **Disks**   **Networking**   **Management**   **Monitoring**   **Advanced**   **Tags**   **Review + create**

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

**VM disk encryption**  
Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by default when persisting it to the cloud.

Encryption at host (?)  
i Encryption at host is not registered for the selected subscription.  
[Learn more about enabling this feature](#)

**OS disk**

OS disk type \* (?)

Delete with VM

Key management (?)

Enable Ultra Disk compatibility   
Ultra disk is not supported with selected security type.

**Data disks for HeadVM**

go.microsoft.com/fwlink/?LinkId=2012733

Windows Start button   Type here to search   Icons for File Explorer, Mail, Edge, and others   Battery level 100%   Temperature 29°C, Partly sunny   Network ENG IN   Time 11:08 AM 9/8/2023

# On next page networking and set the configuration

The screenshot shows the 'Create a virtual machine' wizard on the 'Networking' tab. The URL in the browser is <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The page title is 'Create a virtual machine - Microsoft Azure'. The 'Networking' tab is selected. A sub-instruction at the top says: 'Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.' Below this, there are fields for 'Virtual network' (set to 'HOVnet'), 'Subnet' (set to 'default (192.168.0.0/24)'), 'Public IP' (set to '(new) HeadVM-ip'), and 'NIC network security group' (set to 'Basic'). Under 'Public inbound ports', the option 'Allow selected ports' is selected. At the bottom, there are buttons for 'Review + create', '< Previous', 'Next : Management >', and 'Give feedback'.

# Scroll down and set inbound ports

The screenshot shows the Microsoft Azure portal interface for creating a new virtual machine. The page title is "Create a virtual machine". In the "Networking" section, under "Public inbound ports", the "Allow selected ports" option is selected, and the dropdown menu lists "HTTP (80), HTTPS (443), SSH (22), RDP (3389)". A warning message states: "⚠️ This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses." Below this, there are two checkboxes: "Delete public IP and NIC when VM is deleted" and "Enable accelerated networking". The "Enable accelerated networking" checkbox is unchecked and has a note: "The selected VM size does not support accelerated networking." At the bottom, there are buttons for "Review + create", "< Previous" (disabled), "Next : Management >", and "Give feedback". The taskbar at the bottom includes icons for Start, Search, File Explorer, Edge browser, Mail, and File History, along with system status indicators like battery level, temperature, and date/time.

# Click the Review + create button and check the configuration

The screenshot shows the Microsoft Azure portal interface for creating a virtual machine. The browser title bar reads "Create a virtual machine - Microsoft Azure". The URL in the address bar is "https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM". The main content area is titled "Create a virtual machine". A green banner at the top indicates "Validation passed". Below it, a navigation bar includes tabs for Basics, Disks, Networking, Management, Monitoring, Advanced, Tags, and Review + create, with "Review + create" being the active tab. A note below the tabs states: "Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs." The "Price" section shows "1 X Standard B1s by Microsoft" and "Subscription credits apply". It lists the price as "1.0995 INR/hr" and provides links for "Terms of use" and "Privacy policy". The "TERMS" section contains a detailed legal agreement text. At the bottom, there are buttons for "Create", "< Previous" and "Next >", "Download a template for automation", and "Give feedback". The taskbar at the bottom of the screen shows various pinned icons and system status information.

# Click the create button and now start initialization process.

The screenshot shows the Microsoft Azure portal interface for creating a virtual machine. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM>. The page title is "Create a virtual machine". The "Review + create" tab is active. A green validation message "Validation passed" is displayed. A tooltip in the top right corner says "Initializing deployment..." and "Initializing template deployment to resource group 'Headoffice'". The "Price" section shows "1 X Standard B1s by Microsoft" at "1.0995 INR/hr". The "TERMS" section contains legal disclaimers. At the bottom, there are "Create", "Previous", "Next", and "Give feedback" buttons, along with a search bar and the Windows taskbar.

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface for a deployment named "CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230908105713". The main content area displays the message "... Deployment is in progress". Below this, it shows deployment details for three resources:

Resource	Type	Status	Operation details
headvm792	Microsoft.Network/networkInterf...	Created	<a href="#">Operation details</a>
HeadVM-ip	Microsoft.Network/publicIpAddr...	OK	<a href="#">Operation details</a>
HeadVM-nsg	Microsoft.Network/networkSecur...	OK	<a href="#">Operation details</a>

On the left sidebar, the "Overview" tab is selected. On the right sidebar, there are links for Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

At the bottom of the page, the URL is https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839-f982498e9665

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the URL is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2...>. The top navigation bar shows 'Microsoft Azure' and a user profile for 'bindubiju81@outlook.com'. The main content area displays the 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230908105713 | Overview' page. A prominent message says 'Your deployment is complete'. Below it, deployment details are listed: Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe..., Start time: 9/8/2023, 11:12:21 AM, Subscription: Free Trial, Resource group: Headoffice, Correlation ID: 8e7dc486-d5aa-4201-8be7-1d3bbff5ec28. To the right, there are sections for 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'. At the bottom, there's a search bar, a taskbar with various icons, and system status information including battery level (100%), weather (29°C Partly sunny), and system time (11:13 AM 9/8/2023).

Home >

CreateVm-MicrosoftWindowsServer.WindowsServer-201-20230908105713 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 9/8/2023, 11:12:21 AM  
Subscription: Free Trial Correlation ID: 8e7dc486-d5aa-4201-8be7-1d3bbff5ec28

Deployment details

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

Give feedback

Tell us about your experience with deployment

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100%

29°C Partly sunny

11:13 AM 9/8/2023

ENG IN

# Go to route table again create a new route table and give a name SOVnet

The screenshot shows the 'Create Route table' wizard in the Microsoft Azure portal. The page title is 'Create Route table - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The top navigation bar includes 'Microsoft Azure' and a search bar. The user's email, 'bindubiju81@outlook.com', is visible in the top right.

The main content area is titled 'Create Route table' and shows the 'Basics' tab selected. The 'Project details' section asks for a subscription and resource group. The 'Subscription' dropdown is set to 'Free Trial' and the 'Resource group' dropdown is set to 'Siteoffice1'. The 'Instance details' section includes fields for 'Region' (set to 'South Central US') and 'Name' (set to 'SOVnetRT'). The 'Propagate gateway routes' section has a radio button for 'Yes' selected. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons. The taskbar at the bottom of the screen shows various pinned icons and system status information.

Choose the resource group and virtual network . Give a name route table name. Review + create click and proceed to new page

The screenshot shows the Microsoft Azure portal interface for creating a Route table. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The page title is "Create Route table". The navigation bar shows "Microsoft Azure" and the user's email "bindubiju81@outlook.com". The main content area is titled "Create Route table" and includes tabs for "Basics", "Tags", and "Review + create" (which is currently selected). Below the tabs, there is a link to "View automation template". A section titled "TERMS" contains legal text about agreeing to terms and conditions. The "Basics" section displays the following configuration:

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Name	SOVnetRT
Propagate gateway routes	Yes

At the bottom of the form, there are "Previous", "Next", and "Create" buttons. The "Create" button is highlighted in blue. The taskbar at the bottom of the screen shows various pinned icons and the system tray with the date and time.

# Click the create button and go to initialization process

The screenshot shows the Microsoft Azure portal interface for creating a Route table. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.RouteTable-ARM>. The Azure search bar at the top has the placeholder "Search resources, services, and docs (G+)". The user's email, "bindubiju81@outlook.com", is displayed in the top right corner.

The main content area shows the "Create Route table" wizard. The "Basics" tab is selected, while "Tags" and "Review + create" are also available. Below the tabs, there is a link to "View automation template".

**TERMS**

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

**Basics**

Subscription	Free Trial
Resource group	Siteoffice1
Region	South Central US
Name	SOVnetRT
Propagate gateway routes	Yes

At the bottom of the wizard, there are three buttons: "Previous", "Next", and "Create".

The taskbar at the bottom of the screen displays several icons, including the Start button, a search bar with the placeholder "Type here to search", and various system status indicators like battery level, signal strength, and system temperature (29°C). The date and time are shown as 11:38 AM on 9/8/2023.

# Deployment progress is start and running

Microsoft.RouteTable-20230908113522 | Overview

Deployment name : Microsoft.RouteTable-20230908113522  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/8/2023, 11:38:19 AM  
Correlation ID : 74b7374c-0171-424d-96ca-34b80e600d88

Deployment details

Resource	Type	Status	Operation details
SOVnetRT	Route table	Created	<a href="#">Operation details</a>

Give feedback

Tell us about your experience with deployment

Microsoft Defender for Cloud  
Secure your apps and infrastructure  
[Go to Microsoft Defender for Cloud >](#)

Free Microsoft tutorials  
[Start learning today >](#)

Work with an expert  
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
[Find an Azure expert >](#)

Type here to search

100% 29°C ENG IN 11:38 AM 9/8/2023

# Deployment progress is complete

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current page is "Microsoft.RouteTable-202309081 | Overview". The main content area displays a message: "Your deployment is complete". Below this, deployment details are listed: Deployment name: Microsoft.RouteTable-20230908113522, Subscription: Free Trial, Resource group: Siteoffice1. To the right, there are links for "Cost management" (with a green dollar sign icon) and "Microsoft Defender for Cloud" (with a shield and lock icon). At the bottom, there are sections for "Give feedback", "Free Microsoft tutorials", and "Work with an expert". The taskbar at the bottom shows various pinned icons and the system tray with the date and time.

Microsoft.RouteTable-202309081 | Overview

Your deployment is complete

Deployment name : Microsoft.RouteTable-20230908113522  
Subscription : Free Trial  
Resource group : Siteoffice1

Start time : 9/8/2023, 11:38:19 AM  
Correlation ID : 74b7374c-0171-424d-96ca-34b80e600d88

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  
Go to Microsoft Defender for Cloud >

Give feedback  
Tell us about your experience with deployment

Free Microsoft tutorials  
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Work with an expert  
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100% 29°C Partly sunny ENG IN 11:39 AM 9/8/2023

# Go to SOVnet route table and click add button

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "Add route - Microsoft Azure". The URL is <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The user is signed in as bindubiju81@outlook.com.

The main page title is "SOVnetRT | Routes". On the left sidebar, under the "Routes" section, the "Add" button is highlighted. The central area displays the "Add route" configuration form:

- Route name \***: HOPremToApp
- Destination type \***: IP Addresses
- Destination IP addresses/CIDR ranges \***: 10.6.0.0/24
- Next hop type \***: Virtual appliance
- Next hop address \***: 10.5.3.0

A note at the bottom of the form states: "Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings."

At the bottom right of the form is a blue "Add" button. The status bar at the bottom of the screen shows the date and time as 11:43 AM 9/8/2023.

# Set the configuration and click save the button

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Subnets, Properties, Locks, Monitoring, Alerts, Tasks (preview), and Export template. The main content area displays the 'SOVnetRT | Routes' page under the 'Route table' section. A search bar at the top of the main content area has the URL <https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...>. The main content area shows a table with columns for Name, Address prefix, and Next hop type, with a note stating 'No results.' Below the table, a modal dialog titled 'Add route' is open, showing the configuration for a new route named 'HOPremToApp'. The configuration fields include:

- Route name: HOPremToApp
- Destination type: IP Addresses
- Destination IP addresses/CIDR ranges: 10.6.0.0/24
- Next hop type: Virtual appliance
- Next hop address: 10.5.3.0

A tooltip message at the bottom of the modal states: 'Ensure you have IP forwarding enabled on your virtual appliance. You can enable this by navigating to the respective network interface's IP address settings.'

At the bottom right of the modal, there is a blue 'Add' button and a 'Give feedback' link.

# Now routes are saved

The screenshot shows the Microsoft Azure portal interface. The user is viewing the 'Routes' section of a route table named 'SOVnetRT'. The left sidebar lists various navigation options like Overview, Activity log, and Settings. Under Settings, 'Routes' is currently selected. The main content area displays a table of routes with one entry: 'HOPremToApp' with address prefix '10.6.0.0/24' and next hop type 'VirtualAppliance'. A notifications panel on the right shows a success message: 'Successfully added route' with the note 'Successfully added route 'HOPremToApp' to route table 'SOVnetRT''. The status bar at the bottom shows system information including the date and time.

SOVnetRT - Microsoft Azure   siteVnet1 - Microsoft Azure

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb...

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

bindubiju81@outlook.c...  
DEFAULT DIRECTORY (BINDUBU...)

Home > Microsoft.RouteTable-20230908113522 | Overview > SOVnetRT

SOVnetRT | Routes

Route table

Search

Add Refresh Give feedback

Search routes

Name ↑	Address prefix ↑	Next hop type ↑
HOPremToApp	10.6.0.0/24	VirtualAppliance

Notifications

More events in the activity log → Dismiss all

Successfully added route

Successfully added route 'HOPremToApp' to route table 'SOVnetRT'. a few seconds ago

Type here to search

100%

29°C Partly sunny

ENG IN 11:44 AM 9/8/2023

Go to siteVnet1 and click subnet page click add button save the configuration

The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes Home, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (with Address space, Connected devices, Subnets selected, Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints), and a search bar at the bottom.

The main content area displays the 'siteVnet1 | Subnets' page. On the left, there's a list of subnets: default (IPv4: 10.5.2.0/24, Available IPs: 251), AzureBastionSubnet (IPv4: 10.5.5.0/26, Available IPs: 57), and Admin (IPv4: 10.5.3.0/25, Available IPs: 123). A 'Search subnets' input field is also present.

To the right, an 'Add subnet' dialog box is open. It contains the following fields:

- Name: GatewaySubnet
- Subnet address range\*: 10.5.0.0/24 (10.5.0.0 - 10.5.0.255 (251 + 5 Azure reserved addresses))
- Add IPv6 address space: (unchecked)
- NAT gateway: None
- Network security group: None
- Route table: SOVnetRT
- SERVICE ENDPOINTS: Create service endpoint policies to allow traffic to specific Azure resources from your virtual network over service endpoints. Services: 0 selected.

At the bottom of the dialog are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link.

# Now click save button then now saving the configuration

The screenshot shows the Microsoft Azure portal interface for managing subnets in a virtual network. The left sidebar navigation bar includes links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets (which is currently selected), Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints. The main content area displays the 'siteVnet1 | Subnets' page, showing a list of existing subnets: default (IPv4 range 10.5.2.0/24, available IPs 251), AzureBastionSubnet (IPv4 range 10.5.5.0/26, available IPs 57), and Admin (IPv4 range 10.5.3.0/25, available IPs 123). A modal dialog box titled 'Add subnet' is open on the right, showing the configuration for a new subnet named 'GatewaySubnet'. The 'Subnet address range' is set to '10.5.0.0/24'. The 'Route table' dropdown is set to 'SOVnetRT'. At the bottom of the dialog are 'Save' and 'Cancel' buttons, along with a 'Give feedback' link.

# This configuration are saved

The screenshot shows the Microsoft Azure portal interface. The user is on the 'Subnets' page of a virtual network named 'siteVnet1'. The left sidebar includes options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Address space, Connected devices, Subnets (which is selected), Bastion, DDoS protection, Firewall, Microsoft Defender for Cloud, Network manager, DNS servers, Peerings, and Service endpoints. The main content area displays a table of subnets with columns for Name, IPv4, IPv6, and Available IPs. The table shows four subnets: default (IPv4: 10.5.2.0/24, Available IPs: 251), AzureBastionSubnet (IPv4: 10.5.5.0/26, Available IPs: 57), Admin (IPv4: 10.5.3.0/25, Available IPs: 123), and GatewaySubnet (IPv4: 10.5.0.0/24, Available IPs: availability dependent on ...). A notifications panel on the right shows a message: 'Successfully added subnet' with a timestamp 'a few seconds ago'. The browser address bar shows the URL for the Azure portal.

Name ↑	IPv4 ↑	IPv6 ↑	Available IPs ↑
default	10.5.2.0/24	-	251
AzureBastionSubnet	10.5.5.0/26	-	57
Admin	10.5.3.0/25	-	123
GatewaySubnet	10.5.0.0/24	-	availability dependent on ...

Notifications

More events in the activity log → Dismiss all

Successfully added subnet

Successfully added subnet 'GatewaySubnet' to virtual network 'siteVnet1'. a few seconds ago

# Create a Log Analytics Workspace

The screenshot shows the Microsoft Azure portal interface for creating a Log Analytics workspace. The browser title bar reads "Create Log Analytics workspace". The address bar shows the URL "https://portal.azure.com/#create/Microsoft.LogAnalyticsOMS". The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for "bindubiju81@outlook.com". Below the navigation bar, the breadcrumb trail shows "Home > Log Analytics workspaces > Create Log Analytics workspace".

A callout message box provides information about Log Analytics workspaces, stating: "A Log Analytics workspace is the basic management unit of Azure Monitor Logs. There are specific considerations you should take when creating a new Log Analytics workspace." It includes a link to "Learn more".

The main content area is titled "Project details" and asks to select a subscription and resource group. The "Subscription" dropdown is set to "Free Trial". The "Resource group" dropdown is set to "(New) MonitorNS" with a "Create new" option below it.

The "Instance details" section requires specifying a name and region. The "Name" field is filled with "projectmonitor". The "Region" dropdown is set to "East US".

At the bottom, there are navigation buttons: "Review + Create" (highlighted in blue), "Previous", and "Next : Tags >". The taskbar at the bottom of the screen shows various pinned icons and system status information, including the date and time (11:53 AM, 9/8/2023).

Go to market place and create log analytics workspace and give resource name Monitor AG.

The screenshot shows the 'Create Log Analytics workspace' page in the Microsoft Azure portal. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.LogAnalyticsOMS>. The page title is 'Create Log Analytics workspace'. A green validation message 'Validation passed' is displayed. The 'Review + Create' tab is selected. The 'Log Analytics workspace by Microsoft' section contains the following details:

Setting	Value
Subscription	Free Trial
Resource group	MonitorNS
Name	projectmonitor
Region	East US

The 'Pricing' section shows 'Pricing tier' as 'Pay-as-you-go (Per GB 2018)'. A note states: 'The cost of your workspace depends on the volume of data ingested and how long it is retained. Regional pricing details are available on the [Azure Monitor pricing page](#). You can change to a different pricing tier after the workspace is created.' Below this, there is a 'Tags' section and a bottom navigation bar with 'Create', '« Previous', 'Download a template for automation', and a search bar.

Click the Review + create button and check the configuration.  
Click the create button now initialization process

Create Log Analytics workspace

Basics Tags Review + Create

Log Analytics workspace by Microsoft

Basics

Subscription	Free Trial
Resource group	MonitorNS
Name	projectmonitor
Region	East US

Pricing

Pricing tier Pay-as-you-go (Per GB 2018)

The cost of your workspace depends on the volume of data ingested and how long it is retained. Regional pricing details are available on the Azure Monitor pricing page. You can change to a different pricing tier after the workspace is created. Learn more about Log Analytics pricing models.

Tags

None

Create Previous Download a template for automation

Type here to search

29°C Partly sunny 11:54 AM 9/8/2023

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface for a Log Analytics workspace named "Microsoft.LogAnalyticsOMS". The main title bar reads "Microsoft.LogAnalyticsOMS - Mi" and the URL is "https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F2...". The navigation bar includes "Microsoft Azure", a search bar, and a user profile for "bindubiju81@outlook.com".

The page displays the "Overview" section of the deployment, which is currently "in progress". Key details shown include:

- Deployment name: Microsoft.LogAnalyticsOMS
- Subscription: Free Trial
- Resource group: MonitorNS
- Start time: 9/8/2023, 11:54:59 AM
- Correlation ID: 105fd057-4aa1-42a6-80ce-5dcdf22905a0

A table titled "Deployment details" lists one resource:

Resource	Type	Status	Operation details
projectmonitor	Log Analytics workspace	Created	<a href="#">Operation details</a>

Below the table, there are two feedback options:

- [Give feedback](#)
- [Tell us about your experience with deployment](#)

On the right side of the page, there are promotional links:

- Microsoft Defender for Cloud**: Secure your apps and infrastructure. [Go to Microsoft Defender for Cloud >](#)
- Free Microsoft tutorials**: [Start learning today >](#)
- Work with an expert**: Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. [Find an Azure expert >](#)

The bottom of the screen shows the Windows taskbar with various pinned icons and system status information, including the date (9/8/2023), time (11:55 AM), and location (ENG IN).

# Click the deployment progress is complete

The screenshot shows the Microsoft Azure portal with the URL <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...>. The page title is "Microsoft.LogAnalyticsOMS | Overview". The main content area displays a green checkmark icon and the message "Your deployment is complete". Below this, it shows deployment details: Deployment name: Microsoft.LogAnalyticsOMS, Subscription: Free Trial, Resource group: MonitorNS. It also lists "Deployment details" and "Next steps" sections, with a prominent blue "Go to resource" button. To the right, there are promotional cards for "Cost management", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

Microsoft.LogAnalyticsOMS - Mi X

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...

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

bindubiju81@outlook.c...  
DEFAULT DIRECTORY (BINDUBU...)

Home > Microsoft.LogAnalyticsOMS | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : Microsoft.LogAnalyticsOMS  
Subscription : Free Trial  
Resource group : MonitorNS

Start time : 9/8/2023, 11:54:59 AM  
Correlation ID : 105fd057-4aa1-42a6-80ce-5dcdf22905a0

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100%

29°C Partly sunny

ENG IN 11:55 AM 9/8/2023

# Create a storage Account

The screenshot shows the Microsoft Azure portal interface for creating a new storage account. The browser tab is titled "Create a storage account - Micro" and the address bar shows the URL "https://portal.azure.com/#create/Microsoft.StorageAccount-ARM". The Azure search bar at the top contains the query "Search resources, services, and docs (G+/-)". The user's email "bindubiju81@outlook.c..." and "DEFAULT DIRECTORY (BINDUBU...)" are visible on the right.

The main page title is "Create a storage account". Below it, a navigation bar includes tabs for "Basics", "Advanced", "Networking", "Data protection", "Encryption", "Tags", and "Review". The "Basics" tab is currently selected.

In the "Instance details" section, the "Resource group" dropdown is set to "MonitorNS". There is also a "Create new" link below it.

Under "Storage account name", the input field contains "promon1234".

Under "Region", the dropdown is set to "(US) South Central US". A link "Deploy to an edge zone" is present below the region selection.

Under "Performance", the radio button for "Standard: Recommended for most scenarios (general-purpose v2 account)" is selected. An alternative option "Premium: Recommended for scenarios that require low latency." is also listed.

Under "Redundancy", the dropdown is set to "Locally-redundant storage (LRS)".

At the bottom of the page, there are buttons for "Review" (highlighted in blue), "< Previous", "Next : Advanced >", and "Give feedback".

The Windows taskbar at the bottom of the screen displays the Start button, a search bar with the placeholder "Type here to search", and several pinned icons for File Explorer, Mail, and Edge. The system tray shows the date and time as "12:05 PM 9/8/2023", the location as "ENG IN", and the weather as "29°C Partly sunny".

Go to market place and create storage account and give a name promon1234 then Review + create button go next page

The screenshot shows a Microsoft Edge browser window with the URL <https://portal.azure.com/#create/Microsoft.StorageAccount-ARM>. The title bar includes tabs for 'Create a storage account - Micro' and 'Income Tax Portal, Government'. The Microsoft Azure header bar shows a user profile for 'bindubiju81@outlook.com'.

The main content area is titled 'Create a storage account'. Below it, a navigation bar has tabs: Basics, Advanced, Networking, Data protection, Encryption, Tags, and Review. The 'Review' tab is underlined, indicating it is active.

**Basics**

Subscription	Free Trial
Resource Group	MonitorNS
Location	southcentralus
Storage account name	promon1234
Deployment model	Resource manager
Performance	Standard
Replication	Locally-redundant storage (LRS)

**Advanced**

Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable SFTP	Disabled

At the bottom of the page, there are buttons for 'Create' (highlighted in blue), '< Previous' (disabled), 'Next >', 'Download a template for automation', and 'Give feedback'. The status bar at the bottom of the browser shows the search bar, taskbar icons, battery level (100%), weather (29°C Partly sunny), system tray icons, and the date/time (12:06 PM 9/8/2023).

# Click the create button and now initialization process

The screenshot shows a Microsoft Azure storage account creation page in a browser. The URL is https://portal.azure.com/#create/Microsoft.StorageAccount-ARM. The page is titled "Create a storage account". A progress bar at the top indicates "Deploying...". A message box in the top right corner says "Initializing deployment..." and "Initializing template deployment to resource group 'MonitorNS'". The "Review" tab is selected in the navigation bar. The "Basics" section contains the following configuration:

Subscription	Free Trial
Resource Group	MonitorNS
Location	southcentralus
Storage account name	promon1234
Deployment model	Resource manager
Performance	Standard
Replication	Locally-redundant storage (LRS)

The "Advanced" section includes the following settings:

Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled

At the bottom, there are buttons for "Create", "< Previous", "Next >", "Download a template for automation", "Give feedback", and a search bar. The taskbar at the bottom shows various pinned icons and the date/time as 9/8/2023 12:06 PM.

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The main title bar reads "promon1234\_1694155007367 - Income Tax Portal, Government". The URL in the address bar is <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...>. The top navigation bar includes "Microsoft Azure", a search bar, and a user profile for "bindubiju81@outlook.com". The main content area is titled "Home > promon1234\_1694155007367 | Overview". On the left, there's a sidebar with "Deployment" selected, followed by "Overview", "Inputs", "Outputs", and "Template". The main pane displays the message "... Deployment is in progress". It shows deployment details: Deployment name: promon1234\_1694155007367, Subscription: Free Trial, Resource group: MonitorNS. The start time is 9/8/2023, 12:06:58 PM, and the Correlation ID is bc1af384-db66-4114-85e3-7d3625461e44. Below this, there's a section for "Deployment details" which says "No results.". At the bottom, there are links for "Give feedback" and "Tell us about your experience with deployment". To the right of the main content, there are promotional cards for "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". The status bar at the bottom shows the URL "https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839-f982498e9665", the search bar placeholder "Type here to search", and system icons for battery, network, and volume. The taskbar also shows the date and time as "12:07 PM 9/8/2023".

# Now Deployment is complete

The screenshot shows the Microsoft Azure portal interface. At the top, there is a browser header with tabs for 'Income Tax Portal, Government' and a search bar. Below the header, the Microsoft Azure logo and a search bar are visible. The main content area displays a deployment overview for 'promon1234\_1694155007367'. The 'Overview' tab is selected, showing a green checkmark icon and the message 'Your deployment is complete'. Below this, deployment details are listed: Deployment name: promon1234\_1694155007367, Subscription: Free Trial, Resource group: MonitorNS. To the right, deployment metadata is shown: Start time: 9/8/2023, 12:06:58 PM, Correlation ID: bc1af384-db66-4114-85e3-7d3625461e44. A 'Go to resource' button is present. On the left, a sidebar lists 'Overview', 'Inputs', 'Outputs', and 'Template'. On the right, there are promotional cards for 'Cost Management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status information.

# Repeat the previous procedure and create new storage account. Then give a name promo1235

The screenshot shows the Microsoft Azure 'Create a storage account' wizard. The current step is 'Basics'. The 'Resource group' dropdown is set to 'MonitorNS'. The 'Storage account name' field contains 'promo1235'. The 'Region' dropdown is set to '(US) East US'. Under 'Performance', the 'Standard' radio button is selected. Under 'Redundancy', 'Locally-redundant storage (LRS)' is chosen. At the bottom, there are navigation buttons: 'Review', '< Previous', 'Next : Advanced >', and 'Give feedback'.

Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review

Resource group \* MonitorNS Create new

Instance details

Storage account name \* promo1235

Region \* (US) East US Deploy to an edge zone

Performance \* Standard: Recommended for most scenarios (general-purpose v2 account)

Premium: Recommended for scenarios that require low latency.

Redundancy \* Locally-redundant storage (LRS)

Review < Previous Next : Advanced > Give feedback

# Click the Review + create button and check the parameters

The screenshot shows the 'Create a storage account' review step in the Microsoft Azure portal. The 'Review' tab is selected in the top navigation bar. The page displays two sections: 'Basics' and 'Advanced'. In the 'Basics' section, the following parameters are listed:

Subscription	Free Trial
Resource Group	MonitorNS
Location	eastus
Storage account name	promo1235
Deployment model	Resource manager
Performance	Standard
Replication	Locally-redundant storage (LRS)

In the 'Advanced' section, the following parameters are listed:

Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable SFTP	Disabled

At the bottom of the page, there are buttons for 'Create' (highlighted in blue), '< Previous' and 'Next >', 'Download a template for automation', and 'Give feedback'. The status bar at the bottom of the browser window shows the Windows taskbar with various pinned icons and system information like battery level, temperature, and date/time.

# Click the create button and now initialization process is start

The screenshot shows the Microsoft Azure portal interface for creating a new storage account. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.StorageAccount-ARM>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for bindubiju81@outlook.com.

The main content area displays the "Create a storage account" wizard. The "Review" tab is selected. A progress bar at the top indicates "Deploying...". A message box in the upper right corner states "Initializing deployment..." and "Initializing template deployment to resource group 'MonitorNS'".

The "Basics" section contains the following configuration details:

Subscription	Free Trial
Resource Group	MonitorNS
Location	eastus
Storage account name	promo1235
Deployment model	Resource manager
Performance	Standard
Replication	Locally-redundant storage (LRS)

The "Advanced" section contains the following settings:

Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled

At the bottom of the page, there are buttons for "Create", "< Previous" (disabled), "Next >" (disabled), "Download a template for automation", "Give feedback", and a search bar. The taskbar at the bottom of the screen shows various pinned icons and system status information.

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'bindubiju81@outlook.com'.

The main content area displays a deployment overview for 'promo1235\_1694156086564'. The title bar says 'Overview'.

The deployment status is shown as 'Deployment is in progress'.

Deployment details:

- Deployment name: promo1235\_1694156086564
- Subscription: Free Trial
- Resource group: MonitorNS

Timestamps:  
Start time: 9/8/2023, 12:24:58 PM  
Correlation ID: 243ba74a-e346-4af3-b7c9-f74cb0a9c634

Deployment details table:

Resource	Type	Status	Operation details
No results.			

Feedback options:

- Give feedback
- Tell us about your experience with deployment

Right sidebar features:

- Microsoft Defender for Cloud**: Secure your apps and infrastructure. [Go to Microsoft Defender for Cloud >](#)
- Free Microsoft tutorials**: Start learning today. [Start learning today >](#)
- Work with an expert**: Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. [Find an Azure expert >](#)

Bottom status bar:

- Address bar: https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subsc...
- Search bar: Type here to search
- Taskbar icons: File Explorer, Edge browser, Mail, LinkedIn, OneDrive, Google Sheets, Task View, Taskbar settings, Battery, 100% zoom, Weather (29°C Partly sunny), Network, ENG IN, 12:25 PM, Date (9/8/2023), and a notification icon.

# Deployment is complete

The screenshot shows the Microsoft Azure Deployment Overview page for a deployment named "promo1235\_1694156086564". The main message is "Your deployment is complete". Deployment details include a start time of 9/8/2023, 12:24:58 PM, and a correlation ID of 243ba74a-e346-4af3-b7c9-f74cb0a9c634. The page also features links for Cost Management, Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

Microsoft Azure | promo1235\_1694156086564 - Microsoft Edge

Income Tax Portal, Government of India

https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F...

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

bindubiju81@outlook.com (Bindubiju)

Home > promo1235\_1694156086564 | Overview

Deployment

Search | Delete | Cancel | Redeploy | Download | Refresh

Overview

Your deployment is complete

Deployment name: promo1235\_1694156086564  
Subscription: Free Trial  
Resource group: MonitorNS

Start time: 9/8/2023, 12:24:58 PM  
Correlation ID: 243ba74a-e346-4af3-b7c9-f74cb0a9c634

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100%

29°C Partly sunny

ENG IN 12:25 PM 9/8/2023

Go to market place and click the network watcher then click flow log create button.

The screenshot shows the Microsoft Azure Network Watcher Flow logs interface. At the top, there is a navigation bar with tabs for 'Network Watcher' and 'Income Tax Portal, Government'. Below the navigation bar is a search bar and a user profile section. The main content area is titled 'Network Watcher | Flow logs' and includes a toolbar with buttons for 'Create', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Enable', 'Disable', and 'Delete'. There are also filters for 'Subscription equals all', 'Resource group equals all', and 'Location equals all', along with an 'Add filter' button. A dropdown menu shows 'No grouping' and 'List view'. On the left side, there is a sidebar with sections for 'Network diagnostic tools' (IP flow verify, NSG diagnostics, Next hop, Effective security rules, VPN troubleshoot, Packet capture, Connection troubleshoot), 'Metrics' (Usage + quotas), and 'Logs' (Flow logs, Diagnostic logs, Traffic Analytics). The 'Logs' section has 'Flow logs' selected. The main table area displays a message: 'Showing 0 to 0 of 0 records.' with a magnifying glass icon over a globe. Below this, it says 'No flow logs to display' and 'Try changing or clearing your filters.' with a 'Create flow log' button. At the bottom, there is a taskbar with icons for Start, Search, File Explorer, Phone, Mail, LinkedIn, and Edge browser, along with system status indicators for battery level, signal strength, and weather (29°C, Partly sunny). The bottom right corner shows the date and time (9/8/2023, 12:27 PM) and language (ENG IN).

# Choose the storage account and then select retention days 0.

The screenshot shows the Microsoft Azure portal interface for creating a flow log. The browser title bar reads "Create a flow log - Microsoft Azure". The address bar shows the URL "https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM". The main content area is titled "Create a flow log".

**Flow Log Name:** AppNSG1-siteoffice2-flowlog

**Resource Group:** siteoffice2

**Instance details:**

- Select storage account:** A note says: "You'll be charged normal data rates for storage and transactions when you send data to a storage account."
- Location:** southcentralus
- Subscription:** Free Trial
- Storage Accounts:** promon1234
- Create a new storage account:** (link)

**Retention (days):** 0

At the bottom, there are buttons for "Review + create" and "Next : Analytics >". The taskbar at the bottom of the screen shows various pinned icons and system status information.

# Review + create button click then check configuration

The screenshot shows a Microsoft Azure browser-based interface for creating a flow log. The title bar indicates the page is 'Create a flow log - Microsoft Azure'. The URL in the address bar is 'https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM'. The top navigation bar includes links for 'Microsoft Azure', 'Search resources, services, and docs (G+)', and a user profile for 'bindubiju81@outlook.com... DEFAULT DIRECTORY (BINDUBU...)'. Below the navigation bar, the breadcrumb trail shows 'Home > Network Watcher | Flow logs > Create a flow log'. The main content area is titled 'Create a flow log' and displays validation status 'Validation passed'. The configuration is divided into three tabs: 'Basics', 'Analytics', and 'Review + create' (which is currently selected). The 'Basics' tab shows the following details:

Subscription	Free Trial
Resource	AppNSG1
Location	southcentralus
Flow Log Name	AppNSG1-siteoffice2-flowlog
Storage Accounts	promon1234

The 'Analytics' tab shows the following details:

Flow Logs Version	2
Flow Log Type	Network Security Group
Enable Traffic Analytics	Yes
Traffic Analytics processing interval	Every 10 mins
Log Analytics Workspace	projectmonitor

The 'Tags' section is currently empty.

At the bottom of the page, there are buttons for 'Create' (highlighted in blue), '< Previous' and 'Next >', and a link to 'Download a template for automation'. The taskbar at the bottom of the screen shows various pinned icons and system status information, including the date and time (12:33 PM, 9/8/2023).

# Click create button and initialization process is start

The screenshot shows a Microsoft Azure browser-based interface for creating a flow log. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM>. The page title is "Create a flow log". A progress bar at the top indicates "Validation passed". Below it, tabs for "Basics", "Analytics", "Tags", and "Review + create" are visible, with "Review + create" currently selected.

**Basics**

Subscription	Free Trial
Resource	AppNSG1
Location	southcentralus
Flow Log Name	AppNSG1-siteoffice2-flowlog
Storage Accounts	promon1234

**Analytics**

Flow Logs Version	2
Flow Log Type	Network Security Group
Enable Traffic Analytics	Yes
Traffic Analytics processing interval	Every 10 mins
Log Analytics Workspace	projectmonitor

**Tags**

At the bottom, there are buttons for "Create", "< Previous", "Next >", and "Download a template for automation". The status bar at the bottom right shows system information: 29°C, Partly sunny, ENG IN, 12:33 PM, 9/8/2023, and a battery icon.

A modal window titled "Initializing deployment..." is displayed, stating "Initializing template deployment to resource group 'NetworkWatcherRG'".

# Deployment progress is start and running

The screenshot shows the Microsoft Azure portal interface. The main title bar displays "Microsoft.NSGFlowLog-20230908122816 | Overview". The left sidebar has "Overview" selected, along with "Inputs", "Outputs", and "Template". The main content area shows a message "... Deployment is in progress". Below this, deployment details are listed: Deployment name: Microsoft.NSGFlowLog-20230908122816, Subscription: Free Trial, Resource group: NetworkWatcherRG. The deployment started at 9/8/2023, 12:33:54 PM with Correlation ID: 9973051a-2f63-4e2f-a68d-7a6bb2953210. A table titled "Deployment details" shows one entry: Resource: NetworkWatcher\_southcentralus..., Type: microsoft.network/networkwatcher..., Status: Created, with a "Operation details" link. At the bottom, there are links for "Give feedback" and "Tell us about your experience with deployment". To the right, there are promotional cards for "Microsoft Defender for Cloud" (Secure your apps and infrastructure, Go to Microsoft Defender for Cloud >) and "Free Microsoft tutorials" (Start learning today >). Another section titled "Work with an expert" describes Azure experts as service provider partners who can help manage assets on Azure and be your first line of support, with a "Find an Azure expert >" link. The bottom navigation bar includes a search bar, pinned icons for File Explorer, Edge, Mail, and Task View, and system status indicators for battery level (100%), weather (29°C Partly sunny), and system info (ENG IN 12:34 PM 9/8/2023).

Microsoft.NSGFlowLog-20230908122816 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name: Microsoft.NSGFlowLog-20230908122816  
Subscription: Free Trial  
Resource group: NetworkWatcherRG

Start time: 9/8/2023, 12:33:54 PM  
Correlation ID: 9973051a-2f63-4e2f-a68d-7a6bb2953210

Deployment details

Resource	Type	Status	Operation details
NetworkWatcher_southcentralus...	microsoft.network/networkwatcher...	Created	Operation details

Give feedback

Tell us about your experience with deployment

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839-f982498e9665

Type here to search

File Explorer Edge Mail Task View

100%

29°C Partly sunny

ENG IN 12:34 PM 9/8/2023

# Deployment is complete

The screenshot shows the Microsoft Azure portal interface. The main title bar displays "Microsoft.NSGFlowLog-20230908122816 | Overview". On the left, a navigation menu includes "Overview", "Inputs", "Outputs", and "Template". The "Overview" tab is selected, showing a green checkmark icon and the message "Your deployment is complete". Below this, deployment details are listed: "Deployment name: Microsoft.NSGFlowLog-20230908122816", "Subscription: Free Trial", and "Resource group: NetworkWatcherRG". A "Deployment details" section is collapsed, and a "Next steps" section is expanded, containing a "Go to resource" button. At the bottom of the main content area, there are links for "Give feedback" and "Tell us about your experience with deployment". To the right of the main content, there are three promotional cards: "Cost Management" (with a dollar sign icon), "Microsoft Defender for Cloud" (with a shield and lock icon), and "Free Microsoft tutorials" (with a book icon). At the very bottom, a taskbar shows various pinned icons and system status information like battery level, temperature, and network connection.

Microsoft.NSGFlowLog-20230908122816 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name: Microsoft.NSGFlowLog-20230908122816  
Subscription: Free Trial  
Resource group: NetworkWatcherRG

Start time: 9/8/2023, 12:33:54 PM  
Correlation ID: 9973051a-2f63-4e2f-a68d-7a6bb2953210

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

100%

29°C Partly sunny

ENG IN 12:34 PM 9/8/2023

# Repeat the previous procedure then create new flow log and choose the second storage account

The screenshot shows the 'Create a flow log' wizard in the Microsoft Azure portal. The page title is 'Create a flow log - Microsoft Azure'. The URL in the browser is <https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM>. The user is signed in as bindubiju81@outlook.com.

**Subscription:** Free Trial

**Flow Log Name:** HeadVM-nsg-headoffice-flowlog

**Resource:** HeadVM-nsg

**Resource Group:** headoffice

**Instance details:**

- Select storage account:** A note says: "You'll be charged normal data rates for storage and transactions when you send data to a storage account."
- Location:** eastus
- Subscription:** Free Trial
- Storage Accounts:** promo1235
- Create a new storage account:** A link to do so.
- Retention (days):** 90

**Buttons at the bottom:**

- Review + create
- < Previous
- Next : Analytics >
- Download a template for automation

**Taskbar at the bottom:**

- Type here to search
- Icons for File Explorer, Edge, Mail, OneDrive, and GitHub
- Battery level: 100%
- Weather: 29°C Partly sunny
- Language: ENG IN
- Date and time: 12:36 PM 9/8/2023

# Go to analytics page and select the version 2 and log analytics

Create a flow log - Microsoft Azure | Income Tax Portal, Government of India | +

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

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

bindubiju81@outlook.com... DEFAULT DIRECTORY (BINDUBU...)

Home > Network Watcher | Flow logs >

## Create a flow log

Basics Analytics Tags Review + create

Version 1 logs ingress and egress IP traffic flows for both allowed and denied traffic. Version 2 provides additional throughput information (bytes and packets) per flow. [Learn more](#).

Flow Logs Version  Version 1  Version 2

Traffic Analytics

Traffic Analytics provides rich analytics and visualization derived from flow logs and other Azure resources' data. Drill through geo-map, easily figure out traffic hotspots and get insights into optimization possibilities. [Learn about all features](#)

Enable Traffic Analytics

Traffic Analytics processing interval [?](#) Every 10 mins

Subscription Free Trial

Log Analytics Workspace \* [?](#) projectmonitor

[Review + create](#) < Previous Next : Tags > Download a template for automation

Type here to search

100% 29°C Partly sunny ENG IN 12:37 PM 9/8/2023

# Review + create click the button and check the configuration

The screenshot shows a Microsoft Azure browser-based interface for creating a flow log. The title bar indicates the page is 'Create a flow log - Microsoft Azure'. The URL in the address bar is <https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM>. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information for 'bindubiju81@outlook.com'.

The main content area is titled 'Create a flow log' and displays a green banner indicating 'Validation passed'. Below this, there are four tabs: Basics, Analytics, Tags, and Review + create. The 'Review + create' tab is currently selected.

**Basics**

Subscription	Free Trial
Resource	HeadVM-nsg
Location	eastus
Flow Log Name	HeadVM-nsg-headoffice-flowlog
Storage Accounts	promo1235

**Analytics**

Flow Logs Version	2
Flow Log Type	Network Security Group
Enable Traffic Analytics	Yes
Traffic Analytics processing interval	Every 10 mins
Log Analytics Workspace	projectmonitor

**Tags**

At the bottom of the form, there are buttons for 'Create' (highlighted in blue), '< Previous' and 'Next >', and a link to 'Download a template for automation'. The taskbar at the bottom of the screen shows various pinned icons and system status information, including the date (9/8/2023), time (12:37 PM), and weather (29°C Partly sunny).

# Click the create button and now initialization process is start

The screenshot shows the Microsoft Azure portal interface for creating a flow log. The browser address bar indicates the URL is <https://portal.azure.com/#create/Microsoft.NSGFlowLog-ARM>. The Azure navigation bar at the top includes 'Microsoft Azure', a search bar, and a user profile for 'bindubiju81@outlook.com'. A deployment status message 'Initializing deployment...' is displayed in a toast notification.

**Create a flow log**

Validation passed

Basics   Analytics   Tags   Review + create

**Basics**

Subscription	Free Trial
Resource	HeadVM-nsg
Location	eastus
Flow Log Name	HeadVM-nsg-headoffice-flowlog
Storage Accounts	promo1235

**Analytics**

Flow Logs Version	2
Flow Log Type	Network Security Group
Enable Traffic Analytics	Yes
Traffic Analytics processing interval	Every 10 mins
Log Analytics Workspace	projectmonitor

**Tags**

Create   < Previous   Next >   Download a template for automation

Type here to search

100% 29°C Partly sunny ENG IN 12:38 PM 9/8/2023

# Deployment progress start and running

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Microsoft.NSGFlowLog-20230908123608' and 'Income Tax Portal, Government'. The main title is 'Microsoft.NSGFlowLog-20230908123608 | Overview'. The left sidebar has sections for 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area displays deployment details: Deployment name: Microsoft.NSGFlowLog-20230908123608, Subscription: Free Trial, Resource group: NetworkWatcherRG. It shows a status message 'Deployment is in progress'. A table lists one resource: NetworkWatcher\_eastus/HeadV... (Type: microsoft.network/networkwatcher, Status: Created). The bottom right corner features promotional links for Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

Microsoft.NSGFlowLog-20230908123608 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Deployment is in progress

Deployment name: Microsoft.NSGFlowLog-20230908123608  
Subscription: Free Trial  
Resource group: NetworkWatcherRG

Start time: 9/8/2023, 12:38:37 PM  
Correlation ID: cbb0661c-1517-4a27-85a0-6b4076b04958

Resource Type Status Operation details

NetworkWatcher\_eastus/HeadV... microsoft.network/networkwatcher... Created Operation details

Give feedback

Tell us about your experience with deployment

Microsoft Defender for Cloud  
Secure your apps and infrastructure  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials  
Start learning today >

Work with an expert  
Azure experts are service provider partners  
who can help manage your assets on Azure  
and be your first line of support.  
Find an Azure expert >

https://portal.azure.com/#@bindubiju81outlook.onmicrosoft.com/resource/subscriptions/2340c646-6a78-4bb1-9839-f982498e9665

Type here to search 100% 29°C Partly sunny ENG IN 12:38 PM 9/8/2023

# Deployment is complete

The screenshot shows a Microsoft Azure deployment overview for a log named "Microsoft.NSGFlowLog-20230908123608". The main message is "Your deployment is complete". Deployment details include a name, subscription, and resource group. There are sections for "Deployment details" and "Next steps". A "Go to resource" button is present. The page also features links to "Cost Management", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". The browser address bar shows the URL for the deployment details blade.

Microsoft.NSGFlowLog-20230908123608 | Overview

Your deployment is complete

Deployment name: Microsoft.NSGFlowLog-20230908123608  
Subscription: Free Trial  
Resource group: NetworkWatcherRG

Start time: 9/8/2023, 12:38:37 PM  
Correlation ID: cbb0661c-1517-4a27-85a0-6b4076b04958

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

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  
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
Find an Azure expert >

Type here to search

29°C Partly sunny

12:39 PM 9/8/2023

# Now all is enabled is network watcher

The screenshot shows the Microsoft Azure Network Watcher Flow logs page. The top navigation bar includes tabs for 'Network Watcher - Microsoft Azure' and 'Income Tax Portal, Government'. The URL is https://portal.azure.com/#view/Microsoft\_Azure\_Network/NetworkWatcherMenuBlade/~/flowLogs. The left sidebar has sections for 'Network diagnostic tools' (IP flow verify, NSG diagnostics, Next hop, Effective security rules, VPN troubleshoot, Packet capture, Connection troubleshoot) and 'Metrics' (Usage + quotas). The main content area is titled 'Network Watcher | Flow logs' and displays a table of flow log configurations. The table has columns: Name, Provisioning state, Resource group, Location, Subscription, Status, Flow log type, and Target resource. Two entries are listed:

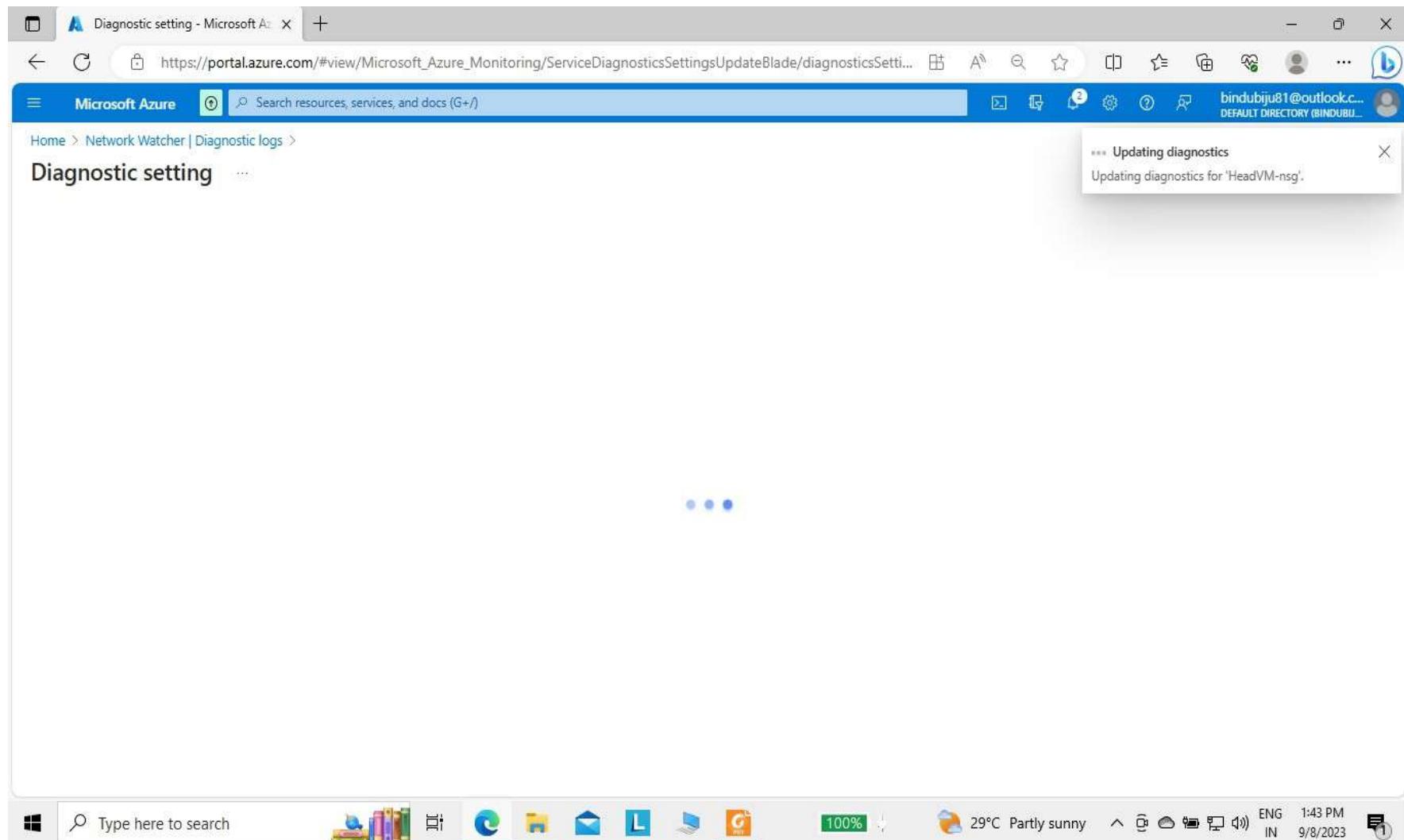
Name	Provisioning state	Resource group	Location	Subscription	Status	Flow log type	Target resource
AppNSG1-siteoffi...	Succeeded	NetworkWatcherRG	South Central US	Free Trial	Enabled	Network security group	AppNSG1
HeadVM-nsgr-hea...	Succeeded	NetworkWatcherRG	East US	Free Trial	Enabled	Network security group	HeadVM-

Below the table, there are buttons for 'Create', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Enable', 'Disable', and 'Delete'. A search bar at the top says 'Search resources, services, and docs (G+)'. The bottom of the screen shows a taskbar with a search bar, file explorer, browser, mail, and other icons, along with system status like battery level, temperature (29°C), and date/time (12:47 PM, 9/8/2023).

# Scroll down and click the diagnostic setting and give a name HODiag

The screenshot shows the 'Diagnostic setting' configuration page in the Microsoft Azure portal. The URL in the browser is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSetting](https://portal.azure.com/#view/Microsoft_Azure_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSetting). The page title is 'Diagnostic setting - Microsoft Azure'. The top navigation bar includes 'Microsoft Azure' and a search bar. On the left, there's a breadcrumb trail: Home > Network Watcher | Diagnostic logs > Diagnostic setting. The main content area is titled 'Diagnostic setting' with a sub-section 'Logs'. Under 'Logs', there are two sections: 'Category groups' (with 'allLogs' selected) and 'Categories' (with 'Network Security Group Event' selected). A warning message at the bottom of this section states: '⚠️ Storage retention via diagnostic settings is being deprecated and new rules can no longer be configured. To maintain your existing retention rules please migrate to Azure Storage Lifecycle Management by September 30th 2025. [What do I need to do?](#)' In the 'Destination details' section, 'Send to Log Analytics workspace' is checked. It shows a 'Subscription' dropdown set to 'Free Trial' and a 'Log Analytics workspace' dropdown set to 'projectmonitor (eastus)'. There are also two unchecked checkboxes: 'Archive to a storage account' and 'Forward to an event hub'. At the bottom, the location is set to 'East US'. The status bar at the bottom of the screen shows various system icons and the date/time '1:42 PM 9/8/2023'.

# Now save the configuration and updating diagnostics



# Updating the diagnostics

The screenshot shows the Microsoft Azure Diagnostic setting update blade. The URL in the browser is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSettings](https://portal.azure.com/#view/Microsoft_Azure_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSettings). The page title is "Diagnostic setting - Microsoft Azure". The user is signed in as "bindubiju81@outlook.com".

**Diagnostic setting**

Diagnostic setting name: HODiag

**Logs**

Category groups:  allLogs

Categories:

- Network Security Group Event
- Network Security Group Rule Counter

**Destination details**

Send to Log Analytics workspace

Subscription: Free Trial

Log Analytics workspace: projectmonitor (eastus)

Archive to a storage account

Showing all storage accounts including classic storage accounts

Location: East US

Subscription: Free Trial

**Notifications**

More events in the activity log → Dismiss all

Updating diagnostics

Successfully updated diagnostics for 'HeadVM-nsg'. a few seconds ago

At the bottom, there is a search bar "Type here to search" and a taskbar with various icons.

# Repeat the same previous step and enabling the diagnostics

The screenshot shows the 'Diagnostic setting' configuration page in the Microsoft Azure portal. The URL in the browser is [https://portal.azure.com/#view/Microsoft\\_Azure\\_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSetting](https://portal.azure.com/#view/Microsoft_Azure_Monitoring/ServiceDiagnosticsSettingsUpdateBlade/diagnosticsSetting). The page title is 'Diagnostic setting - Microsoft Azure'. The top navigation bar includes 'Microsoft Azure', a search bar, and user information.

The main section is titled 'Diagnostic setting' with a sub-section 'HODiag'. Below this, there are buttons for 'Save', 'Discard', 'Delete', and 'Feedback'.

**Metrics** section:

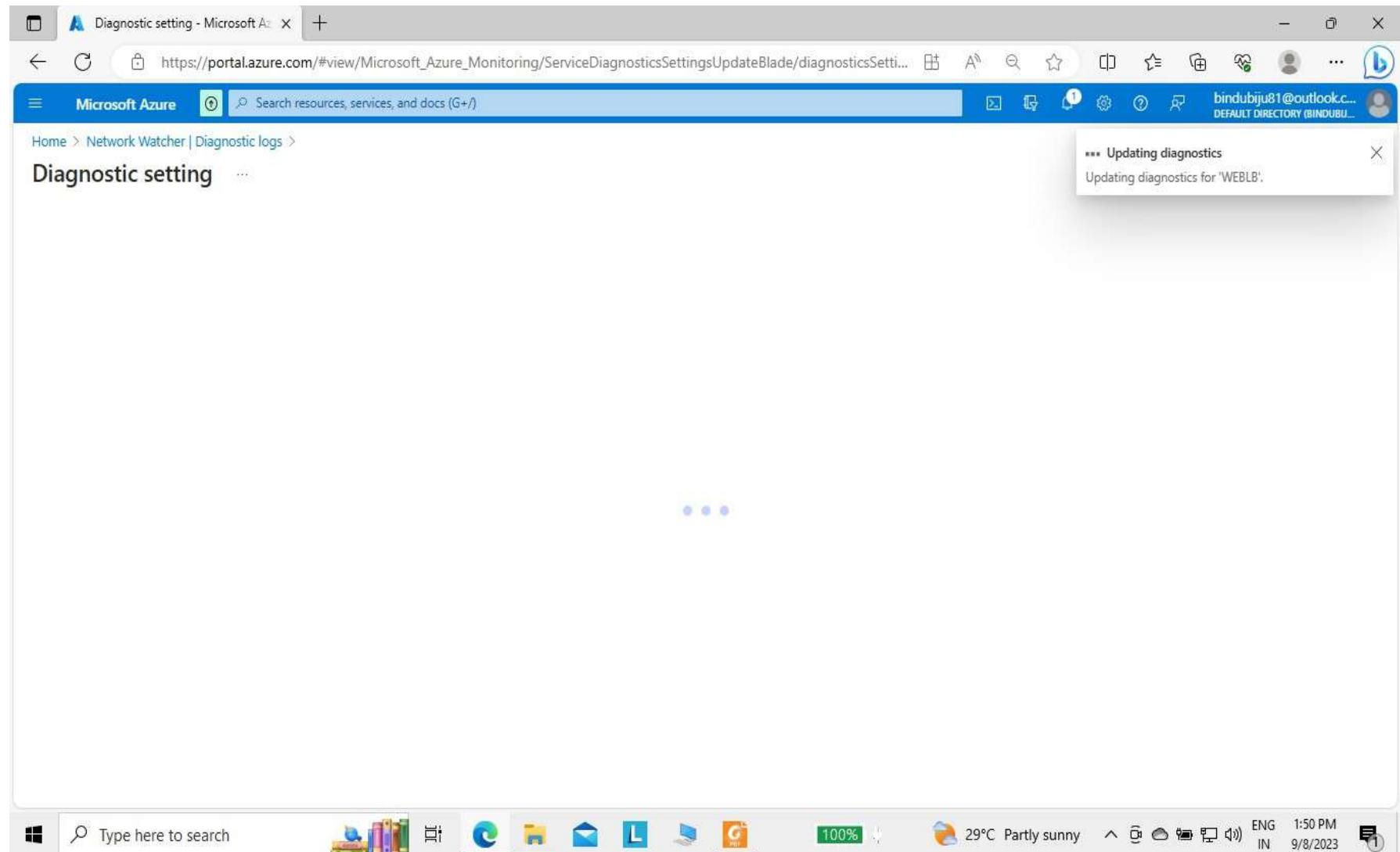
- Diagnostic setting name: HODiag
- Metrics selected: AllMetrics
- A warning message: '⚠️ Storage retention via diagnostic settings is being deprecated and new rules can no longer be configured. To maintain your existing retention rules please migrate to Azure Storage Lifecycle Management by September 30th 2025. [What do I need to do?](#)'

**Destination details** section:

- Send to Log Analytics workspace
- Subscription: Free Trial
- Log Analytics workspace: projectmonitor (eastus)
- Archive to a storage account
  - Information: 'You'll be charged normal data rates for storage and transactions when you send diagnostics to a storage account.'
  - Information: 'Showing all storage accounts including classic storage accounts'
- Location: South Central US
- Subscription: Free Trial

The taskbar at the bottom of the screen shows various pinned icons and system status information, including the date (9/8/2023), time (1:49 PM), and location (29°C Partly sunny).

# Now updating the diagnostics



Repeat the previous step and following all tools and finally look like page just below

The screenshot shows the Microsoft Azure Network Watcher Diagnostic logs interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a user profile. The main content area is titled "Network Watcher | Diagnostic logs". On the left, there's a sidebar with sections for "Network diagnostic tools" (IP flow verify, NSG diagnostics, Next hop, Effective security rules, VPN troubleshoot, Packet capture, Connection troubleshoot), "Metrics" (Usage + quotas), "Logs" (Flow logs, Diagnostic logs, Traffic Analytics), and a "Search" bar. The main pane displays a table of resources with the following columns: Name, Resource type, Resource group, and Diagnostics status. The table lists 10 resources, all of which have their "Diagnostics status" set to "Enabled".

Name	Resource type	Resource group	Diagnostics status
headvm792	Network interface	Headoffice	Enabled
HeadVM-nsg	Network security group	Headoffice	Enabled
WEBLB	Load balancer	Siteoffice2	Enabled
sql445	Network interface	Siteoffice2	Enabled
web1287	Network interface	Siteoffice2	Enabled
web2601	Network interface	Siteoffice2	Enabled
AppNSG1	Network security group	Siteoffice2	Enabled
SQL-nsg	Network security group	Siteoffice2	Enabled
WEB1-nsg	Network security group	Siteoffice2	Enabled
WEB2-nsg	Network security group	Siteoffice2	Enabled

Uses of tools in making a project is :

1. Virtual Machine
2. Virtual Network
3. Azure Bastion
4. Azure Firewall
5. Resource Group
6. Virtual Network group
7. Application Security Group
8. Network Security Group
9. Network Watcher
10. Storage account