

TASK 1: Create CoreServicesVnet (Portal)

Microsoft Azure

Search resources, services, and docs (0+)

Copilot

Home > Network foundation > Virtual networks >

Create virtual network

Validation passed

Basics Security IP addresses Tags Review + create

View automation template

Basics

Subscription

Azure subscription 1

Resource Group

az104-rg4

Name

CoreServicesVnet

Region

West US 2

Security

Azure Bastion

Disabled

Azure Firewall

Disabled

Azure DDoS Network Protection

Disabled

IP addresses

Address space

10.20.0.0/16 (65,536 addresses)

Subnet

default (10.20.0.0/24) (256 addresses)

Subnet

SharedServicesSubnet (10.20.10.0/24) (256 addresses)

Subnet

DatabaseSubnet (10.20.20.0/24) (256 addresses)

Tags

Previous Next Create Download a template for automation

Give feedback

Delete Cancel Redeploy Download Refresh

✓ Your deployment is complete

Deployment name : CoreServicesVnet-1765285828877

Subscription : Azure subscription 1

Resource group : az104-rg4

Start time : 12/9/2025, 6:10:39 PM

Correlation ID : 68136fbc-0476-4755-b19b-9623319a2708

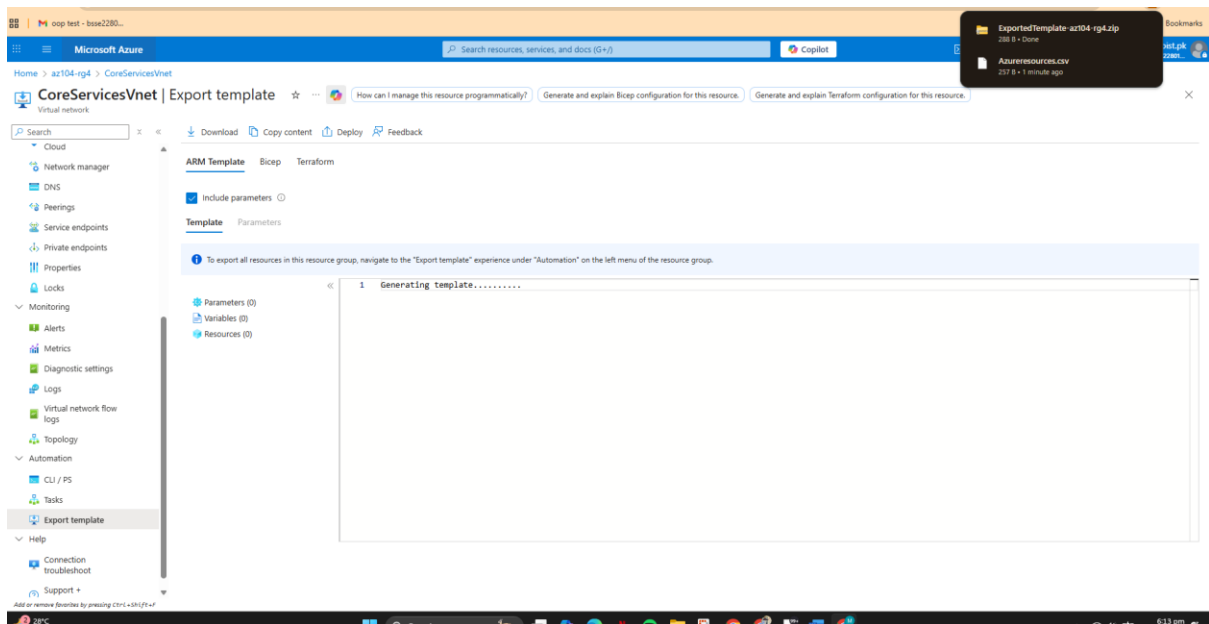
> Deployment details

✓ Next steps

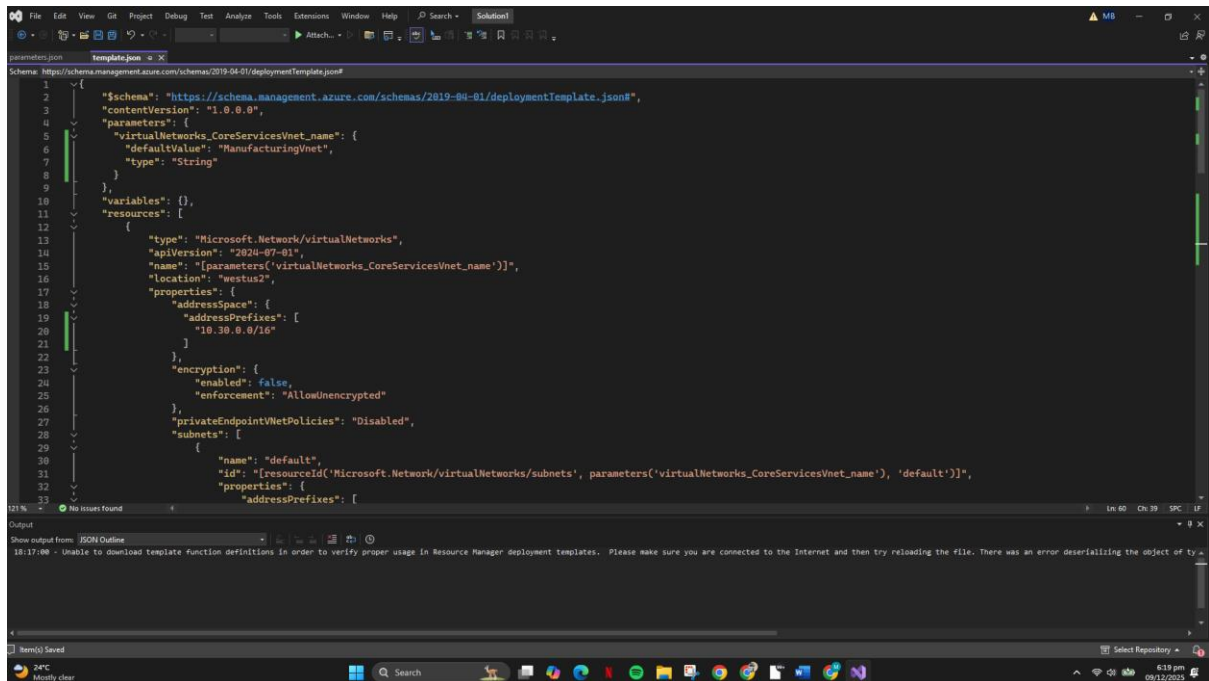
Go to resource

Give feedback

Tell us about your experience with deployment



TASK 2: Create ManufacturingVnet Using Template



TASK 3: ASG + NSG Configuration

The screenshot displays the Microsoft Azure portal interface. At the top, the header bar includes the Microsoft Azure logo, a search bar, and a Copilot button. The main content area is titled 'CreateApplicationSecurityGroupBladeViewModel | Overview'. On the left, a navigation pane shows 'Overview' as the selected tab, with other options like 'Inputs', 'Outputs', and 'Template'. The main area features a green checkmark icon and the text 'Your deployment is complete'. Below this, deployment details are listed: 'Deployment name : CreateApplicationSecurityGroupBladeViewModel', 'Subscription : Azure subscription 1', and 'Resource group : az104-rg4'. To the right, the 'Start time' is '12/9/2023, 6:34:09 PM' and the 'Correlation ID' is 'f3f5a8cb-bd5d-4328-8067-f82fa3be528f'. A 'Go to resource' button is visible. On the far right, a sidebar contains several informational cards: 'Cost management' (Get notified to stay within your budget...), 'Microsoft Defender for Cloud' (Secure your apps and infrastructure...), 'Free Microsoft tutorials' (Start learning today...), and 'Work with an expert' (Azure experts are service provider partners...).

Home > CreateApplicationSecurityGroupBladeViewModel | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : CreateApplicationSecurityGroupBladeViewModel

Subscription : Azure subscription 1

Resource group : az104-rg4

Start time : 12/9/2023, 6:34:09 PM

Correlation ID : f3f5a8cb-bd5d-4328-8067-f82fa3be528f

Deployment details

Next steps

Go to resource

Give feedback

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Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > myNSGSecure

myNSGSecure | Subnets

Network security group

Search

+ Associate

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

- Inbound security rules
- Outbound security rules
- Network interfaces
- Subnets**
- Properties
- Locks
- Monitoring
- Automation
- Help

Search subnets

Name	Address range	Virtual network
SharedServicesSubnet	10.20.10.0/24	CoreServicesVnet

Give feedback

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > myNSGSecure

myNSGSecure | Inbound security rules

Network security group

Search

+ Add

Hide default rules

Refresh

Delete

Give feedback

Filter by name

Port == all

Protocol == all

Source == all

Destination == all

Action == all

Priority	Name	Port	Protocol	Source
<input type="checkbox"/> 65000	AllowVnetInBound	Any	Any	VirtualNetwork
<input type="checkbox"/> 65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer
<input type="checkbox"/> 65500	DenyAllInBound	Any	Any	Any

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 with a higher priority is evaluated first. [Learn more](#)

Add inbound security rule

myNSGSecure

source port ranges *

Destination

Any

Service

Custom

Destination port ranges *

80,443

Protocol

☒ TCP

☐ UDP

☐ ICMPv4

☐ ICMPv6

Action

☒ Allow

☐ Deny

Priority

100

Name *

AllowASG

Description

Add

Cancel

Give feedback

Add or remove devices by pressing Ctrl+Shift+V

8:32 pm 09/12/2025

Microsoft Azure | myNSGSecure | Outbound security rules

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, but you can override them with rules that have a higher priority. [Learn more](#)

Filter by name:

Priority	Name	Port	Protocol	Source	Destination	Action
65000	AllowInetOutBound	Any	Any	VirtualNetwork	Any	Allow
65001	AllowInternetOutBound	Any	Any	Any	Any	Allow
65500	DenyAllOutBound	Any	Any	Any	Any	Deny

Add outbound security rule

Source: Any

Source port ranges: *

Destination: Service Tag

Destination service tag: Internet

Service: Custom

Destination port ranges: 8080

Protocol: Any

Action: Deny

Priority: 4096

Name:

Add Cancel Give feedback

Microsoft Azure | CreateNetworkSecurityGroupBladeV2-20251209182632 | Overview

Deployment

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name: CreateNetworkSecurityGroupBladeV2-20251209182632

Subscription: Azure subscription 1

Resource group: az104-rg4

Start time: 12/9/2025, 6:27:10 PM

Correlation ID: 8387312f-3cd7-4814-a34b-528691f749f2

Deployment details

Next steps

Go to resource

Give feedback

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TASK 4: Public & Private DNS

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > DNS zones >

Create a DNS Zone

Running final validation...

BasicsDNS Zone EditorTagsReview + Create

View automation template

Basics

SubscriptionAzure subscription 1

Resource groupaz104-rg4

Resource group locationWest US 2

NameMUB.com

DNS Zone Record Set(s)

Number of record sets0 record set(s)

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > MUB.com_1765287180632 | Overview > MUB.com

MUB.com | Recordsets

DNS zone

Search

+ Add Refresh Delete Give feedback

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Resource visualizer

Settings

DNS Management

Recordsets

DNSSEC

Monitoring

Automation

Help

A record set is a collection of records in a zone that have the same name and are the same type. You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load. [Learn more](#)

Search

Fetches 2 record set(s).

Name	Type	TTL	Value
@	NS	172800	ns1-07.azure-dns.com, ns2-07.azure-dns.net, ns3-07.azure-dns.org, ns4-07.azure-dns.info.
@	SOA	3600	Email: azure-dns-hostmaster.microsoft.com, Host: ns1-07.azure-dns.com, Refresh: 3600, Expire: 2419200, Minimum TTL: 300, Serial number: 1

Add record set

MUB.com

Name

www

Type

A - IPv4 Address records

Alias record set

No

TTL

1

TTL unit

Hours

IP address

10.1.1.4

0.0.0.0

Add Cancel Give feedback

```
C:\Users\PC>nslookup www.MUB.com
Server: UnKnown
Address: fe80::1
```

```
Non-authoritative answer:
Name: www.MUB.com
Addresses: 13.248.169.48
          76.223.54.146
```

```
C:\Users\PC>
```

Microsoft Azure

Search resources, services, and docs (0/17)

Copilot

Home > Private DNS zones >

Create Private DNS Zone

Running final validation...

BasicsPrivate DNS Zone EditorVirtual Network LinksTagsReview + Create

View automation template

Basics

Subscription: Azure subscription 1

Resource group: az104-rg4

Resource group location: West US 2

Name: private.MUB.com

DNS Zone Record Set(s)

Number of record sets: 0 record set(s)

Virtual network link(s)

Number of Virtual Network Links: 0 virtual network link(s)

Microsoft Azure

Search resources, services, and docs (0/17)

Copilot

Home >

private.MUB.com_1765287366875 | Overview

Deployment

Search

OverviewInputsOutputsTemplate

✓ Your deployment is complete

Deployment name : private.MUB.com_1765287366875

Subscription : Azure subscription 1

Resource group : az104-rg4

Start time : 12/9/2025, 6:36:18 PM

Correlation ID : f5c727bc-d609-41e1-be72-44c17e8acdcd

> Deployment details

> Next steps

Go to resource

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