



Lab 2 8921  
By Trevor Kutto

**Allowed locations** ...

Policy definition

Assign policy Edit definition Duplicate definition Select version Delete definition

Essentials

Name	: Allowed locations	Definition location	:	..
Version	: 1.0.0	Definition ID	:	/providers/Microsoft.Authorization/policyDefinitions/e56962a6-4747-49cd-b67b...
Description	: This policy enables you to restrict the locations your organization can specify whe...	Type	:	Built-in
Available Effects	: Deny	Mode	:	Indexed
Category	: General			

Definition Assignments (0) Parameters (1)

```

1 {
2   "properties": {
3     "displayName": "Allowed locations",
4     "policyType": "BuiltIn",
5     "mode": "Indexed",
6     "description": "This policy enables you to restrict the locations your organization can specify when deploying resources. Use to enforce your geo-compliance requirement",
7     "metadata": {
8       "version": "1.0.0",
9       "category": "General"
10    },
11    "version": "1.0.0",
12  }

```

Creation of the allowed location policy above is shown

**Create a virtual machine** ...

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 \* ⓘ Azure for Students

Resource group \* ⓘ policy [Create new](#)

**Instance details**

Virtual machine name \* ⓘ policytest

Region \* ⓘ (US) East US Deploy to an Azure Extended Zone

This policy maintains a set of best available regions where your subscription can deploy resources. The objective of this policy is to ensure that your subscription has full access to Azure services with optimal performance. Should you need additional or different regions, contact support.

Availability options ⓘ Availability zone

< Previous Next : Disks > **Review + create**

The policy is enforced for this instance and no resource can be created here unless it is Canada Central and it gives us a warning if we try continue and do this thus showing enforcement of the policy

# Create virtual network

X

Validation passed

Basics Security IP addresses Tags **Review + create**

[View automation template](#)

## Basics

Subscription	Azure for Students
Resource Group	policy
Name	policyVN
Region	Canada Central

## Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

## IP addresses

The screenshot shows the Azure portal interface for a virtual network named 'policyVN'. The top navigation bar includes 'Review + create' (underlined), 'Basics', 'Security', 'IP addresses', 'Tags', and a three-dot menu. A green banner at the top left indicates 'Validation passed'. Below the banner, the 'Basics' section displays configuration details: Subscription (Azure for Students), Resource Group (policy), Name (policyVN), and Region (Canada Central). The 'Security' section shows Azure Bastion, Azure Firewall, and Azure DDoS Network Protection all set to 'Disabled'. The 'IP addresses' section is visible below. On the right, the main content area shows the 'Overview' tab selected under 'Essentials'. Key details listed include: Resource group (... : policy), Location (move) : Canada Central, Subscription (...) : Azure for Students, Subscription ID : acc96d9d-e040-48a5-9191-cd80276cb66d, Address space : 10.0.0.0/16, Subnets : 1 subnet, DNS servers : Azure provided DNS service, BGP community s... : Configure, Virtual network ID : 26477f30-4cc6-4341-a241-9dce23cbe884, and Tags (edit) : Add tags. Navigation tabs at the bottom include Topology, Properties, Capabilities (5) (underlined), and Recommendations. A 'Tutorials' link is also present.

The virtual network is created and follows the policy we enforced in canada central

Public subnets and private subnets created as shown above on the virtual network made

Outbound security rules after creation of the private subnet nsg

Allowing of RDP in the inbound rules is created above

The screenshot shows the Microsoft Azure Storage account overview for 'kuttopolicy'. The account was created on 1/21/2026 at 2:23:49 AM. It is located in Canada Central and uses Read-access geo-redundant storage (RA-GRS). The account kind is StorageV2 (general purpose v2) and the provisioning state is Succeeded. The blob service has the following settings:

Setting	Value
Hierarchical namespace	Disabled
Default access tier	Hot
Blob anonymous access	Disabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	Disabled

The security section shows:

Setting	Value
Require secure transfer for REST API operations	Enabled
Storage account key access	Enabled
Minimum TLS version	Version 1.2
Infrastructure encryption	Disabled

Storage account created successfully

The screenshot shows the 'Create a virtual machine' wizard. Validation passed. The configuration details are as follows:

Setting	Value
Subscription	Azure for Students
Resource group	policy
Virtual machine name	Vm-private
Region	Canada Central
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2022 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	kutt0011
Already have a Windows license?	No
Azure Spot	No

Vm-private - windows overview files

 Validation passed

Subscription	Azure for Students
Resource group	policy
Virtual machine name	Vm-public
Region	Canada Central
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Windows Server 2022 Datacenter: Azure Edition - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	kutt0011
Public inbound ports	RDP

## Vm-public overview page windows

Basics   Advanced   Tags   **Review + create**

### Summary

#### Basics

Name	kutt0011bastion
Subscription	Azure for Students
Resource group	policy
Region	Canada Central
Availability zone	1, 2, 3
Virtual network	policyVN (policy)
Tier	Standard
Subnets	AzureBastionSubnet
Public IPv4 address	policyVN-IPv4
Instance count	2
Copy and paste	Enabled
IP-based connection	Disabled
Kerberos authentication	Disabled
Shareable Link	Disabled
Session recording	Disabled
Native client support	Disabled
Private Bastion	Disabled

```

Select Administrator: Windows PowerShell

on
+ FullyQualifiedErrorId : CouldNotMapNetworkDrive,Microsoft.PowerShell.Commands.NewPSDriveCommand

PS C:\Users\kutt001> $key = @{
>     String = "<z1T/ZifIrrDIJ9knksROHpWoqYn8pGPfBaO2c8wot0VR9ELAHSQWyt+c+4+h9vLZ7fPjsbSeC
>R+AStvmAQ==>"
> }
> $acctKey = ConvertTo-SecureString @key -AsPlainText -Force
>
> $cred = @{
>     ArgumentList = "Azure\<kuttopolicy>", $acctKey
> }
> $credential = New-Object System.Management.Automation.PSCredential @cred
>
> $map = @{
>     Name = "Z"
>     PSProvider = "FileSystem"
>     Root = "\\<kuttopolicy>.file.core.windows.net\kuttopolicy"
>     Credential = $credential
> }

```

Denied request

### Delete a resource group

The following resource group and all its dependent resources will be permanently deleted.

**Resource group to be deleted**

[policy] policy

**14 resources being deleted across 1 subscriptions, 2 resource groups**  
All dependent resources, including hidden types, are shown

Name	Resource type	Subscription	Resource Group
kuttopolicy	Storage account	Azure for Students	policy
policyVN	Virtual network	Azure for Students	policy
policyVN-bastion	Bastion	Azure for Students	policy
policyVN-IPv4	Public IP address	Azure for Students	policy
Private-subnet-nsg	Network security group	Azure for Students	policy

Apply force delete for selected Virtual machines and Virtual machine scale sets [\(i\)](#)

Enter resource group name to confirm deletion \*

**Delete** **Cancel**

Cleanup of files and policy plus all other resources