

Introduction to Cloud Computing

LAB 10

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BS-SE 7B

Task 1: Create a Policy assignment

Microsoft Azure

Search resources, services, and docs (G+)

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Home > Policy

Policy | Definitions

Search

Filter by name or ID...

Scope: Azure for Students

Definition type: All definition types

Policy type: All policy types

Category: Compute

Name	Latest version	Definition location	Policy type	Type	Definition type	Category
Audit virtual machines without disaster recovery configuration	1.0.0		Built-in	Policy	Compute	...
Audit VMs that do not use managed disks	1.0.0		Built-in	Policy	Compute	...
Virtual machines should be migrated to new Azure Resource Manager	1.0.0		Built-in	Policy	Compute	...
Deploy default Microsoft IaaS Antimalware extension for Windows VMs	1.1.0		Built-in	Policy	Compute	...
Require automatic OS image patching on Virtual Machines	1.0.0		Built-in	Policy	Compute	...
Configure disk access resources with private endpoints	1.0.0		Built-in	Policy	Compute	...
OS and data disks should be encrypted with a customer-managed key	3.0.0		Built-in	Policy	Compute	...
Managed disks should disable public network access	2.1.0		Built-in	Policy	Compute	...
Configure managed disks to disable public network access	2.0.0		Built-in	Policy	Compute	...
Microsoft IaaS Antimalware extension should be deployed on Windows VMs	1.1.0		Built-in	Policy	Compute	...
Configure disaster recovery on virtual machines by enabling backup	2.1.1		Built-in	Policy	Compute	...

Give feedback

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Home > Policy | Definitions

Allowed virtual machine size SKUs

Policy definition

Assign policy Edit definition Duplicate definition Select version (preview) Delete definition

Essentials

Name: Allowed virtual machine size SKUs

Version (preview): 1.0.1

Description: This policy enables you to specify a set of virtual machine size SKUs that your organization can deploy.

Available Effects: Deny

Category: Compute

Definition location: --

Definition ID: /providers/Microsoft.Authorization/policyDefinitions/cccc23c7-8427-4f53-ad12-b...

Type: Built-in

Mode: Indexed

Definition

Assignments (0)

Parameters (1)

```
1 {
2   "properties": {
3     "displayName": "Allowed virtual machine size SKUs",
4     "policyType": "BuiltIn",
5     "mode": "Indexed",
6     "description": "This policy enables you to specify a set of virtual machine size SKUs that your organization can deploy.",
7     "metadata": {
8       "version": "1.0.1",
9       "category": "Compute"
10    },
11    "version": "1.0.1",
12    "parameters": {
13      "listOfAllowedSKUs": {
14        "type": "Array",
15        "defaultValue": []
16      }
17    }
18  }
19 }
```

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Home > Policy | Assignments >

Assign policy

Basics

Parameters

Remediation

Non-compliance messages

Review + create

Scope

Scope *

Exclusions

Resource selectors (Expand)

Basics

Policy definition *

Overrides (Expand)

Assignment name *

Description

Policy enforcement

Next

Review + create

Available Definitions

Allowed locations

Policy type: All policy types

Category: All categories

Policy name	Latest version (pr...	Category	Type
Azure Cosmos DB allowed locations	1.1.0	Cosmos DB	Builtin
Allowed locations	1.0.0	General	Builtin
Allowed locations for resource groups	1.0.0	General	Builtin

1 out of 1 policies selected

AddCancel

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Home > Policy

Policy | Assignments

Search

Assign policy

Assign initiative

Refresh

Overview

Compliance

Remediation

Events

Authoring

Definitions

Assignments

Machine Configuration

Exemptions

Search

Filter by name or ID...

Scope: Azure for Students

Definition type: All definition types

Total Assignments 4

Initiative Assignments 1

Policy Assignments 3

Edit columns

Export to CSV

Assignment name	Scope	Type
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 504b0a3b-5612-41db-b87d-61c0d67009e3)	Azure for Students	Initiative
Require a tag and its value on resource groups	Azure for Students	Policy
Allowed locations	Azure for Students	Policy

https://portal.azure.com/#using Ctrl+Shift+F

Task 2: Test Allowed location policy

Microsoft Azure

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Home > Storage center | Blob Storage >

Create a storage account

Validation failed. Required information is missing or not valid.

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + create

Resource 'myRGPolicy' was disallowed by policy. Policy identifiers: [{"policyAssignment":{"name":"Require a tag and its value on resource groups","id":"/subscriptions/504b0a3b-5612-41db-b87d-61c0d67009e3/providers/Microsoft.Authorization/policyAssignments/322edf32df44d8ba27ff1b41"},"policyDefinition":{"name":"Require a tag and its value on resource groups","id":"/providers/Microsoft.Authorization/policyDefinitions/8ce3da23-7156-49e4-b145-24f95f9dcb46"},"version":"1.0.0"}].

Basics

Subscription	Azure for Students
Resource group	myRGPolicy
Location	Central India
Storage account name	storageaccount697
Preferred storage type	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled

Previous

Next

Create

Give feedback

Task 3: Delete the policy assignment

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Home > Policy | Assignments >

Allowed locations

Policy Assignment

Edit assignmentDelete assignmentDuplicate assignmentView complianceView definitionCreate exemptionCreate remediation task

Essentials

Name	: Allowed locations	Scope	: Azure for Students
Definition version (preview)	: 1.*	Excluded scopes	: --
Description	: --	Definition type	: Policy
Assignment ID	: /subscriptions/504b0a3b-5612-41db-b87d-61c0d67009e3/providers/microsoft.aut...	Policy enforcement	: Default
Assigned by	: --		

Parameters (1)

Resource selectors (0)Overrides (0)Exemptions (0)Remediation (0)Deployed resourcesManaged Identity

Search by parameter name

All types

Edit columns

Parameter ID	Parameter name	Parameter value	Policy assignment parameter reference type
listOfAllowedLocations	Allowed locations	["japanwest"]	User defined parameter

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DEFAULT DIRECTORY

Home > Policy

Policy | Assignments

Search

Assign policy Assign initiative Refresh

Search

Filter by name or ID...

Scope : Azure for Students

Definition type : All definition types

Total Assignments 3

Initiative Assignments 1

Policy Assignments 2

Edit columns Export to CSV

Assignment name	Scope	Type
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 504b0a3b-5612-41db-b87d-61c0d67009e3)	Azure for Students	Initiative
Require a tag and its value on resource groups	Azure for Students	Policy

Give feedback

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Home > storageaccount497_1762421596598 | Overview

storageaccount497
Storage account

Help me write an LCM rule for this storage account Improve storage account data protection Prevent unauthorized access to this storage account

Search

Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Storage Mover

Partner solutions

Resource visualizer

Data storage

Security + networking

Data management

Settings

Monitoring

Monitoring (classic)

Essentials

JSON View

Resource group (move) : rg3

Location : centralindia

Primary/Secondary Loca... : Primary: Loading... Secondary: Loading...

Subscription (move) : Azure for Students

Subscription ID : db878fcc-8781-42d0-a61d-55de3d976446

Disk state : Primary: Available, Secondary: Available

Tags (edit) : Company : Contoso

Performance : Standard

Replication : Read-access geo-redundant storage (RA-GRS)

Account kind : StorageV2 (general purpose v2)

Provisioning state : Succeeded

Created : 06/11/2025, 14:33:35

Properties Monitoring Capabilities (0) Recommendations (0) Tutorials Tools + SDKs

Blob service

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

Change feed Disabled

NFS v3 Disabled

Security

Require secure transfer for REST API operations Enabled

Storage account key access Enabled

Minimum TLS version Version 1.2

Infrastructure encryption Disabled

Networking

Public network access Enabled

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