



Intro to Devops

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Lab-10 Create Azure Policy

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Task 1: Create a Policy Assignment

Microsoft Azure | Upgrade | Search resources, services, and docs (G+/I) | Copilot | arali.devops@outlook.c... | DEFAULT DIRECTORY (ARAUDEV...)

Home > Policy

Policy | Definitions

Search

Filter by name or ID... Scope: Azure subscription 1 Definition type: All definition types Policy type: All policy types Category: All categories

The maximum number of definitions that can be displayed are shown, and some definitions might not be visible. Please use filters to narrow down your selection.

Edit columns

Name	Latest ver...	Definition location	Po...	Type	Definitio...	Category
CIS Azure Foundations v2.1.0	1.0.0		31	BuiltIn	Initiative	Regulatory Complia...
Canada Federal PBMM 3-1-2020	1.0.0		209	BuiltIn	Initiative	Regulatory Complia...
Enable Azure Monitor for VMSS with Azure Moni	1.2.0		7	BuiltIn	Initiative	Monitoring
Enable audit category group resource logging fo	1.1.0		69	BuiltIn	Initiative	Monitoring
ISO/IEC 27017 2015	1.0.0		102	BuiltIn	Initiative	Regulatory Complia...
Audit Public Network Access	4.2.0		35	BuiltIn	Initiative	SDN
Configure Microsoft Defender for Cloud plans	1.0.0		11	BuiltIn	Initiative	Security Center
APRA CPS 234 2019	1.0.0		18	BuiltIn	Initiative	Regulatory Complia...

Home > Policy | Definitions >

Allowed virtual machine size SKUs

Policy definition

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

Category : Compute

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        "metadata": {
16          "description": "The list of size SKUs that can be specified for virtual machines.",
17          "displayName": "Allowed Size SKUs",
18          "strongType": "VMSKUs"
19        }
16
```

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Copilot

Home > Policy

Policy | Assignments

...

Search

Assign policy

Assign initiative

Refresh

Overview

Getting started

Compliance

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Search

Filter by name or ID...

Scope : Azure subscription 1

Definition type : All definition types

Total Assignments

1

Initiative Assignments

1

Policy Assignments

0

Assignment name

Scope

Type

ASC Default (subscription: 3ada6c5a-382c-44a7-9d9d-5775bdda4908)

Azure subscription 1

Initiative

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Home > Policy | Assignments >

Assign policy

Basics

Parameters

Remediation

Non-compliance messages

Review + create

Scope

Scope *

Azure subscription 1

Learn more about setting the scope

Exclusions

Optionally select resources to exclude from the policy assignment.

Resource selectors

Expand

Using resource selectors, you can further refine this assignment's applicability by targeting specific subsets of resources. Expand to learn more.

Basics

Policy definition *

Allowed locations

Version (preview) *

1.*

Overrides

Expand

Using overrides, you can change the effects or referenced versions of definitions for all or a subset of resources evaluated by this assignment. Expand to learn more.

Assignment name *

Allowed locations

Assign policy ...

Basics

Parameters

Remediation

Non-compliance messages

Review + create

☒ Only show parameters that need input or review

Allowed locations *

Japan West

Assign policy ...

Basics

Parameters

Remediation

Non-compliance messages

Review + create

Policy definition

Allowed locations

Assignment name

Allowed locations

Version (preview)

1.*.*

Description

--

Policy enforcement

Enabled

Assigned by

Ar Ali

Advanced

Resource selectors

No selectors associated with this assignment.

Overrides

No overrides associated with this assignment.

Parameters

Allowed locations

["japanwest"]

Remediation

Create a Managed Identity

No managed identity associated with this assignment.

Non-compliance messages

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

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Search
Filter by name or ID... Scope: Azure subscription 1 Definition type: All definition types

Total Assignments 2 Initiative Assignments 1 Policy Assignments 1

Assignment name	Scope	Type
ASC Default (subscription: 3ada6c5a-382c-44a7-9d9d-5775bdda4908)	Azure subscription 1	Initiative
Allowed locations	Azure subscription 1	Policy

Task 2: Test Allowed location policy

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

Home > Storage accounts >

Create a storage account

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription * Azure subscription 1

Resource group * (New) myRGPolicy
[Create new](#)

Instance details

Storage account name * ① storageaccount2212284

Region * ① (US) East US
[Deploy to an Azure Extended Zone](#)
✖ Allowed locations (Policy details)

Primary service ① Select a primary service

Performance * ① ☒ Standard: Recommended for most scenarios (general-purpose v2 account)
☐ Premium: Recommended for scenarios that require low latency.

Redundancy * ① Locally-redundant storage (LRS)

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Create a storage account ...

Validation failed. Required information is missing or not valid.

- ✖ Basics
- Advanced
- Networking
- Data protection
- Encryption
- Tags
- Review + create

Basics

Subscription	Azure subscription 1
Resource group	myRGPolicy
Location	East US
Storage account name	storageaccount2212284
Primary service	
Performance	Standard
Replication	Locally-redundant storage (LRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot

Task 3: Delete the policy assignment

Home > Policy | Assignments >

Allowed locations ...

Policy Assignment

- Edit assignment
- Delete assignment
- Duplicate assignment
- View compliance
- View definition
- Create exemption
- Create remediation task

Essentials

Name	: Allowed locations	Scope	: Azure subscription 1
Definition version (preview)	: 1.*.*	Excluded scopes	: --
Description	: --	Definition type	: Policy
Assignment ID	: /subscriptions/3ada6c5a-382c-44a7-9d9d-5775bdda4908/providers/microsoft.aut...	Policy enforcement	: Default
Assigned by	: --		

- Parameters (1)
- Resource selectors (0)
- Overrides (0)
- Exemptions (0)
- Remediation (0)

Search by parameter name

All types

Delete assignment

Do you want to delete the policy assignment 'Allowed locations'?

Yes

No

Parameter ID ↕	Parameter name ↕	Parameter value ↕	Policy a:
listOfAllowedLocations	Allowed locations	["japanwest"]	User del

Home > Policy

Policy | Assignments

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Search
Filter by name or ID...

Scope: Azure subscription 1 Definition type: All definition types

Total Assignments 1 Initiative Assignments 1 Policy Assignments 0

Assignment name ↑	Scope ↑	Type ↑
ASC Default (subscription: 3ada6c5a-382c-44a7-9d9d-5775bdda4908)	Azure subscription 1	Initiative

Ensuring that the policy is no longer in effect by creating a storage account.

Home > Storage accounts >

Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

[View automation template](#)

Basics

Subscription	Azure subscription 1
Resource group	myRGPolicy
Location	East US
Storage account name	storageaccount221284
Primary service	
Performance	Standard
Replication	Locally-redundant storage (LRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable large file shares	Enabled

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