

Introduction To Cloud Computing

LAB 09

Name: Misha Sohail

ID: 2280149

BS-SE 7B

Task 1: Create a Policy assignment

The screenshot shows the Microsoft Azure Policy Compliance page. The left sidebar contains a search bar and a navigation menu with the following items: Overview, Compliance, Remediation, Events, Authoring (expanded), Definitions, Assignments, Machine Configuration, and Exemptions. The main content area displays two donut charts. The 'Policy Compliance' chart shows 213 compliant (green) and 15 non-compliant (red) resources, with a total of 228. The 'Initiative Compliance' chart shows 0 compliant (green) and 1 non-compliant (red) initiative, with a total of 1. On the right, there is a list of policy definitions: 'Inherit tags from Resource Group' (Automated inheritance of tags from Resource Group to resources), 'Require tag on Resource Group' (Enforce existence of a tag on Resource Group), 'Not allowed resource types' (Block the creation of specified resource types), and 'Audit Windows VMs for security' (Deploy security baselines for Windows VMs). At the bottom, there is a 'Give feedback' link.

The screenshot shows the Microsoft Azure Policy Assignments page. The left sidebar is identical to the previous screenshot. The main content area has a search bar and filters for 'Scope: Azure for Students' and 'Definition type: All definition types'. It displays three counts: Total Assignments (2), Initiative Assignments (1), and Policy Assignments (1). Below these counts is a table with the following columns: Assignment name, Scope, and Type. The table contains two rows of data.

Assignment name	Scope	Type
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 504b0a3b-5612-41db-b87d-61c0d67009e3)	Azure for Students	Initiative

At the bottom right of the table, there are buttons for 'Edit columns' and 'Export to CSV'. At the bottom of the page, there is a 'Give feedback' link and a timestamp of 6:08 AM.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > Policy | Assignments >

Assign policy

Basics

Parameters

Remediation

Non-compliance

Scope

Scope *

Exclusions

Resource selectors (Expand)

Basics

Policy definition *

Previous

Next

Review + create

Available Definitions

tag

Policy type : All policy types

Category : All categories

Policy name ↑↓	Latest version (pr... ↑↓	Category ↑↓	Type ↑↓
[Preview]: Azure Cache for Redis should be Zone Re...	1.1.0-preview	Resilience	BuiltIn
Virtual machines should be migrated to new Azure ...	1.0.0	Compute	BuiltIn
<input checked="" type="checkbox"/> Require a tag and its value on resources	1.0.1	Tags	BuiltIn
Configure Function apps to use the latest TLS version	1.3.0	App Service	BuiltIn
Append a tag and its value to resources	1.0.1	Tags	BuiltIn
Configure backup on virtual machines with a given t...	9.4.0	Backup	BuiltIn
Requires resources to not have a specific tag. This is...	2.0.1	BuiltInPolicyTest	BuiltIn
Storage accounts should be migrated to new Azure ...	1.0.0	Storage	BuiltIn
[Preview]: Azure Cache for Redis Enterprise & Flash ...	1.0.0-preview	Resilience	BuiltIn

1 out of 1 policies selected

Add

Cancel

Give feedback

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Home > Policy | Assignments >

Assign policy

Basics

Parameters

Remediation

Non-compliance messages

Review + create

Basics

Scope

Exclusions

Policy definition

Assignment name

Version (preview)

Description

Policy enforcement

Assigned by

Previous

Next

Create

Review + create

Basics

Scope

Exclusions

Policy definition

Assignment name

Version (preview)

Description

Policy enforcement

Assigned by

Previous

Next

Create

Microsoft Azure | Search resources, services, and docs (G+/I) | Copilot | bsse2280149@szabist.pk | DEFAULT DIRECTORY (BSSE22801...)

Home > Policy

Policy | Assignments

Search

Overview
Compliance
Remediation
Events
Authoring
Definitions
Assignments
Machine Configuration
Exemptions

Total Assignments ①
3

Initiative Assignments ①
1

Policy Assignments ①
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	...

Add or remove favorites by pressing Ctrl+L+Shift+F

Give feedback

Task 2: Create a storage account to test the required tagging:

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All services > Storage center | Blob Storage >

Create a storage account

Instance details

Storage account name * ①
storageaccountmi44

Region * ①
(Asia Pacific) Central India
[Deploy to an Azure Extended Zone](#)

Preferred storage type
Choose preferred storage type
i This helps us provide relevant guidance. It doesn't restrict your storage to this resource type. [Learn more](#)

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)

Previous | Next | **Review + create**

Give feedback

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DEFAULT DIRECTORY (BSSE22801...

All services > Storage center | Blob Storage >

Create a storage account

Validation failed. Required information is missing or not valid.

Subscription	Azure for Students
Resource group	Lab9-rg
Location	Central India
Storage account name	storageaccountmi44
Preferred storage type	
Performance	Standard
Replication	Locally-redundant storage (LRS)
Advanced	
Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled

Previous

Next

Create

Give feedback

Microsoft Azure

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DEFAULT DIRECTORY (BSSE22801...

All services > Storage center | Blob Storage >

Create a storage account

BasicsAdvancedNetworkingData protectionEncryptionTagsReview + create

Name	Value	Resource
Company	Contoso	All resources selected
		All resources selected

Give feedback

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: storageaccountosama01_17...

Subscription: Azure for Students

Resource group: Lab09-RG

Start time: 10/30/2025, 7:54:58 PM

Correlation ID: 76e7b615-7f73-41ba-bbf4-67457e6

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Microsoft Azure

Search resources, services, and docs (G+/)

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All services > Resource Manager | Tags

Default Directory

Search

RefreshFeedback

Resource Manager

All resources

Favorite resources

Recent resources

Resource groups

Tags

Organization

Service groups

Management groups

Subscriptions

Tools

Resource graph explorer

Resource graph queries

Resource visualizer

Resource explorer

ARM API playground

Resource mover

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Tag names are case insensitive, but tag values are case sensitive. [Learn more about tags](#)?

Filter items...

Tags

Company: Contoso

Resources with tag Company: Contoso

Default Directory (bsse2280155@szabist.onmicrosoft.com)

Manage viewRefreshExport to CSVOpen queryAssign tags

Filter for any field...

Subscription equals allType equals allAdd filter

0 Unsecure resources0 Recommendations1 Changed resourcesNo grouping

List view

Name	Type	Resource group	Location	Subscription
storageaccount497	Storage account	rg3	Central India	Azure for Students

PreviousPage 1 of 1NextShowing 1 to 1 of 1 records

Give feedback

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Search resources, services, and docs (G+/)

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All services > Policy | Assignments

Require a tag and its value on resources

Policy Assignment

Edit assignmentDelete assignmentDuplicate assignmentView complianceView definitionCreate exemptionCreate remediation task

Essentials

Name: Require a tag and its value on resources

Definition version (preview): 1.*

Description: --

Assignment ID: /subscriptions/db878fcc-8781-42d0-a61d-55de3d976446/providers/microsoft.aut...

Assigned by: --

Scope: Azure for Students

Excluded scopes: --

Definition type: Policy

Policy enforcement: Default

Parameters (2)Resource selectors (0)Overrides (0)Exemptions (0)Remedia

Search by parameter name

All types

Parameter ID	Parameter name	Param	Policy assignment parameter reference type
tagName	Tag Name	"Company"	User defined parameter
tagValue	Tag Value	"Contoso"	User defined parameter

Delete assignment

Do you want to delete the policy assignment "Require a tag and its value on resources"?

YesNo

Edit columns

