

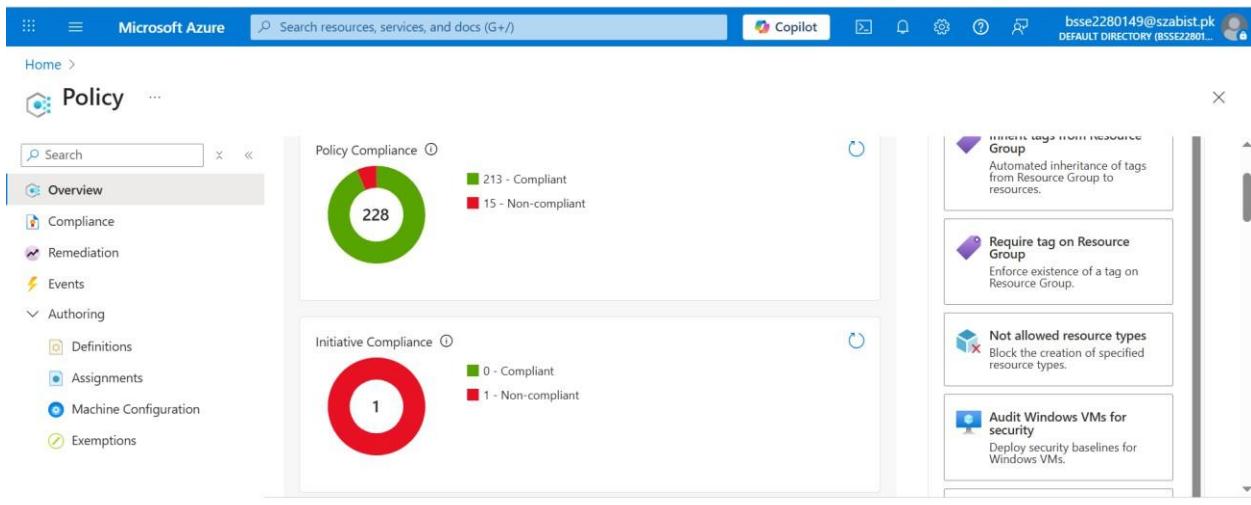
# Introduction To Cloud Computing

## LAB 09

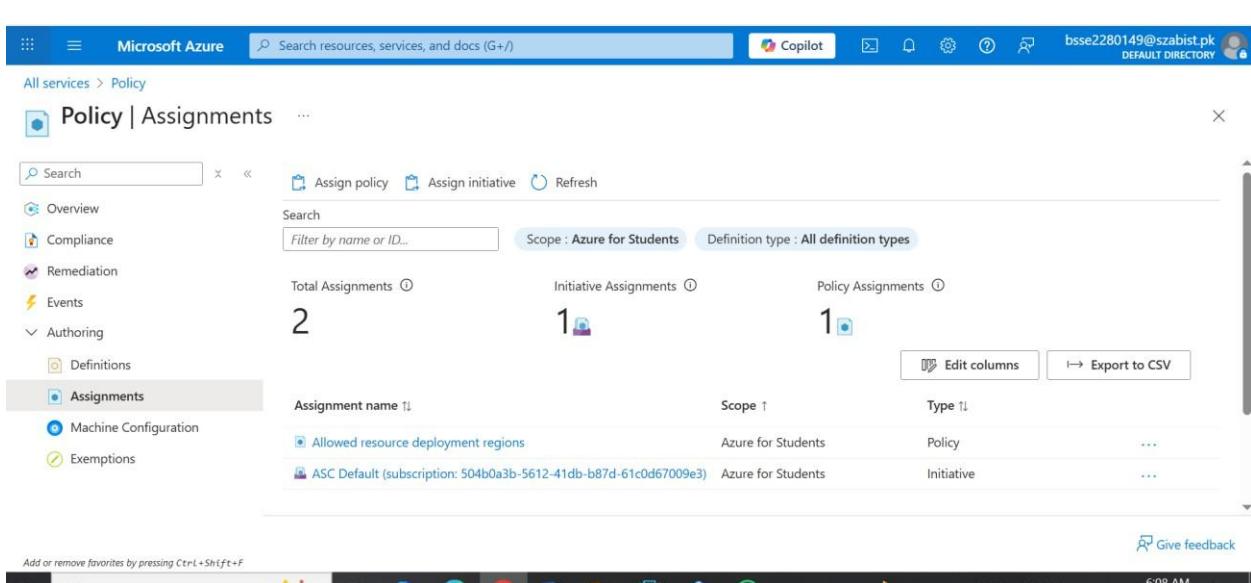
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BS-SE 7B

### Task 1: Create a Policy assignment



The screenshot shows the Microsoft Azure Policy Compliance dashboard. It features two circular dashboards: 'Policy Compliance' with 228 compliant and 15 non-compliant resources, and 'Initiative Compliance' with 1 non-compliant resource. A sidebar on the left lists navigation options like Overview, Compliance, Remediation, Events, Authoring (Definitions, Assignments, Machine Configuration, Exemptions), and a search bar.



The screenshot shows the 'Policy | Assignments' page. It displays three counts: Total Assignments (2), Initiative Assignments (1), and Policy Assignments (1). A table lists the assignments, showing 'Assignment name' (Allowed resource deployment regions, ASC Default), 'Scope' (Azure for Students, Azure for Students), and 'Type' (Policy, Initiative). The 'Assignments' option in the sidebar is selected.

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Home > Policy | Assignments > Assign policy ...

**Available Definitions**

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... (Microsoft Teams - Google Chrome)	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

Previous Next Review + create

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Home > Policy | Assignments > Assign policy ...

**Review + create**

**Basics**

Scope	Azure for Students
Exclusions	--
Policy definition	Require a tag and its value on resources
Assignment name	Require a tag and its value on resources
Version (preview)	1.*.*
Description	--
Policy enforcement	Default
Assigned by	Misha Sohail

Previous Next Create Give feedback

The screenshot shows the Microsoft Azure Policy Assignments page. On the left, there's a navigation sidebar with options like Overview, Compliance, Remediation, Events, Authoring, Definitions, and Assignments (which is selected). The main area has three sections: Total Assignments (3), Initiative Assignments (1), and Policy Assignments (2). Below these are tables for each type of assignment. The Policy Assignments table contains three rows:

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

At the bottom, there are buttons for 'Edit columns' and 'Export to CSV'. A note at the bottom left says 'Add or remove favorites by pressing Ctrl+Shift+F'.

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

The screenshot shows the 'Create a storage account' wizard, step 1: Instance details. It has sections for Storage account name, Region, Preferred storage type, and Performance. The Storage account name is 'storageaccountmi44', Region is '(Asia Pacific) Central India', Preferred storage type is 'Choose preferred storage type', and Performance is set to 'Standard: Recommended for most scenarios (general-purpose v2 account)'. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

Microsoft Azure Search resources, services, and docs (G+/) Copilot All services > Storage center | Blob Storage > Create a storage account ...

(X) 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 Search resources, services, and docs (G+/) Copilot All services > Storage center | Blob Storage > Create a storage account ...

Basics Advanced Networking Data protection Encryption Tags Review + create

Name Value Resource

Company	Contoso	All resources selected
		All resources selected

Review + create

Search X < Delete Cancel Redeploy Download Refresh

### Overview

- Inputs
- Outputs
- Template

**Your deployment is complete**

Deployment name: storageaccountosama01\_17... Start time: 10/30/2025, 7:54:58 PM  
Subscription: Azure for Students Correlation ID: 76e7b615-7f73-41ba-bbf4-67457e6...

Resource group: Lab09-RG

Deployment details

Next steps

**Go to resource**

Give feedback

Tell us about your experience with deployment

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### Resource Manager | Tags

Default Directory

Search Refresh Feedback

- 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

Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Type equals all Add filter

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

< Previous Page 1 of 1 Next > Showing 1 to 1 of 1 records.

Give feedback

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### Policy | Assignments

All services > Policy | Assignments >

Require a tag and its value on resources

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

Essentials

Name	: Require a tag and its value on resources	Scope	: Azure for Students
Definition version (preview)	: 1.0*	Excluded scopes	: --
Description	: --	Definition type	: Policy
Assignment ID	: /subscriptions/db878fcc-8781-42d0-a61d-55de3d976446/providers/microsoft.aut...	Policy enforcement	: Default
Assigned by	: --		

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

Search by parameter name All types

Delete assignment

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

Yes No

Policy assignment parameter reference type

Parameter ID	Parameter name	Param
tagName	Tag Name	"Company"
tagValue	Tag Value	"Contoso"

User defined parameter User defined parameter

Give feedback

The screenshot shows the Microsoft Azure Policy | Assignments page. On the left, there's a navigation bar with 'All services > Policy'. The main area has a search bar and buttons for 'Assign policy', 'Assign initiative', and 'Refresh'. Below the search bar are sections for 'Overview', 'Compliance', 'Remediation', 'Events', and 'Authoring'. Under 'Authoring', 'Definitions' is selected, and 'Assignments' is currently active. The main content area displays three counts: 'Total Assignments' (0), 'Initiative Assignments' (0), and 'Policy Assignments' (0). A success message box is open in the top right corner, stating 'Successfully deleted assignment' and providing a note about the change taking effect after 30 minutes.