

# Introduction to Cloud Computing

## LAB 09

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BSSE 7-B

### Task 1: Create a Policy assignment

The screenshot shows the Microsoft Azure Policy Overview page. On the left, there's a navigation sidebar with links for Overview, Compliance, Remediation, Events, and Authoring. The main area displays a 'Policy Compliance' donut chart with 228 total items, 213 compliant (green), and 15 non-compliant (red). Below it is an 'Initiative Compliance' bar chart showing 0 compliant items. To the right, there's a 'Getting started' section with three recommended assignments: 'Inherit tags from Resource Group', 'Require tag on Resource Group', and 'Not allowed resource types'. A 'Give feedback' button is at the bottom right.

The screenshot shows the Microsoft Azure Policy Assignments page. The left sidebar has links for Overview, Compliance, Remediation, Events, Authoring, Definitions, and Assignments (which is selected). The main area shows a summary: Total Assignments (2), Initiative Assignments (1), and Policy Assignments (1). Below is a table of assignments:

Assignment name	Scope ↑	Type ↓
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 08961442-0f0c-42c9-828a-eb31cd3c44ff)	Azure for Students	Initiative

A 'Visual Studio 2022' badge is at the bottom left, and a 'Give feedback' button is at the bottom right.

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Microsoft Azure

All services > Policy | Assignments > Assign policy ...

Basics Parameters Remediation Non-compliance messages 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	Hamd Naseem

**Advanced**

Resource selectors	No selectors associated with this assignment.
Overrides	No overrides associated with this assignment.

**Parameters**

Tag Name	Company
Tag Value	Contoso

Previous Next Create Give feedback

Microsoft Azure

All services > Policy | Assignments ...

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: 08961442-0f0c-42c9-828a-eb31cd3c44ff)	Azure for Students	Initiative
Require a tag and its value on resources	Azure for Students	Policy

Notifications

More events in the activity log → Dismiss all

Creating policy assignment succeeded Creating policy assignment 'Require a tag and its value on resources' in 'Azure for Students' was successful. Please note that the assignment takes around 5-15 minutes to take effect. a few seconds ago

Add or remove favorites by pressing Ctrl+Shift+F Give feedback

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

Validation failed. Required information is missing or not valid.

**Basics**

Subscription	Azure for Students
Resource group	MyRG
Location	Central India
Storage account name	storageaccount098h
Preferred storage type	Standard
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

**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

**Tags**

Name	Value	Resource
Company	: Contoso	All resources selected
		All resources selected

**storageaccount098h\_1763218468572 | Overview**

**Deployment**

**Your deployment is complete**

Deployment name: storageaccount098h\_1763... Start time: 11/15/2025, 7:55:59 PM  
Subscription: Azure for Students Correlation ID: Scaebl1dc-2ba4-4686-a5f0-dca99494a  
Resource group: MyRG

**Deployment details**

**Next steps**

**Cost Management**  
Get notified to stay within your budget and prevent unexpected charges on your bill.  
Set up cost alerts >

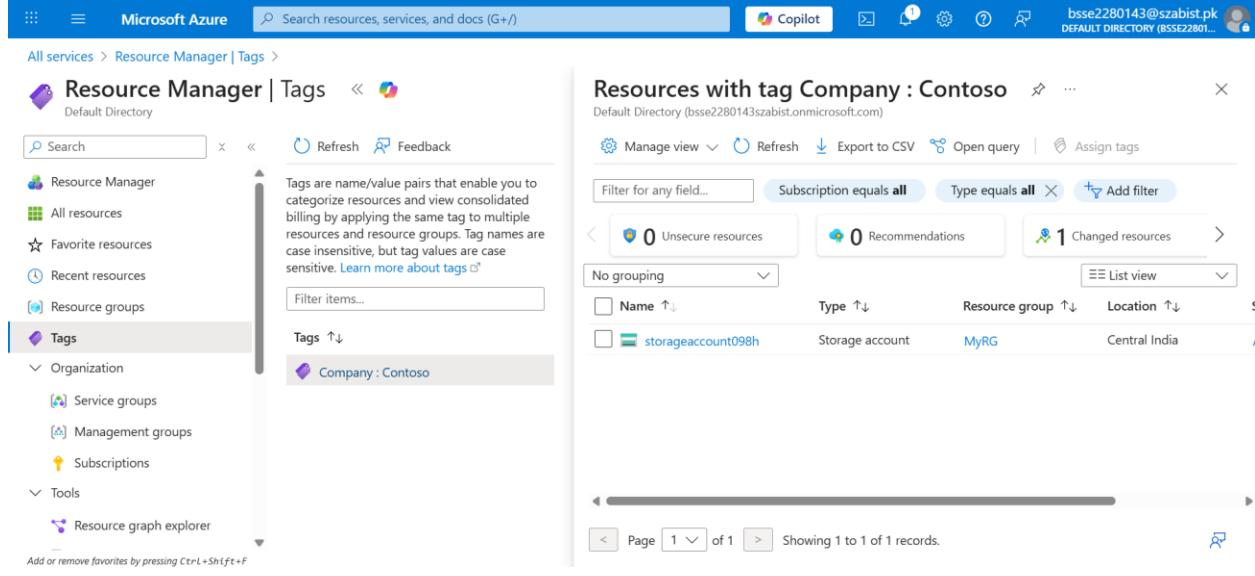
**Microsoft Defender for Cloud**  
Secure your apps and infrastructure  
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Start learning today >

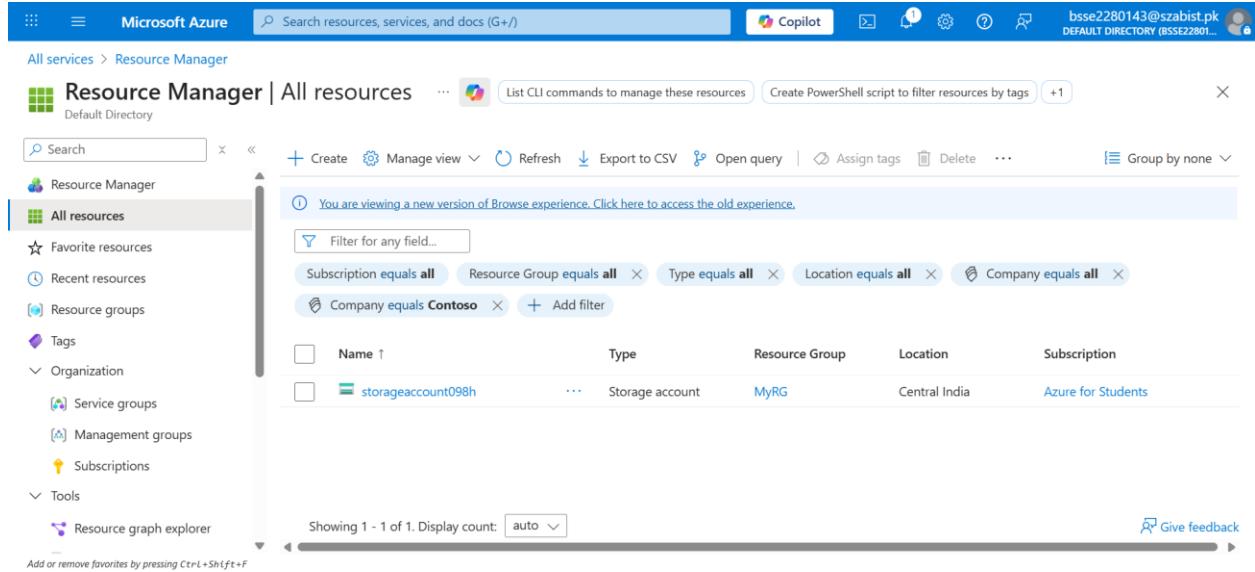
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### Task 3: View all resources with a specific tag



The screenshot shows the Microsoft Azure Resource Manager Tags page. The left sidebar has 'Tags' selected. A search bar and a refresh button are at the top. Below is a detailed description of tags: '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.' A link to 'Learn more about tags' is provided. A 'Filter items...' input field is below. A list of tags is shown, with one item highlighted: 'Company : Contoso'. The right pane shows a list of resources with the tag 'Company : Contoso'. The title is 'Resources with tag Company : Contoso'. The list includes: 0 Unsecure resources, 0 Recommendations, and 1 Changed resources. One resource is listed: storageaccount098h, Type: Storage account, Resource group: MyRG, Location: Central India.



The screenshot shows the Microsoft Azure Resource Manager All resources page. The left sidebar has 'All resources' selected. A search bar and a refresh button are at the top. Below is a message: 'You are viewing a new version of Browse experience. Click here to access the old experience.' A 'Filter for any field...' input field is present. A series of filters are applied: Subscription equals all, Resource Group equals all, Type equals all, Location equals all, and Company equals all. The list of resources is filtered to show only those with the 'Company : Contoso' tag. One resource is listed: storageaccount098h, Type: Storage account, Resource Group: MyRG, Location: Central India, and Subscription: Azure for Students.

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### Task 4: Delete the policy assignment

The screenshot shows the Microsoft Azure Policy Assignment page. A modal dialog box titled "Delete assignment" is open, asking "Do you want to delete the policy assignment 'Require a tag and its value on resources'?". There are "Yes" and "No" buttons. The background shows the policy assignment details: Name: Require a tag and its value on resources, Definition version: 1.\*, Description: --, Assignment ID: /subscriptions/08961442-0f0c-42c9-828a-eb31cc..., Assigned by: --. The Scope is set to "Azure for Students" and Excluded scopes is set to "--". Below the dialog, there is a table with columns: Parameter ID, Parameter name, Parameter value, and Policy assignment paramet... . A success message at the bottom left says "Successfully deleted assignment".

Require a tag and its value on resources

Name : Require a tag and its value on resources

Definition version (previe... : 1.\*

Description : --

Assignment ID : /subscriptions/08961442-0f0c-42c9-828a-eb31cc...

Assigned by : --

Scope : Azure for Students

Excluded scopes : --

Parameters (2)

Resource selectors (0)

Overrides (0)

Exempted (0)

Search by parameter name

All types

Policy

Default

Managed Identity

Yes

No

Parameter ID

Parameter name

Parameter value

Policy assignment paramet...

Successfully deleted assignment

Successfully deleted 'Require a tag and its value on resources' from 'Azure for Students'. Please note that the change takes around 30 minutes to take effect.