

# INTRODUCTION TO CLOUD COMPUTING

## Lab Task 10 (Create an Azure Policy)

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### Task 1: Task 1: Create a Policy assignment

The screenshot shows the Microsoft Azure Policy Definitions page. On the left, there's a navigation sidebar with options like Overview, Compliance, Remediation, Events, Authoring, Definitions, Assignments, Machine Configuration, and Exemptions. The 'Definitions' section is selected. The main area displays a list of policy definitions, including 'Microsoft Managed Control 1599 - Developer', 'Audit virtual machines without disaster recover', 'Microsoft Managed Control 1375 - Incident Re...', 'Restrict location of information processing, sto...', 'Vulnerability assessment should be enabled on...', 'Enable logging by category group for microsoft...', and 'Microsoft Managed Control 1605 - Developer'. A search bar at the top right allows filtering by name or ID. A modal window is open, showing a dropdown menu for 'Category' with 'Compute' selected. Buttons for 'Apply' and 'Cancel' are at the bottom of the modal.

The screenshot shows the Microsoft Azure Policy Definition details page for 'Allowed virtual machine size SKUs'. The 'Essentials' tab is selected, displaying the following details:

Name	: Allowed virtual machine size SKUs	Definition location	: --
Version (preview)	: 1.0.1	Definition ID	: /providers/Microsoft.Authorization/policyDefinitions/cccc23c7-8427-4f53-...
Description	: This policy enables you to specify a set of virtual machine size SKUs that yo...	Type	: Built-in
Available Effects	: Deny	Mode	: Indexed
Category	: Compute		

The 'Definition' tab is selected, showing the JSON code for the policy definition:

```
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": {
```

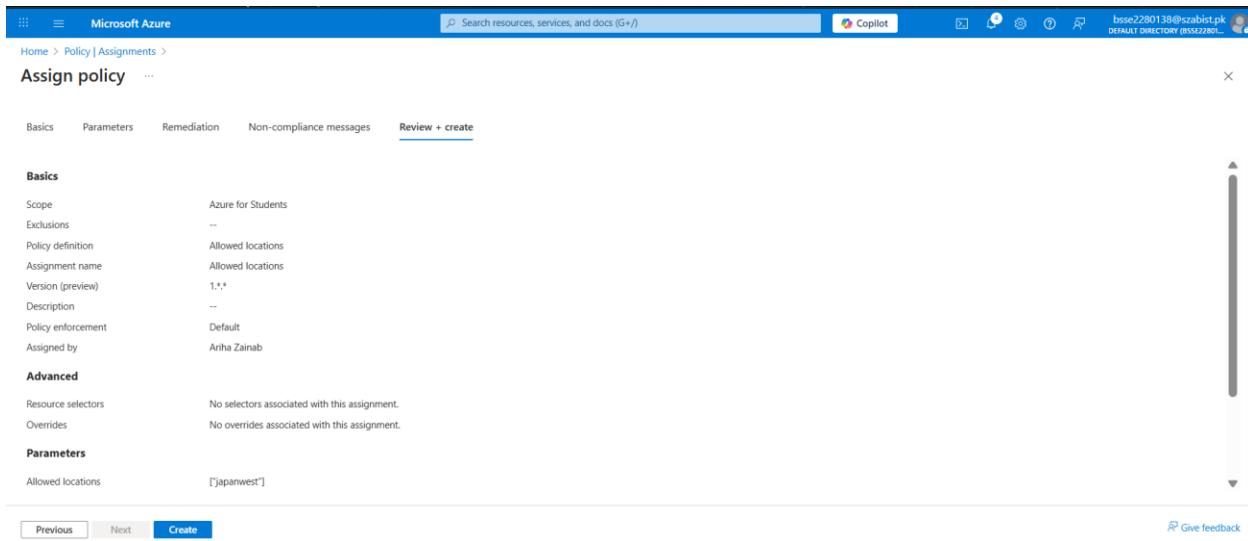
The screenshot shows the Microsoft Azure Policy Assignment creation page. The 'Assign policy' tab is selected. In the 'Basics' section, the 'Policy definition' field contains the URL of the previously defined policy. The 'Assignment name' field is empty, and the 'Description' field is also empty. The 'Policy enforcement' switch is set to 'Enabled'. On the right, a modal window titled 'Available Definitions' lists three policies:

Policy name	Latest version (pr...)	Category	Type
Azure Cosmos DB allowed locations	1.1.0	Cosmos DB	BuiltIn
<input checked="" type="checkbox"/> Allowed locations	1.0.0	General	BuiltIn
Allowed locations for resource groups	1.0.0	General	BuiltIn

The 'Allowed locations' policy is selected. At the bottom of the modal, it says '1 out of 1 policies selected' and has 'Add' and 'Cancel' buttons. The overall page has tabs for Basics, Parameters, Remediation, Non-compliance messages, and Review.

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**Basics**

Scope	Azure for Students
Exclusions	...
Policy definition	Allowed locations
Assignment name	Allowed locations
Version (preview)	1.1.*
Description	...
Policy enforcement	Default
Assigned by	Ariha Zainab

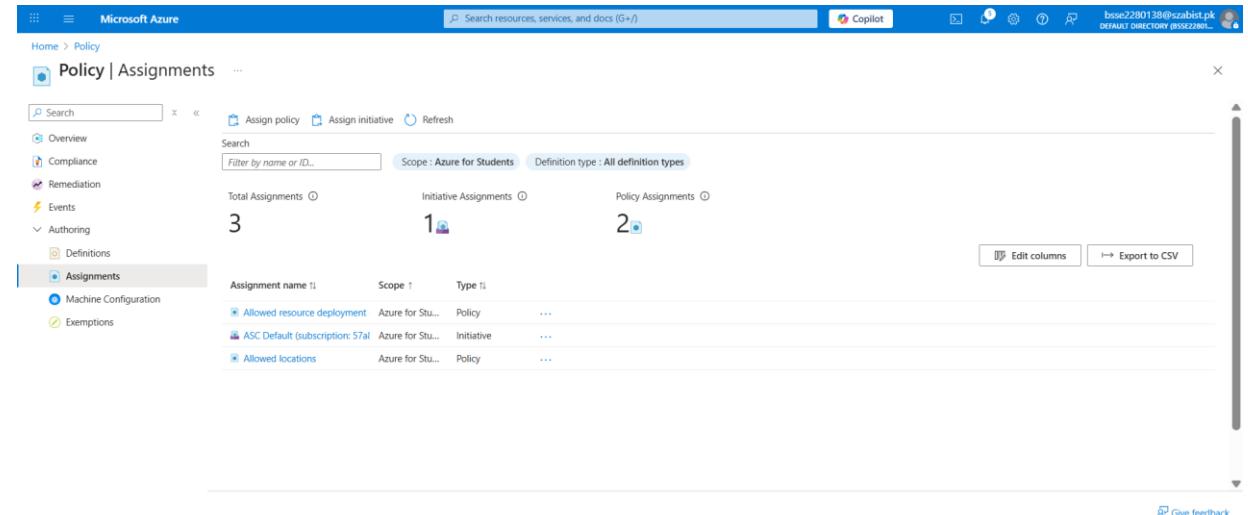
**Advanced**

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

**Parameters**

Allowed locations	["Japanwest"]
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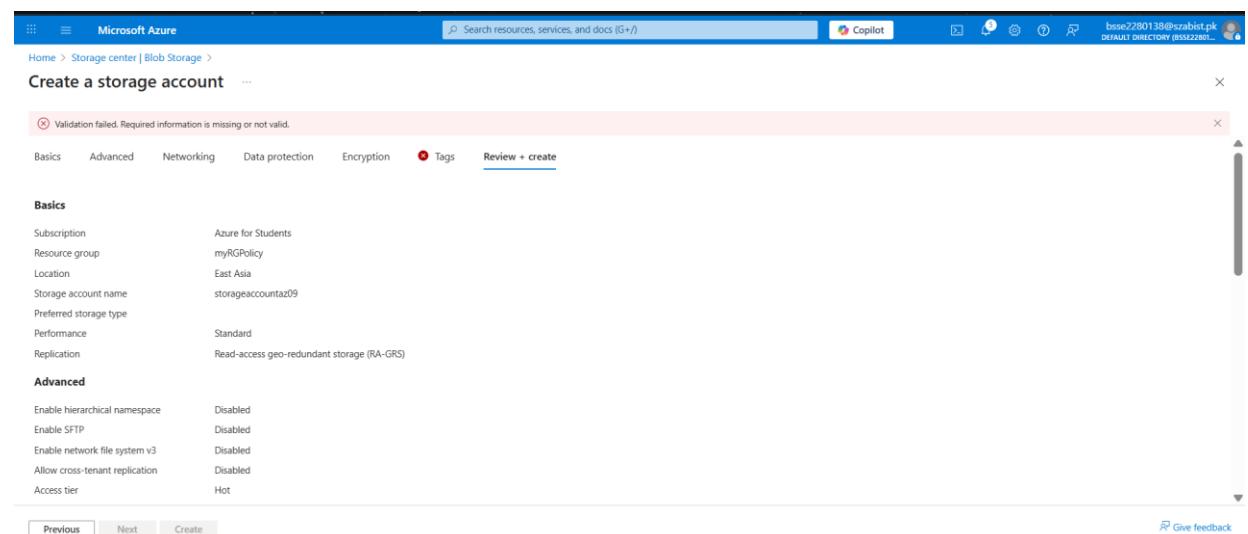
**Policy | Assignments**



Total Assignments	Initiative Assignments	Policy Assignments
3	1	2

Assignment name	Scope	Type
Allowed resource deployment	Azure for Stu...	Policy
ASC Default (subscription: 57a)	Azure for Stu...	Initiative
Allowed locations	Azure for Stu...	Policy

## Task 2: Test Allowed location policy



**Basics**

Subscription	Azure for Students
Resource group	myRGPolicy
Location	East Asia
Storage account name	storageaccountaz09
Preferred storage type	Standard
Performance	Read-access geo-redundant storage (RA-GRS)
Replication	Hot

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## Lab Task 10 (Create an Azure Policy)

### Task 3: Delete the policy assignment

The screenshot shows the Microsoft Azure Policy Assignments page. In the top right corner, there is a success message: "Successfully deleted assignment" with a note: "Successfully deleted 'Allowed locations' from 'Azure for Students'. Please note that the change takes around 30 minutes to take effect." On the left sidebar, under the "Assignments" section, there is a link to "Machine Configuration". The main table displays the following data:

Assignment name	Scope	Type
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 57a8b5a5-89cd-44d7-aaaf-c65ebdf15a43)	Azure for Students	Initiative

Created another storage account to ensure the policy is no longer in effect:

The screenshot shows the "Create a storage account" wizard in Microsoft Azure. The current step is "Review + create". The "Basics" tab is selected, showing the following configuration:

Setting	Value
Subscription	Azure for Students
Resource group	myRGPolicy
Location	East Asia
Storage account name	storageaccountaz78
Preferred storage type	Standard
Performance	Geo-redundant storage (GRS)

The "Advanced" tab shows the following settings:

Setting	Value
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

At the bottom, there are "Previous", "Next", and "Create" buttons.

The screenshot shows the "storageaccountaz78\_1764882933053 | Overview" page. The "Deployment" section indicates that the deployment is complete. Deployment details are listed:

- Deployment name: storageaccountaz78\_1764882933053
- Subscription: Azure for Students
- Resource group: myRGPolicy

Deployment start time: 12/5/2025, 2:15:54 AM  
Correlation ID: 1208d626-7822-4ef9-bc12-6eac4d65d7da

The "Overview" section shows the following status:

- Your deployment is complete (green checkmark)
- Deployment details (link)
- Next steps (link)

On the right side, there are "Cost Management" and "Lock" sections.