

Introduction to Cloud Computing

LAB 10

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BSSE 7-B

Task 1: Create a Policy assignment

The screenshot shows the Microsoft Azure Policy Definitions blade. On the left, there's a navigation menu with options like Overview, Compliance, Remediation, Events, and Authoring (Definitions, Assignments, Machine Configuration, Exemptions). The main area has a search bar and a list of policy definitions. A modal window is open, titled 'Policy definition' under the 'Definitions' category. It lists various Azure services with checkboxes. The 'Compute' checkbox is checked, and 'Container Instances' is also checked and highlighted. Buttons for 'Apply' and 'Cancel' are at the bottom of the modal.

The screenshot shows the details of a specific policy definition named 'Allowed virtual machine size SKUs'. The 'Definition' tab is selected. The policy has the following properties:

Name	: Allowed virtual machine size SKUs	Definition location	:
Version (preview)	: 1.0.1	Definition ID	: /providers/Microsoft.Authorization/policyDefinitions/c3cc23c7-84...
Description	: This policy enables you to specify a set of virtual machine size SKUs.	Type	: Built-in
Available Effects	: Deny	Mode	: Indexed
Category	: Compute		

Below the properties, there are tabs for 'Assignments (0)' and 'Parameters (1)'. The 'Parameters' tab shows a JSON configuration block:

```
1  {
2    "properties": {
3      "displayName": "Allowed virtual machine size SKUs",
4      "policyType": "BuiltIn",
5      "mode": "Indexed",
6    }
}
```

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Microsoft Azure

Home > Policy | Assignments >

Assign policy

Basics Parameters Remediation Non-compliance messages Review + create

Basics

Scope	Azure for Students
Exclusions	--
Policy definition	Allowed locations
Assignment name	Allowed locations
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

Allowed locations	[{"Japanwest"}]
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Remediation

Previous Next Create Give feedback

Microsoft Azure

Home > Policy

Policy | Assignments

Assign policy Assign initiative Refresh

Overview Compliance Remediation Events Authoring Definitions Assignments Machine Configuration Exemptions

Search Filter by name or ID... Scope : Azure for Students Definition type : All definition types

Total Assignments ① Initiative Assignments ① Policy Assignments ①

Assignment name ↑	Scope ↑	Type ↑
Allowed resource deployment regions	Azure for Students	Policy
ASC Default (subscription: 08961442-0f0c-42c9-828a-eb31cd3c4ff)	Azure for Students	Initiative
Allowed locations	Azure for Students	Policy

Edit columns Export to CSV Give feedback

Add or remove favorites by pressing Ctrl+Shift+F

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Task 2: Test Allowed location policy

The screenshot shows the Azure portal interface for creating a storage account. The top navigation bar includes the Microsoft Azure logo, a search bar, a Copilot button, and a user profile icon. Below the navigation bar, the breadcrumb path shows 'Home > Storage center | Blob Storage > Create a storage account'. The main title is 'Create a storage account' with a close button. A validation error message 'Validation failed. Required information is missing or not valid.' is displayed in a red box. The configuration tabs are 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', and 'Review + create'. The 'Review + create' tab is selected. The 'Basics' section contains the following details:

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

The 'Advanced' tab is visible below the basics section. At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link.

Task 3: Delete the policy assignment

The screenshot shows the Azure portal interface for managing policy assignments. The top navigation bar includes the Microsoft Azure logo, a search bar, a Copilot button, and a user profile icon. Below the navigation bar, the breadcrumb path shows 'All services > Policy'. The main title is 'Policy | Assignments' with a close button. The left sidebar menu includes 'Overview', 'Compliance', 'Remediation', 'Events', 'Authoring', 'Definitions', 'Assignments' (which is selected), 'Machine Configuration', and 'Exemptions'. The 'Assignments' section displays the following statistics: Total Assignments (0), Initiative Assignments (0), and Policy Assignments (0). The right side of the screen shows a success message: 'Successfully deleted assignment' with a note: 'Successfully deleted 'Allowed Locations' from 'Azure for Students''. There is also a 'Give feedback' link at the bottom.

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

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The 'Review + create' tab is selected. The 'Basics' section contains the following configuration:

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

The 'Advanced' section is collapsed. At the bottom, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link.

The screenshot shows the 'storageaccount098h_1763226135161 | Overview' page. The 'Overview' tab is selected. A prominent message says 'Your deployment is complete'. Deployment details are listed:

- Deployment name: storageaccount098h_1763...
- Start time: 11/15/2025, 10:04:02 PM
- Subscription: Azure for Students
- Correlation ID: 58d1c2b7-638b-4d82-99a4-9b663784
- Resource group: myRGPolicy

Below the deployment details, there are sections for 'Deployment details' and 'Next steps', each with a 'Go to resource' button. There are also links to 'Give feedback' and 'Tell us about your experience with deployment'.

The screenshot shows the 'storageaccount098h_1763226135161 | Overview' page. The 'Overview' tab is selected. The 'Essentials' section displays the following configuration:

Resource group (move)	Performance
myRGPolicy	Standard
Location	Replication
centralindia	Read-access geo-redundant storage (RA-GRS)
Primary/Secondary Location	Account kind
Primary: Central India, Secondary: South India	StorageV2 (general purpose v2)
Subscription (move)	Provisioning state
Azure for Students	Succeeded
Subscription ID	Created
08961442-0f0c-42c9-828a-eb31cd3c4ff	15/11/2025, 22:04:08
Disk state	
Primary: Available, Secondary: Available	

At the top, there are search, upload, and other navigation buttons. On the right, there is a 'JSON View' link.