
Demo: Managing Azure Policies in Azure Portal

What are Azure Policies?

Azure Policies help enforce organizational standards and compliance by controlling the properties of resources during creation and update. For example:

- Enforce allowed VM sizes
- Restrict resource locations
- Require tags on resources
- Control allowed SKUs on databases

Demo Steps

Step 1: Sign in to Azure Portal

- Go to portal.azure.com and sign in.

Step 2: Navigate to Policy service

- Search for **Policy** in the top search bar and select **Policy**.

Step 3: Create a New Policy Definition (Optional)

- In **Authoring** section, click **Definitions**.
- Click **+ Policy definition**.
- Fill in:
 - Name: e.g., **Allowed VM Sizes**
 - Description: Restricts VM sizes to specific SKUs.
 - Category: Choose or create one.
- In **Policy rule**, add JSON to specify allowed VM sizes (you can find sample definitions online).
- Click **Save**.

(Skip this step if using built-in policies)

Step 4: Assign a Policy

- Click **Assignments** in the left menu.
 - Click **Assign policy**.
 - Scope: Select the Subscription or Resource Group to apply policy.
 - Policy definition: Choose a built-in or your custom policy (e.g., **Allowed locations**).
 - Parameters: If required, specify allowed values (e.g., East US, West Europe).
 - Assignment name: Provide a friendly name.
 - Click **Review + create**, then **Create**.
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Step 5: Test Policy Enforcement

- Try to create or update a resource that violates the policy (e.g., create VM in disallowed region).
 - Azure Portal will block the action and show a policy violation error.
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Step 6: Monitor Compliance

- In the **Policy** blade, select **Compliance**.
 - See the list of resources compliant or non-compliant with your policies.
 - Drill down to understand which resources violate policies.
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Summary

- Azure Policies enforce governance at scale.
 - They prevent unwanted configurations and ensure compliance.
 - Use built-in policies or create custom ones tailored to your organization.
 - Monitor compliance and take action on violations.
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