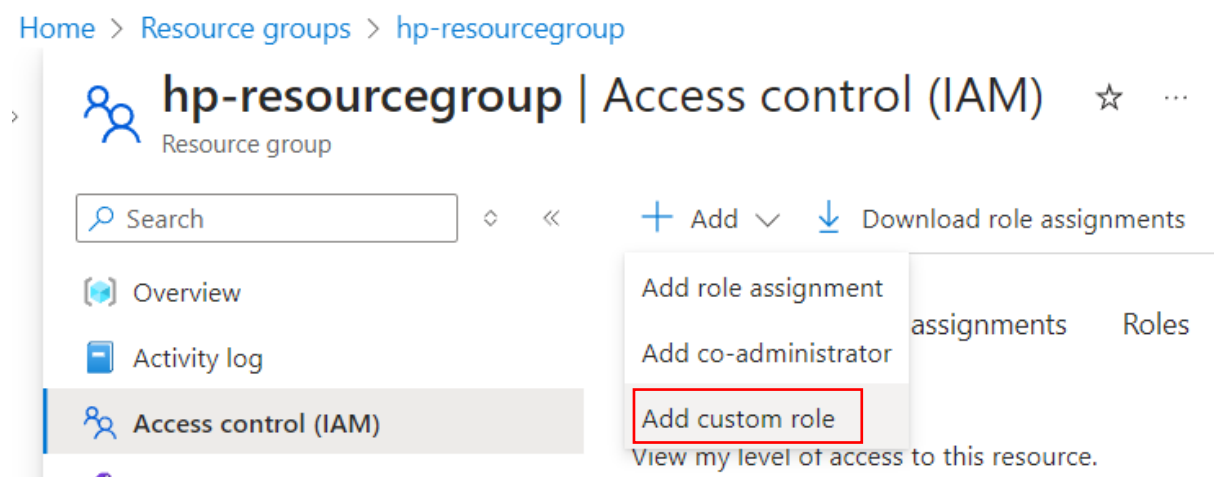


😊 Custom Roles

In this process, you're creating custom roles in Azure IAM to precisely define the permissions and access levels for users within your Azure environment. The end goal is to ensure that users have the appropriate level of access to resources they need to perform their tasks while minimizing security risks by granting only necessary permissions. This allows for better control and management of resources within Azure.

1. In Azure we have the ability to create our custom roles which we can attach to our user accounts.
2. Now to do so, we need to open our resource group then in that go to IAM and choose to add custom role.



3. First give it a name then choose start from scratch.

Create a custom role ...

[Basics](#) [Permissions](#) [Assignable scopes](#) [JSON](#) [Review + create](#)

To create a custom role for Azure resources, fill out some basic information. [Learn more](#)

Custom role name *

Description



Baseline permissions ☐ Clone a role ☒ Start from scratch ☐ Start from JSON

4. Then in permissions, click on add permissions and

Create a custom role ...

Basics **Permissions** Assignable scopes JSON Review + create

+ Add permissions + Exclude permissions

Click Add permissions to select the permissions you want to add to this custom role.
To add a wildcard (*) permission, you must manually add the permission on the JSON tab. [Learn more](#) 
To exclude specific permissions from a wildcard permission, click Exclude permissions. [Learn more](#) 

Permission	↑↓	Description	↑↓	Permission type	↑↓
No permissions to display.					

Add permissions

5. Then you need to search Compute and choose Microsoft compute service.


Microsoft Compute
Access cloud compute capacity and scale on demand (such as virtual machines) and only pay for the resources you use.

6. Now here you have the ability to choose what actions you want to give access to in this role. You can choose as per your convenience. After that just click on add.

Microsoft.Compute permissions

×

[← All resource providers](#)

 Search for permissions to add to your custom role. For example, search for "virtual machines" to find permissions related to virtual machines.

compute

☒ Actions ☐ Data Actions

<input checked="" type="checkbox"/> Permission	Description
▼ Microsoft.Compute	
<input type="checkbox"/> Other : Register Subscription for Compute ⓘ	Registers Subscription with Microsoft.Compute resource provider
<input type="checkbox"/> Other : Unregister Subscription for Compute ⓘ	Unregisters Subscription with Microsoft.Compute resource provider
▼ Microsoft.Compute/availabilitySets	
<input checked="" type="checkbox"/> Read : Get Availability Set ⓘ	Get the properties of an availability set
<input checked="" type="checkbox"/> Write : Create or Update Availability Set ⓘ	Creates a new availability set or updates an existing one
<input checked="" type="checkbox"/> Delete : Delete Availability Set ⓘ	Deletes the availability set
▼ Microsoft.Compute/availabilitySets/vmSizes	
<input type="checkbox"/> Read : List Virtual Machine Sizes for Availability Set ⓘ	List available sizes for creating or updating a virtual machine in the availability set
▼ Microsoft.Compute/operations	
<input type="checkbox"/> Read : List Available Compute Operations ⓘ	Lists operations available on Microsoft.Compute resource provider

Add

Cancel

7. Then you can also view your role in JSON format. After go to review and create then just create your role.

Create a custom role ...

Basics Permissions Assignable scopes **JSON** Review + create

Here is your custom role in JSON format. [Learn more](#)

Download



Edit

```
1 {
2   "properties": {
3     "roleName": "Role1",
4     "description": "",
5     "assignableScopes": [
6       "/subscriptions/3541d15a-44aa-4f6e-a120-1b7a6d5925bf/resourceGroups/hp-resourcegroup"
7     ],
8     "permissions": [
9       {
10        "actions": [
11          "Microsoft.Compute/availabilitySets/read",
12          "Microsoft.Compute/availabilitySets/write",
13          "Microsoft.Compute/availabilitySets/delete"
14        ],
15        "notActions": [],
16        "dataActions": [],
17        "notDataActions": []
18      }
19    ]
20  }
21 }
```

Review + create

Previous

Next

8. Now it might take some time to display the changes.

9. After some time in your IAM choose to add role assignment. Then search for your role that you just created.

10. Below you can see that your role is visible.

Add role assignment ...

Role Members Conditions Review + assign

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

Job function roles Privileged administrator roles

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

Role1 Type: All Category: All

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Role1		CustomRole	None	View

Showing 1 - 1 of 1 results.

11. Once you are down with your lab in the IAM go to roles and choose custom roles then remove the role you created.

12. If you wish to keep it then you can.

hp-resourcegroup | Access control (IAM) ☆ ...

Search Add Download role assignments Edit columns Refresh Remove Feedback

Overview Activity log Access control (IAM) Tags Resource visualizer Events Settings Monitoring Automation Help

Check access Role assignments **Roles** Deny assignments Classic administrators Remove

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

All Job function roles Privileged administrator roles

Search by role name, description, permission, or ID Type: Custom role Category: All

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Role1		CustomRole	None	View ...

Showing 1 - 1 of 1 results.