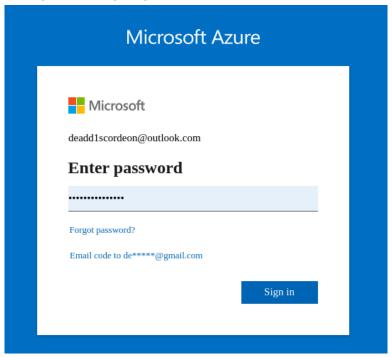
### AZ-104-Microsoft Azure Administrator Kateryna Bakhmat

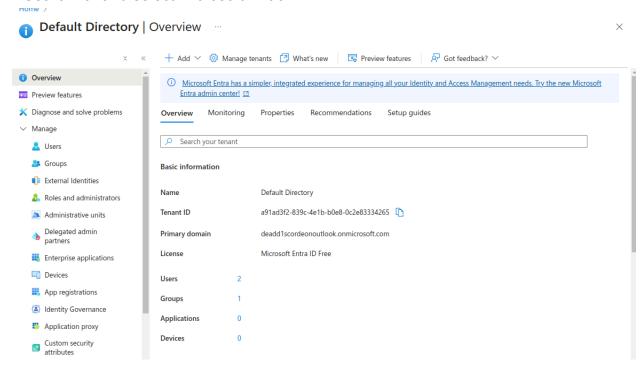
## Lab 02a - Manage Subscriptions and RBAC

## Task 1: Implement Management Groups

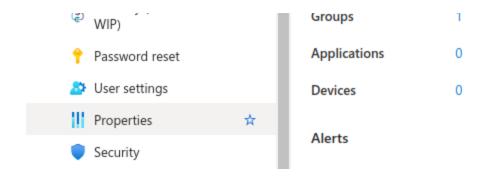
1. Sign in to the Azure portal - https://portal.azure.com.



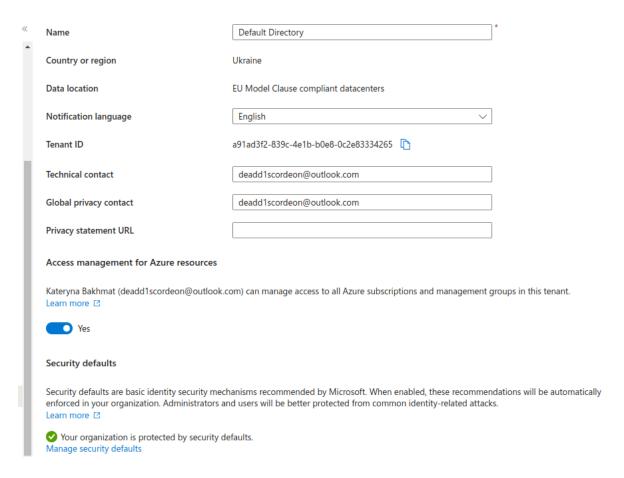
2. Search for and select Microsoft Entra ID.



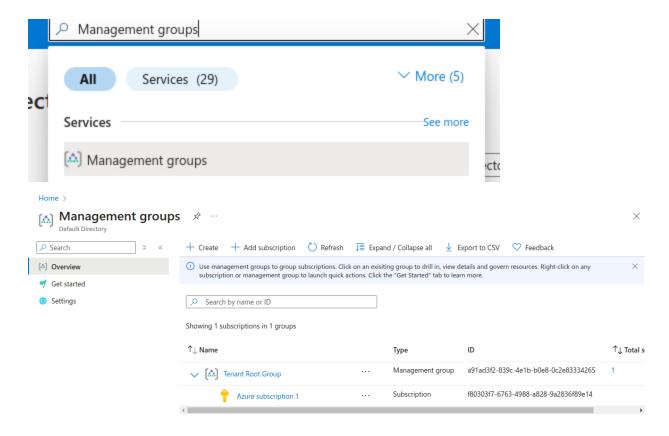
3.In the Manage blade, select Properties.



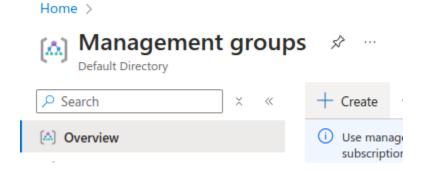
4.Review the Access management for Azure resources area. Ensure you can manage access to all Azure subscriptions and management groups in the tenant.



5. Search for and select Management groups.

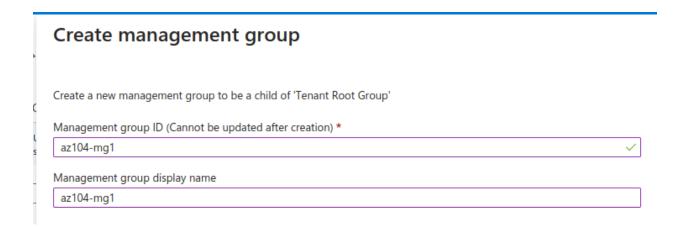


6. On the Management groups blade, click + Create.

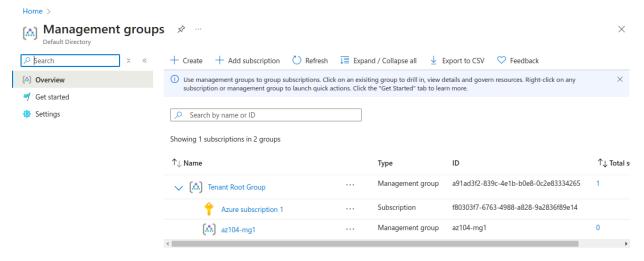


7. Create a management group with the following settings. Select Submit when you are done.

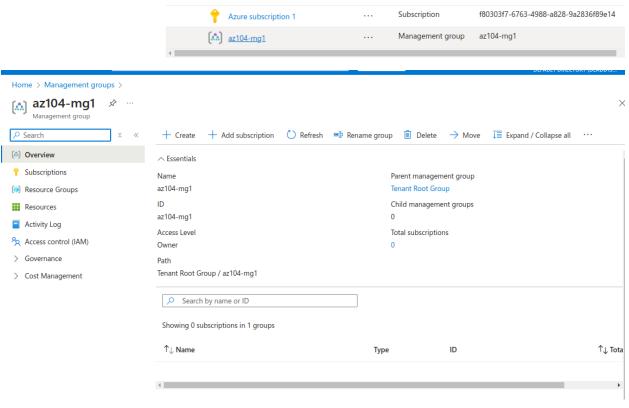




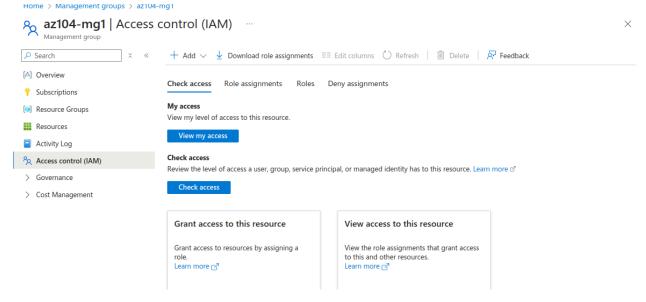
8. Refresh the management group page to ensure your new management group displays. This may take a minute.

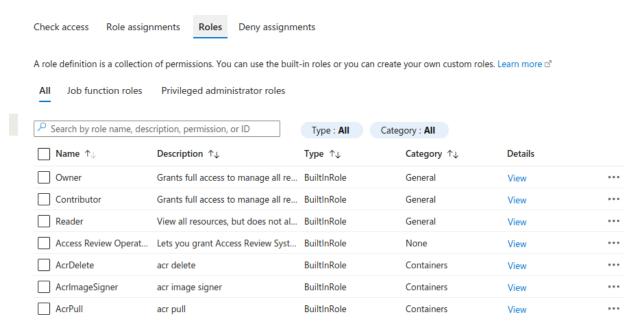


Task 2: Review and assign a built-in Azure role 1.Select the az104-mg1 management group.



2. Select the Access control (IAM) blade, and then the Roles tab.

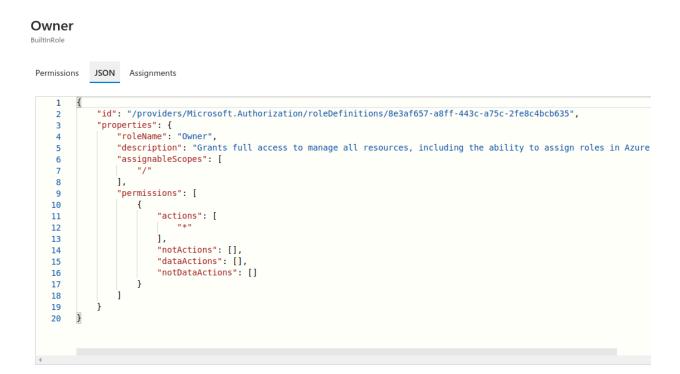




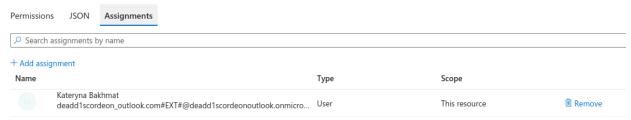
3.Scroll through the built-in role definitions that are available. View a role to get detailed information about the Permissions, JSON, and Assignments. You will often use owner, contributor, and reader.

#### Owner BuiltInRole

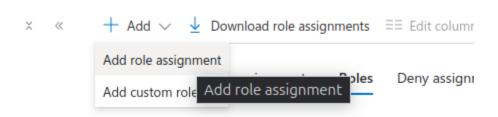
Assignments Description: Grants full access to manage all resources, including the ability to assign roles in Azure RBAC. Search permissions Type : All Permission Type Showing 500 of 17108 permissions View all (will take a moment to load) Permissions Description Type ✓ Microsoft.AAD Other Subscription Registration Action ① Subscription Registration Action Unregister Domain Service ① Unregister Domain Service Other Register Domain Service ① Other Register Domain Service -- (i) Read -- (i) Read Read Read Domain Service ① Read Domain Services Write Domain Service ① Write Domain Service Write Delete Delete Domain Service ① Delete Domain Service



# Owner BuiltInRole



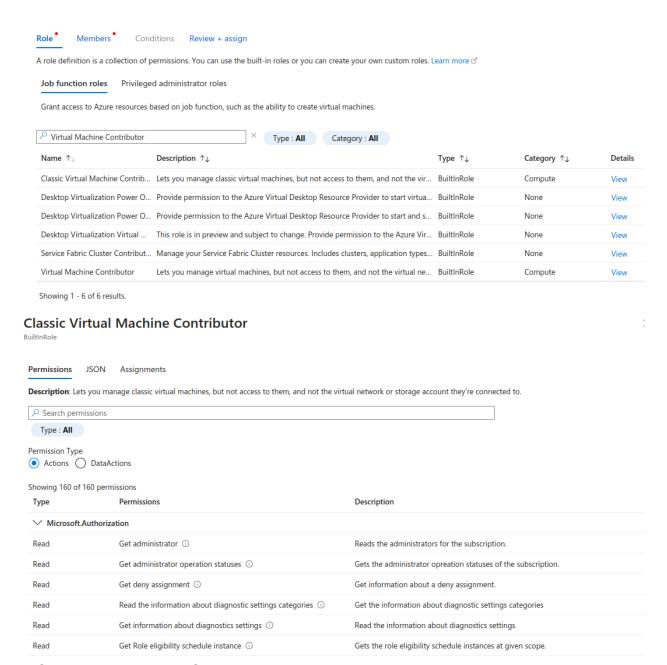
4.Select + Add, from the drop-down menu, select Add role assignment.



5. On the Add role assignment blade, search for and select the Virtual Machine Contributor. The Virtual machine contributor role lets you manage virtual machines, but

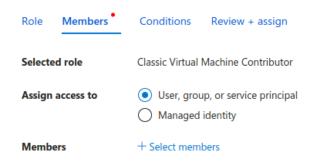
not access their operating system or manage the virtual network and storage account they are connected to. This is a good role for the Help Desk. Select Next.

Add role assignment

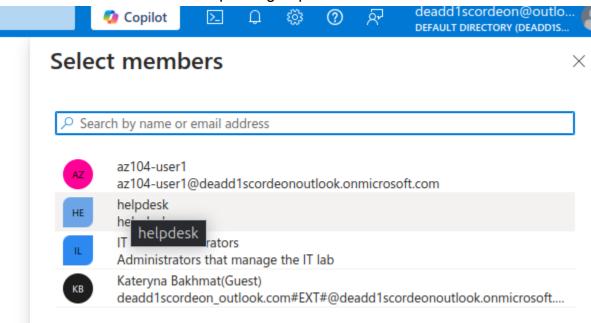


6. On the Members tab, Select Members.

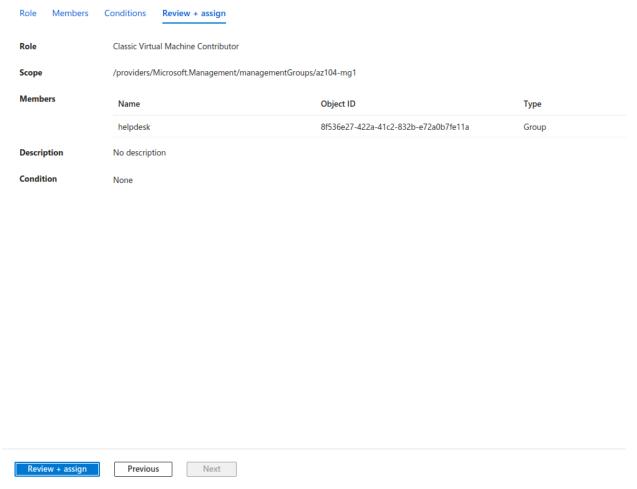
## Add role assignment



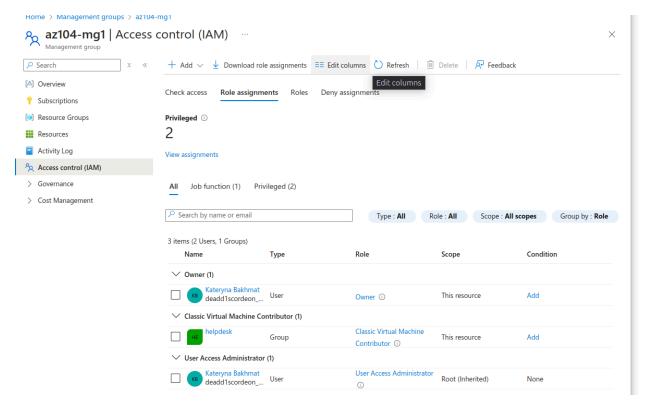
7. Search for and select the helpdesk group. Click Select.



8. Click Review + assign twice to create the role assignment.

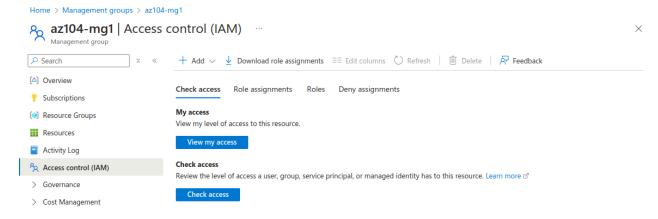


9. Continue on the Access control (IAM) blade. On the Role assignments tab, confirm the helpdesk group has the Virtual Machine Contributor role.



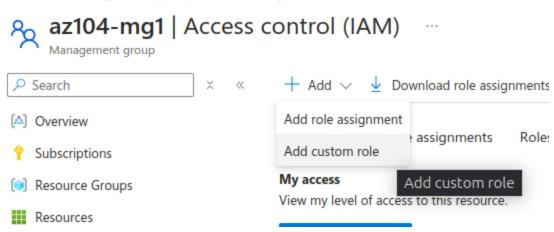
Task 3: Create a custom RBAC role

1. Continue working on your management group. Navigate to the Access control (IAM) blade.



2. Select + Add, from the drop-down menu, select Add custom role.

### Home > Management groups > az104-mg1



3. On the Basics tab complete the configuration.

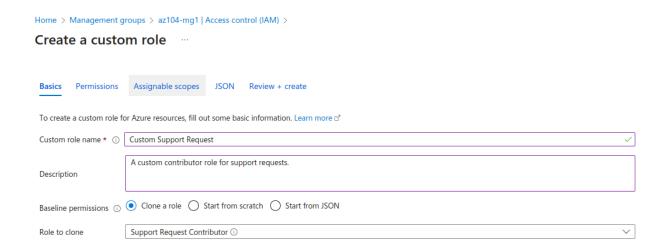


Home > Management groups > az104-mg1 | Access control (IAM) >

#### Create a custom role

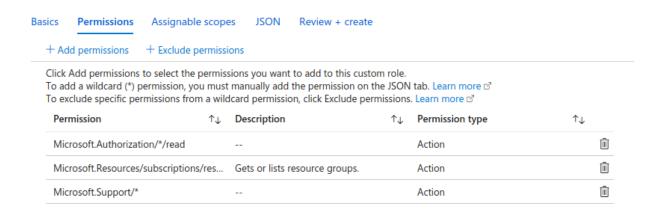
Basics Permissions	Assignable scopes	JSON	Review + create						
To create a custom role for Azure resources, fill out some basic information. Learn more ♂									
Custom role name * ① Custom Support Request									
A custom contributor role for support requests.  Description									

4. For Baseline permissions, select Clone a role. In the Role to clone drop-down menu, select Support Request Contributor.



5. Select Next to move to the Permissions tab, and then select + Exclude permissions.

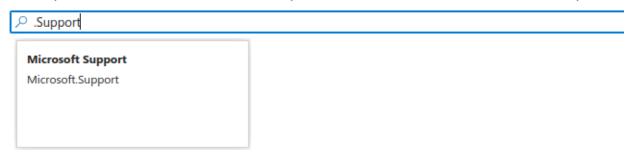
#### Create a custom role



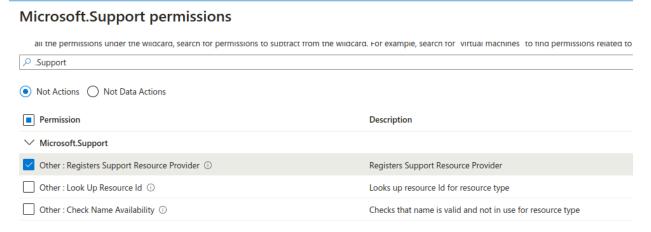
6. In the resource provider search field, enter .Support and select Microsoft.Support.

# **Exclude permissions**

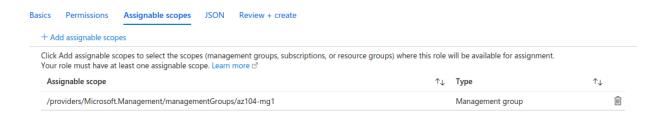
Exclude permissions enable you to subtract specific permissions from a wildcard (\*) permission. If your custo the permissions under the wildcard, search for permissions to subtract from the wildcard. For example, search



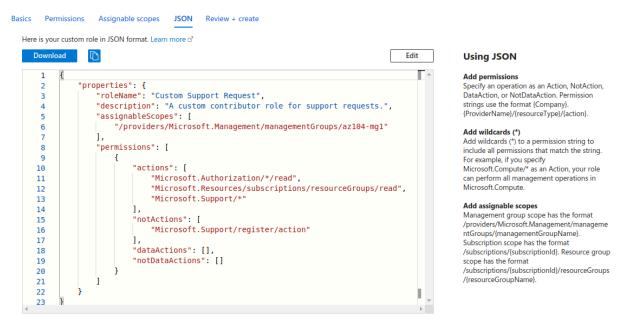
7. In the list of permissions, place a checkbox next to Other: Registers Support Resource Provider and then select Add. The role should be updated to include this permission as a NotAction.



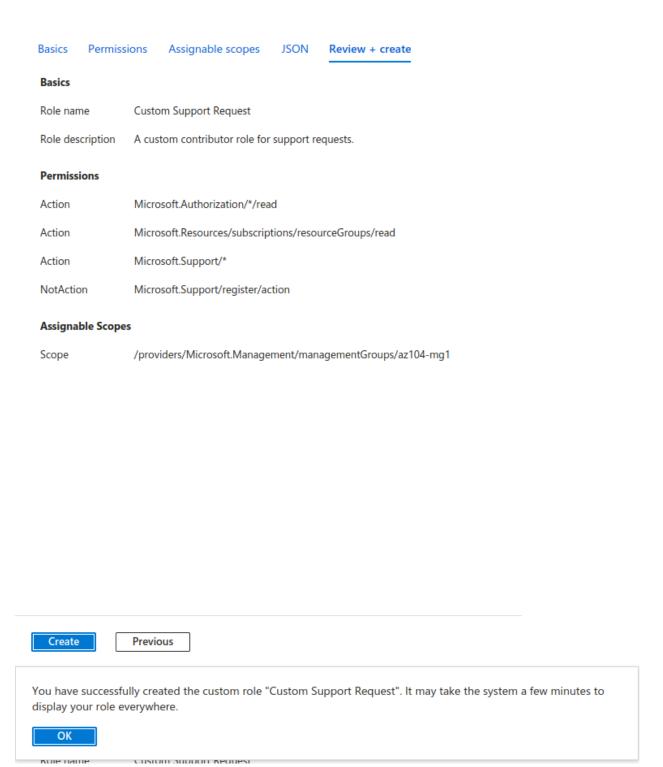
8. On the Assignable scopes tab, ensure your management group is listed, then click Next.



9. Review the JSON for the Actions, NotActions, and AssignableScopes that are customized in the role.

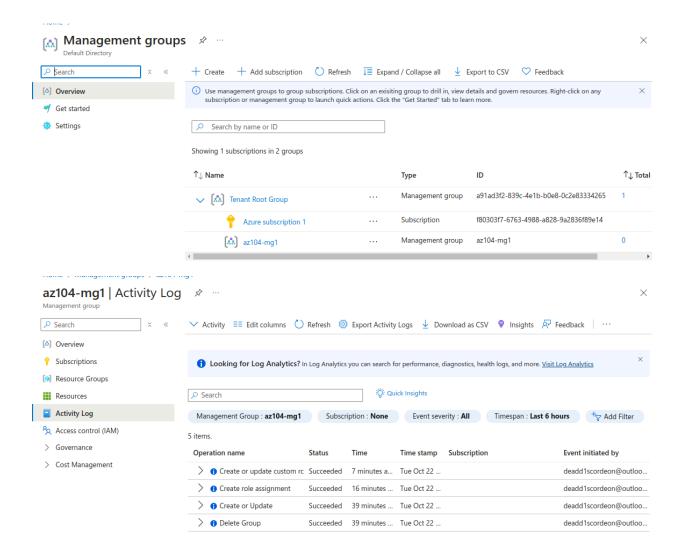


10. Select Review + Create, and then select Create.

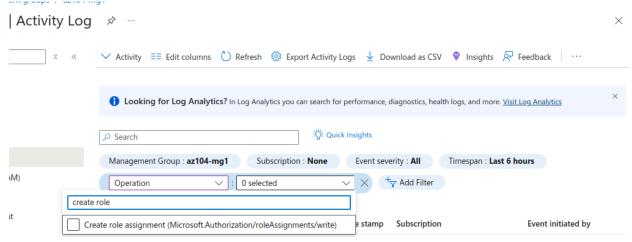


Task 4: Monitor role assignments with the Activity Log

1. In the portal locate the az104-mg1 resource and select Activity log. The activity log provides insight into subscription-level events.



2.Review the activites for role assignments. The activity log can be filtered for specific operations.



# Oper... : Create role assignment (Microsoft.Authorization/role... × + Add Filter

3 items.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
> (1) Create role assignment	Succeeded	19 minutes	Tue Oct 22		deadd1scordeon@outloo
> (1) Create role assignment	Succeeded	42 minutes	Tue Oct 22		Azure Management Groups
> <b>()</b> Create role assignment	Succeeded	43 minutes	Tue Oct 22		Azure Management Groups