

TASK 1: IMPLEMENT MANAGEMENT GROUPS

Access management for Azure resources

Mirza Usman Baig (bsse2280148@szabist.pk) can manage access to all Azure subscriptions and management groups in this tenant.

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The screenshot displays the Microsoft Azure Resource Manager (RM) console interface. The top navigation bar shows 'Microsoft Azure' and 'Upgrade' buttons. The main content area is divided into two sections: 'Resource Manager | Management groups' and 'Create management group'.

Resource Manager | Management groups

The left sidebar contains a search bar and a list of navigation items: Resource Manager, All resources, Favorite resources, Recent resources, Resource groups, Tags, Organization, Service groups, Management groups (selected), Subscriptions, Tools, Deployments, and Help.

The main content area shows the 'Overview' tab for 'Management groups'. It includes a search bar and a table of subscriptions. The table has columns for Name, Type, ID, and Total subscriptions.

Name	Type	ID	Total subscriptions
Tenant Root Group	Management group	64738ef8-00ae-4791-8813-d8c62df94c3	1
Azure subscription 1	Subscription	a5742b9d-9daa-4a08-a35e-c83a0f90d04b	
az104-mg1	Management group	az104-mg1	0

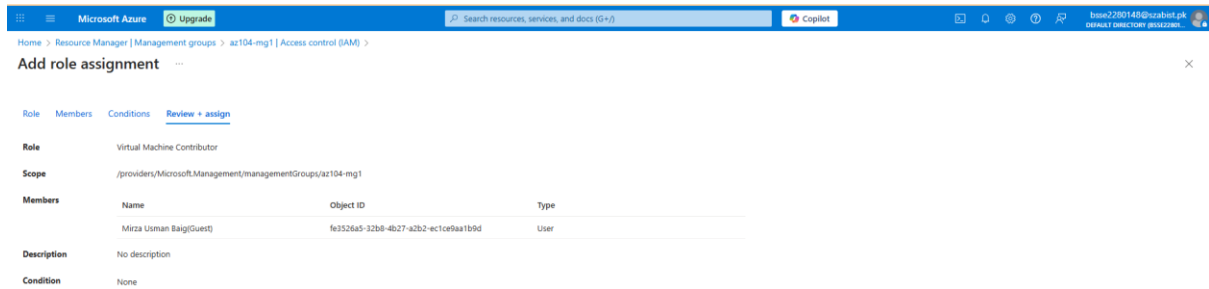
Create management group

This dialog box prompts the user to create a new management group. It includes the following fields:

- Management group ID (Cannot be updated after creation): az104-mg1
- Management group display name: az104-mg1

The dialog also includes 'Submit' and 'Cancel' buttons.

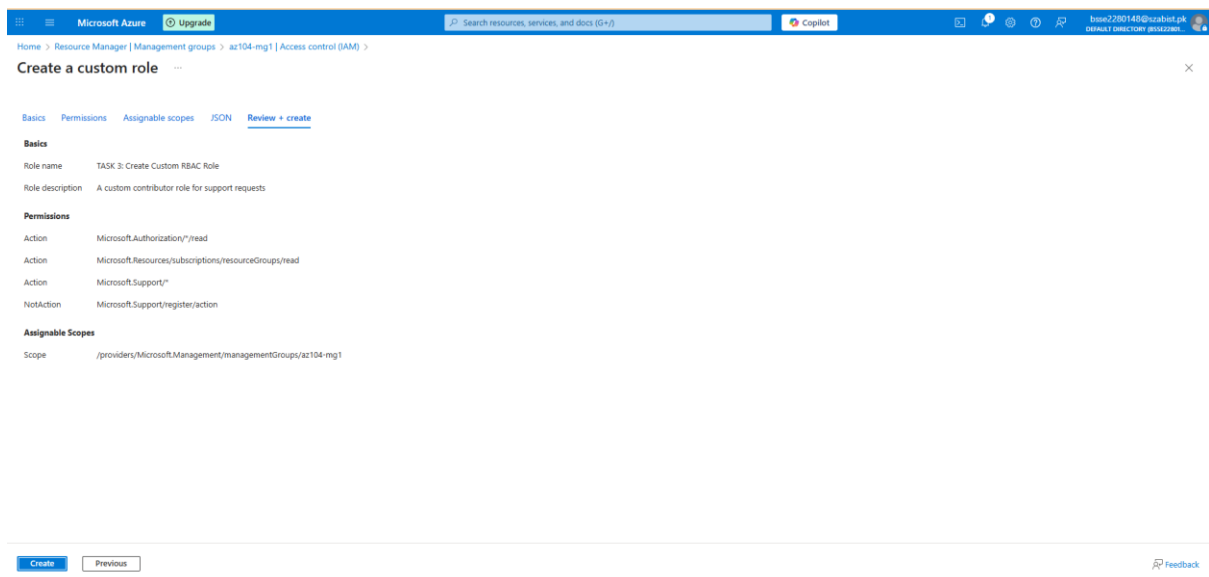
TASK 2: Assign Built-in Role (VM Contributor)



The screenshot shows the 'Add role assignment' page in the Microsoft Azure portal. The breadcrumb navigation is 'Home > Resource Manager > Management groups > az104-mg1 > Access control (IAM) > Add role assignment'. The page has tabs for 'Role', 'Members', 'Conditions', and 'Review + assign'. The 'Role' tab is selected, showing the 'Virtual Machine Contributor' role with a scope of '/providers/Microsoft.Management/managementGroups/az104-mg1'. The 'Members' section shows a table with one member: Mirza Usman Baig (Guest) with Object ID fe5526a5-32b8-4b27-a2b2-ec1ce9aa1b9d and Type User. The 'Description' is 'No description' and the 'Condition' is 'None'.

Role	Members	Conditions	Review + assign						
Virtual Machine Contributor									
Scope	/providers/Microsoft.Management/managementGroups/az104-mg1								
Members	<table border="1"><thead><tr><th>Name</th><th>Object ID</th><th>Type</th></tr></thead><tbody><tr><td>Mirza Usman Baig (Guest)</td><td>fe5526a5-32b8-4b27-a2b2-ec1ce9aa1b9d</td><td>User</td></tr></tbody></table>			Name	Object ID	Type	Mirza Usman Baig (Guest)	fe5526a5-32b8-4b27-a2b2-ec1ce9aa1b9d	User
Name	Object ID	Type							
Mirza Usman Baig (Guest)	fe5526a5-32b8-4b27-a2b2-ec1ce9aa1b9d	User							
Description	No description								
Condition	None								

TASK 3: Create Custom RBAC Role



The screenshot shows the 'Create a custom role' page in the Microsoft Azure portal. The breadcrumb navigation is 'Home > Resource Manager > Management groups > az104-mg1 > Access control (IAM) > Create a custom role'. The page has tabs for 'Basics', 'Permissions', 'Assignable scopes', 'JSON', and 'Review + create'. The 'Basics' tab is selected, showing the role name 'TASK 3: Create Custom RBAC Role' and role description 'A custom contributor role for support requests'. The 'Permissions' section shows a table with actions and not actions. The 'Assignable Scopes' section shows the scope '/providers/Microsoft.Management/managementGroups/az104-mg1'.

Basics	Permissions	Assignable scopes	JSON	Review + create												
Role name	TASK 3: Create Custom RBAC Role															
Role description	A custom contributor role for support requests															
Permissions	<table border="1"><thead><tr><th>Action</th><th>Microsoft.Authorization/*</th><th>read</th></tr></thead><tbody><tr><td>Action</td><td>Microsoft.Resources/subscriptions/resourceGroups/read</td><td></td></tr><tr><td>Action</td><td>Microsoft.Support/*</td><td></td></tr><tr><td>NotAction</td><td>Microsoft.Support/register/action</td><td></td></tr></tbody></table>				Action	Microsoft.Authorization/*	read	Action	Microsoft.Resources/subscriptions/resourceGroups/read		Action	Microsoft.Support/*		NotAction	Microsoft.Support/register/action	
Action	Microsoft.Authorization/*	read														
Action	Microsoft.Resources/subscriptions/resourceGroups/read															
Action	Microsoft.Support/*															
NotAction	Microsoft.Support/register/action															
Assignable Scopes	<table border="1"><thead><tr><th>Scope</th><th>/providers/Microsoft.Management/managementGroups/az104-mg1</th></tr></thead><tbody></tbody></table>				Scope	/providers/Microsoft.Management/managementGroups/az104-mg1										
Scope	/providers/Microsoft.Management/managementGroups/az104-mg1															

At the bottom of the page, there are buttons for 'Create' and 'Previous', and a 'Feedback' link.

TASK 4: Activity Log

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a 'Copilot' button. The breadcrumb trail indicates the user is in 'Home > Resource Manager > Management groups > az104-mg1'. The main heading is 'az104-mg1 | Activity Log'. A left-hand sidebar contains a navigation menu with options: Overview, Subscriptions, Resource Groups, Resources, Activity Log (selected), Access control (IAM), Governance, and Cost Management. The main content area features a search bar, a 'Quick Insights' link, and filter buttons for 'Management Group: az104-mg1', 'Subscription: None', 'Event severity: All', and 'Timespan: Last 6 hours'. A message banner at the top of the log area suggests looking for Log Analytics. Below the filters, it states '2 items.' and displays a table of activity log entries.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
> Create role assignment	Succeeded	3 minutes a...	Tue Dec 09 ...		buse2280148@scabist.pk
> Create or Update	Succeeded	8 minutes a...	Tue Dec 09 ...		buse2280148@scabist.pk