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### Task 1 - Implement Management Groups:

The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu is open, showing 'Resource Manager' selected under 'Management groups'. The main content area displays the 'Management groups' overview, showing one entry: 'Tenant Root Group'. A modal window titled 'Create management group' is open on the right, prompting for a 'Management group ID' (az104-mg1) and a 'Management group display name' (az104-mg1). The top right corner of the screen shows the user's profile: muhammadosama0661... and DEFAULT DIRECTORY MUHAMM...



### Notifications

X

More events in the activity log →

Dismiss all ▾

✓ Updating group X

Update group succeeded

a minute ago

The screenshot shows the Microsoft Azure Resource Manager - Management groups page. The left sidebar includes options like Resource Manager, All resources, Favorite resources, Recent resources, Resource groups, Tags, Organization, Service groups, Management groups, Subscriptions, Tools, Deployments, and Help. The main content area displays a table with columns: Name, Type, ID, and Total subscriptions. The table shows three entries: Tenant Root Group (Management group, ID: 7c7df85c-4460-41bc-9d55-714047cfaf3), Azure subscription 1 (Subscription, ID: b27ea303-a842-43a4-8123-8bd14aec006b), and az104-mg1 (Management group, ID: az104-mg1).

## Task 2 Review and assign a built-in Azure role:

The screenshot shows the Microsoft Azure Groups - All groups page. The left sidebar includes Overview, All groups, Deleted groups, Diagnose and solve problems, Settings, General, Expiration, Naming policy, Activity, Privileged Identity Management, Access reviews, Audit logs, Bulk operation results, and Troubleshooting + Support. The main content area displays a table with columns: Name, Object ID, Group type, Membership type, Email, and Source. One group, 'helpdesk' (Object ID: 3024e4e7-6e98-4dfa-aa17-56aa7be8eefb), is listed under Security, Assigned membership, and Cloud source.

The screenshot shows the Microsoft Azure Add role assignment page for the 'Virtual Machine Contributor' role. The page has tabs for Role, Members, Conditions, and Review + assign (which is selected). The Role is set to 'Virtual Machine Contributor'. The Scope is '/providers/Microsoft.Management/managementGroups/az104-mg1'. The Members section lists 'helpdesk' (Object ID: 3024e4e7-6e98-4dfa-aa17-56aa7be8eefb) as a member of the group. The Description is 'No description' and the Condition is 'None'.



The screenshot shows the Microsoft Azure Access control (IAM) blade for the "az104-mg1" management group. The left sidebar includes "Overview", "Subscriptions", "Resource Groups", "Resources", "Activity Log", and "Access control (IAM)". The "Access control (IAM)" item is selected. The main area displays "Role assignments" for the "az104-mg1" management group. It lists two roles: "Owner" (Muhammad Osama) and "Virtual Machine Contributor" (helpdesk). The "Owner" role is assigned to "User" Muhammad Osama (dc173b20-a0ec-46d6-88e5-0af42ff9b26a) with scope "This resource". The "Virtual Machine Contributor" role is assigned to "Group" helpdesk (3024e4e7-6e98-4dfa-aa17-56aa7be8eebf) with scope "This resource". There are buttons for "Add" and "Edit columns", and a "Feedback" link.

### Task 3 - Create a custom RBAC role:

The screenshot shows the Microsoft Azure "Create a custom role" blade. The top navigation bar includes "Microsoft Azure", "Upgrade", "Search resources, services, and docs (G+)", "Copilot", and a user profile for "muhammadosama0661...". The main content area is titled "Create a custom role" with a "Review + create" button. The blade is divided into sections: "Basics", "Permissions", "Assignable scopes", and "JSON".

- Basics:**
  - Role name: Custom Support Request
  - Role description: A custom contributor role for support requests
- Permissions:**
  - Action: Microsoft.Authorization/\*/read
  - Action: Microsoft.Resources/subscriptions/resourceGroups/read
  - Action: Microsoft.Support/\*
  - NotAction: Microsoft.Support/register/action
- Assignable Scopes:**
  - Scope: /providers/Microsoft.Management/managementGroups/az104-mg1

Microsoft Azure Upgrade Search resources, services, and docs (G+) Copilot

All services > Resource Manager | Management groups > az104-mg1 | Access control (IAM) >

### Create a custom role ...

You have successfully created the custom role "Custom Support Request". It may take the system a few minutes to display your role everywhere.

OK

Role name: Custom Support Request

## Task 4 - Monitor role assignments with the Activity Log:

Microsoft Azure Microsoft muhammadosama0661... DEFAULT DIRECTORY MUHAMM...

All services > Resource Manager | Management groups > az104-mg1 az104-mg1 | Activity Log

Management group

Activity Log

Looking for Log Analytics? In Log Analytics you can search for performance, diagnostics, health logs, and more. Visit Log Analytics

Management Group: az104-mg1 Subscription: None Event severity: All Timespan: Last 6 hours Add Filter

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
>Create role assignment	Succeeded	12 minutes ...	Tue Jan 06 ...		muhammadosama0661@...
Create role assignment	Started	13 minutes ...	Tue Jan 06 ...		muhammadosama0661@...
> Create or Update	Succeeded	40 minutes ...	Tue Jan 06 ...		muhammadosama0661@...