

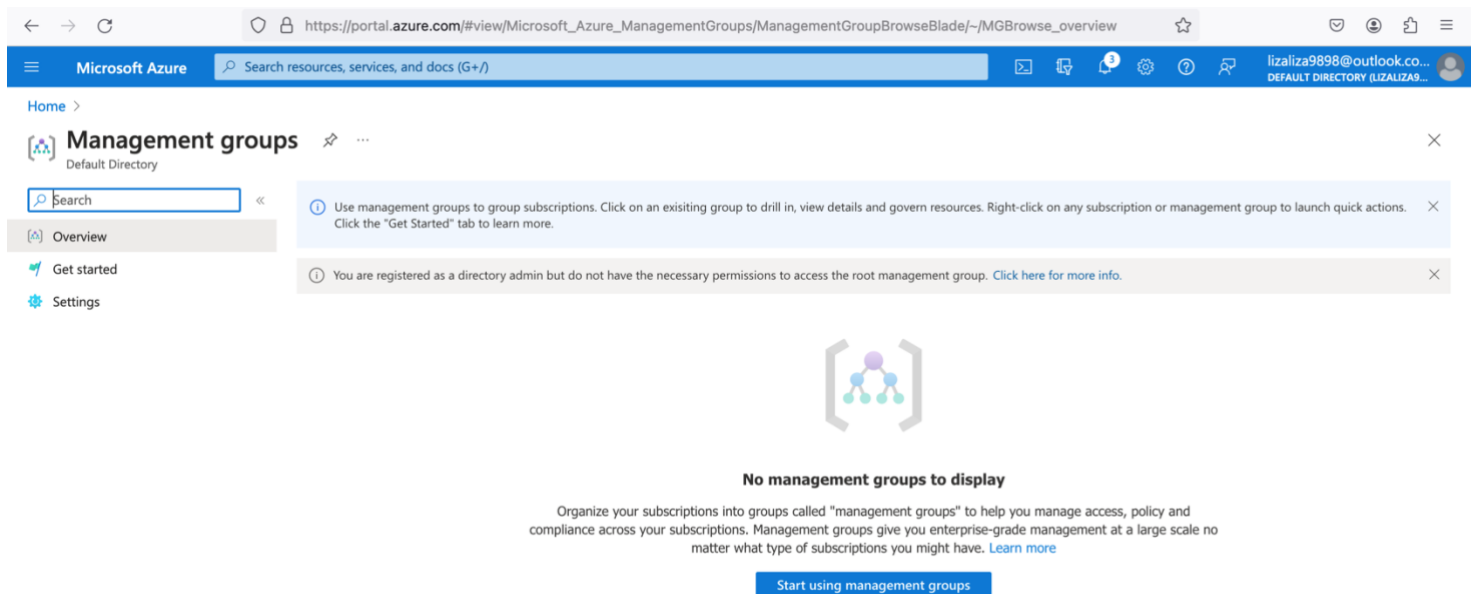
SFA Homework #10  
Elizabet Ivanova

*Lab 02a - Manage Subscriptions and RBAC*

*\*For conciseness, not every single step of the assignment is included here\**

## Task 1: Implement Management Groups

1. Since I did not have the permission to access the root management group...



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo and a search bar. The left sidebar shows the navigation menu with 'Overview', 'Get started', and 'Settings' options. The main content area displays the 'Management groups' page. A message states: 'No management groups to display'. Below this message, there is a brief explanation of management groups and a 'Start using management groups' button. The page also includes a search bar and a list of management groups (currently empty).

**No management groups to display**

Organize your subscriptions into groups called "management groups" to help you manage access, policy and compliance across your subscriptions. Management groups give you enterprise-grade management at a large scale no matter what type of subscriptions you might have. [Learn more](#)

[Start using management groups](#)

2. ...I modified the properties and the error message disappeared.

Microsoft Azure | Search resources, services, and docs (G+/)

Home > Default Directory

## Default Directory | Properties

Azure Active Directory

« Save Discard Got feedback?

- Administrative units
- Delegated admin partners
- Enterprise applications
- Devices
- App registrations
- Identity Governance
- Application proxy
- Custom security attributes (Preview)
- Licenses
- Cross-tenant synchronization (Preview)
- Azure AD Connect
- Custom domain names
- Mobility (MDM and MAM)
- Password reset
- Company branding
- User settings
- Properties**
- Security
- Monitoring

Name \*  
Default Directory ✓

Country or region  
Bulgaria

Location  
EU Model Clause compliant datacenters

Notification language  
English ✓

Tenant ID  
fc557d5c-30f4-4816-b27d-52f34ff93fdd

Technical contact  
lizaliza9898@outlook.com ✓

Global privacy contact  
✓

Privacy statement URL  
✓

Access management for Azure resources  
Elizabet Ivanova (lizaliza9898@outlook.com) can manage access to all Azure subscriptions and management groups in this tenant. [Learn more](#)

☒ Yes ☐ No

[Manage security defaults](#)

3. Adding the subscription:

Microsoft Azure | Search resources, services, and docs (G+/)

Home > Management groups > az104-02-mg1

## az104-02-mg1 | Subscriptions

Management group

Search

+ Add Refresh Feedback

Overview

**Subscriptions**

Resource Groups

Resources

Activity Log

Access control (IAM)

Governance

Showing 1 out of 1 subscriptions ☐ Only show direct child subscriptions ⓘ

Name	ID	Parent management group	Path
Azure Pass - Sponsorship	e29abe6c-d392-4ef5-9c66-5d25436f0796	az104-02-mg1	Tenant Root Group / az104-02-m...

## Task 2: Create custom RBAC roles

4. I was having problems with this task:

The screenshot displays the Microsoft Azure portal interface. The top navigation bar shows the Microsoft Azure logo and a search bar. The main content area is titled "Default Directory | Overview" under the "Azure Active Directory" section. The left sidebar contains a navigation menu with options like "Overview", "Preview features", "Diagnose and solve problems", and "Manage". The "Manage" section is expanded, showing "Users", "Groups", "External Identities", "Roles and administrators", "Administrative units", "Delegated admin partners", and "Enterprise applications". The "Overview" tab is selected, showing a search bar and a table of basic information for the Default Directory.

Basic information	
Name	Default Directory
Tenant ID	fc557d5c-30f4-4816-b27d-52f34ff93fdd
Primary domain	lizaliza9898outlook.onmicrosoft.com

Below the table, there are statistics for Users (1), Groups (0), and Applications (0). At the bottom of the screenshot, a PowerShell terminal window is open, showing the following output:

```
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

MOTD: Azure Cloud Shell now includes Predictive IntelliSense! Learn more: https://aka.ms/CloudShell/IntelliSense

VERBOSE: Authenticating to Azure ...
VERBOSE: Building your Azure drive ...
PS /home/elizabet> New-AzRoleDefinition -InputFile $HOME/az104-02a-customRoleDefinition.json
New-AzRoleDefinition: Operation returned an invalid status code 'Forbidden'
PS /home/elizabet>
```

5. I had some sleep and I just redid the whole lab so it worked:

The screenshot displays the Microsoft Azure portal interface. At the top, the navigation bar shows 'Microsoft Azure' and a search bar. The breadcrumb trail indicates the current location: 'Home > Management groups > az104-02-mg1'. The main heading is 'az104-02-mg1 | Subscriptions', with a 'Management group' label below it. A search bar and action buttons ('Add', 'Refresh', 'Feedback') are present. The left sidebar contains navigation links: 'Overview', 'Subscriptions' (selected), 'Resource Groups', 'Resources', 'Activity Log', 'Access control (IAM)', and 'Governance'. The main content area shows 'Showing 1 out of 1 subscriptions' and a checkbox for 'Only show direct child subscriptions'. A table lists the subscription details:

	ID	Parent management group	Path
<a href="#">Azure Pass - Sponsorship</a>	e29abe6c-d392-4ef5-9c66-5d25436f0796	az104-02-mg1	Tenant Rc

Below the portal, a PowerShell terminal window is open, showing the execution of the 'New-AzRoleDefinition' command. The output displays the properties of the newly created role definition:

```
VERBOSE: Authenticating to Azure ...
VERBOSE: Building your Azure drive ...
PS /home/elizabet> New-AzRoleDefinition -InputFile $HOME/az104-02a-customRoleDefinition.json

Name       : Support Request Contributor (Custom)
Id         : f372c844-ca4b-4d6c-96f9-941d00c1803d
IsCustom   : True
Description : Allows to create support requests
Actions    : {Microsoft.Resources/subscriptions/resourceGroups/read, Microsoft.Support/*}
NotActions : {}
DataActions : {}
NotDataActions : {}
AssignableScopes : {/providers/Microsoft.Management/managementGroups/az104-02-mg1,
                    /subscriptions/e29abe6c-d392-4ef5-9c66-5d25436f0796}
```

### Task 3: Assign RBAC roles

6. After creating a new user **az104-02-aaduser1**, I added a role assignment to that user:

The screenshot displays the Microsoft Azure portal interface for the 'az104-02-mg1' management group. The left sidebar shows the navigation menu with categories like Governance, Cost Management, and Security. The main content area is titled 'az104-02-mg1 | Access control (IAM)' and shows the 'Role assignments' tab. A search bar and filters (Type: All, Role: All, Scope: All scopes) are visible. The table below lists the role assignments:

Name	Type	Role	Scope	Contributor
<strong>Owner</strong>				
<input type="checkbox"/> Elizabet Ivanova (lizaliza9898_out...)	User	Owner	This resource	Add
<strong>Support Request Contributor (Custom)</strong>				
<input type="checkbox"/> az104-02-aaduser1 (az104-02-aadu...)	User	Support Request Contributor (Custom)	This resource	Add
<strong>User Access Administrator</strong>				
<input type="checkbox"/> Elizabet Ivanova (lizaliza9898_out...)	User	User Access Administrator	Root (Inherited)	Non...

7. Now, this user can see all resource groups:

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

Home >

## Resource groups

Default Directory (lizaliza9898outlook.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

0 Unsecure resources 0 Recommendations

No grouping List view

Name ↑↓	Subscription ↑↓	Location ↑↓
<input type="checkbox"/> cloud-shell-storage-west europe	Azure Pass - Sponsorship	West Europe

8. But not all resources:

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

Home >

## All resources

Default Directory (lizaliza9898outlook.onmicrosoft.com)


+ Create Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription equals all Resource group equals all Type equals all Location equals all Add filter

0 Unsecure resources 0 Recommendations

No grouping List view

Name ↑↓	Type ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
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**No resources match your filters**

Try changing or clearing your filters.







[Create resources](#) [Clear filters](#)

[Learn more](#)

## 9. And can create support requests:

Microsoft Azure

Search resources, services, and docs (G+/)



az104-02-aaduser1@liz...  
DEFAULT DIRECTORY (LIZALIZA9...

[Home](#) > [Help + support](#) >

### New support request

1. Problem description 2. Recommended solution 3. Additional details 4. Review + create

**Tell us your issue, and we'll help you resolve it.**

Provide information about your billing, subscription, quota management, or technical issue (including requests for technical advice).

Issue type \*

Service and subscription limits (quotas)

Subscription \*


Azure Pass - Sponsorship (e29abe6c-d392-4ef5-9c66-5d25436f0796)

Can't find your subscription? [Show more](#)

Quota type \*

Select a quota type

Next

 Give feedback