

Міністерство освіти і науки України
**Прикарпатський національний
університет імені В.Стефаника**

*Факультет математики та інформатики
Кафедра інформаційних технологій*

Лабораторна робота № 2а

з дисципліни
"Хмарні
технології"

Тема: Manage Subscriptions and RBAC

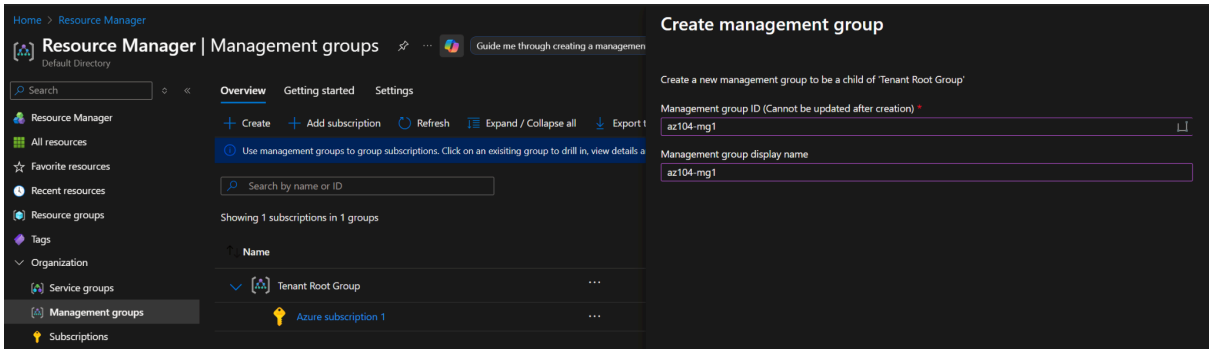
Виконав: **Будзяк Роман**

Група ІПЗ-41

Дата: 19 жовтня 2025 р.

Task 1: Implement management groups.

Створення групи управління



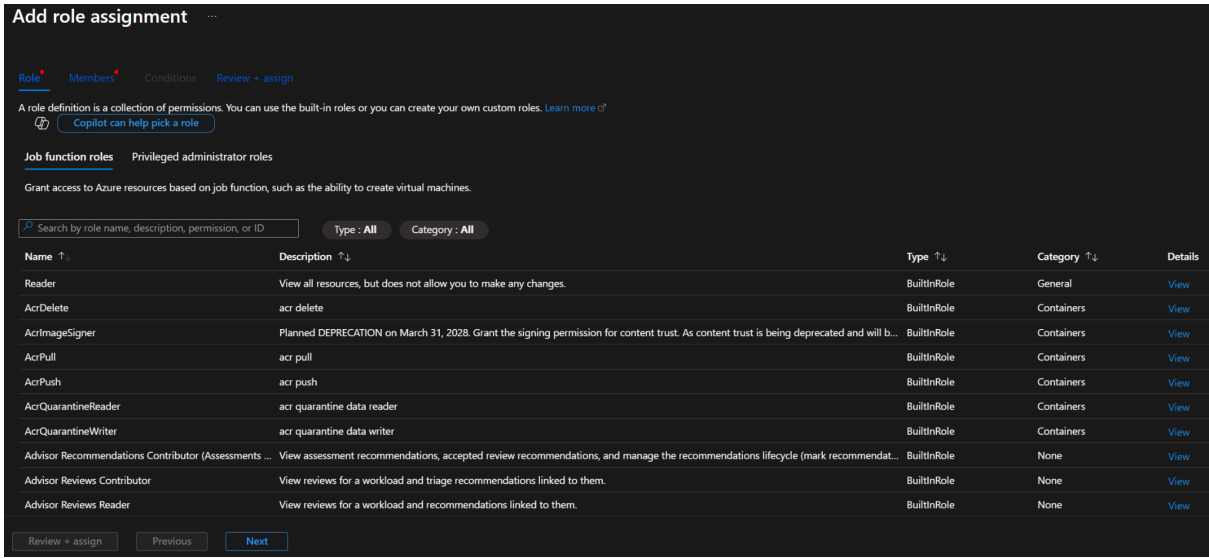
Група управління створена

Showing 1 subscriptions in 2 groups

Name	Type	ID	Total subscriptions
Tenant Root Group	Management group	f8dafb7e-cac7-47df-a68a-10ea367be74c	1
Azure subscription 1	Subscription	bb797eda-d832-402a-93a2-b4a307a0487e	
az104-mg1	Management group	az104-mg1	0

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

Призначення ролей



Add role assignment

Role

Members

Conditions

Review + assign

Role

Virtual Machine Contributor

Scope

/providers/Microsoft.Management/managementGroups/az104-mg1

Members

Name	Object ID	Type
helpdesk	caa86319-b1d9-41c9-82d5-a885a4c04a93	Group

Description

No description

Condition

None

Review + assign

Previous

Next

helpdesk має призначену роль

Check access

Role assignments

Roles

Deny assignments

Search by name or email

Type : All

Role : All

Scope : All scopes

Group by : Role

All (2)

Job function roles (1)

Privileged administrator roles (1)

<input type="checkbox"/>	Name ↑↓	Type ↑↓	Role ↑↓	Scope ↑↓	Condition ↑↓
▼	Owner (1)				
<input type="checkbox"/>	<div>RB</div> <div>Roman Budziak</div> <div>027ff69d-0905-42dd-a5a4-cd1e9c5...</div>	User	Owner	<div></div> This resource	Add
▼	Virtual Machine Contributor (1)				
<input type="checkbox"/>	<div>HE</div> <div>helpdesk</div> <div>caa86319-b1d9-41c9-82d5-a885a4c...</div>	Group	Virtual Machine Contributor	<div></div> This resource	Add


Showing 1 - 2 of 2 results.

Task 3: Create a custom RBAC role.

Створення кастомної ролі

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 * ⓘ Custom Support Request ✓

Description A custom contributor role for support requests.

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

Role to clone Support Request Contributor ⓘ

[Review + create](#) [Previous](#) [Next](#)

Create a custom role ...

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

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

Create

Previous

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

OK

Task 4: Monitor role assignments with the Activity Log.

Журнал активності

az104-mg1 | Activity Log

Management group

Search

Activity Edit columns Refresh Export Activity Logs Download as CSV Insights Feedback Pin current filters Reset filters

Overview Subscriptions Resource Groups Activity Log Access control (IAM) Governance Cost Management

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

Search Quick Insights

Management Group: az104-mg1 Subscription: None Event severity: All Timespan: Last 6 hours Operation: 0 selected Add Filter

3 items.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create or update custom role definition	Succeeded	14 minutes ...	Sun Oct 19 ...		hgjghcbx@gmail.com
Create role assignment	Succeeded	23 minutes ...	Sun Oct 19 ...		hgjghcbx@gmail.com
Create or Update	Succeeded	42 minutes ...	Sun Oct 19 ...		hgjghcbx@gmail.com

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

Search Quick Insights

Management Group: az104-mg1 Subscription: None Event severity: All Timespan: Last 6 hours Operation: Create role assignment (Microsoft.Authorization/roleAssignments/write) Add Filter

2 items.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create role assignment	Succeeded	26 minutes ...	Sun Oct 19 ...		hgjghcbx@gmail.com
Create role assignment	Succeeded	44 minutes ...	Sun Oct 19 ...		Azure Management Groups

Висновок: Вивчив про контроль доступу на основі ролей, як використовувати дозволи та діапазони для контролю дій, які можуть і не можуть виконувати ідентичності. Також як спростити керування підписками за допомогою груп керування.