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Інформатика і програмування

Лабораторна робота No 2

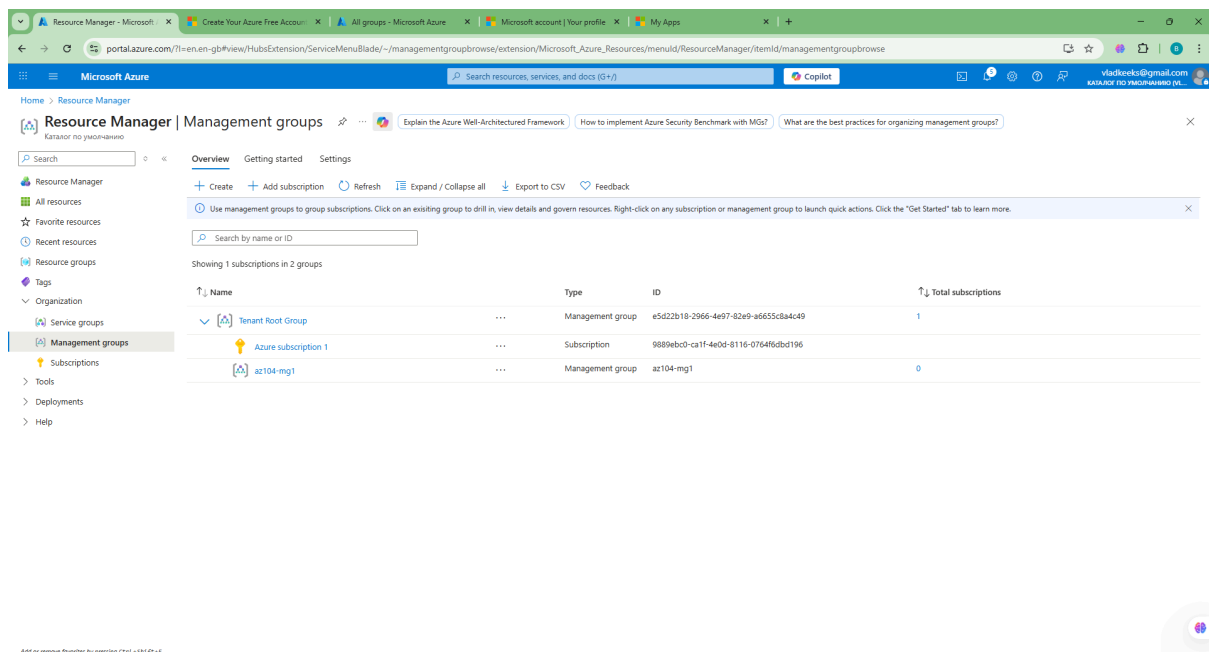
Тема: Manage Subscriptions and RBAC

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Дата: 12 грудня 2025
Викладач: Поварчук Д.Д

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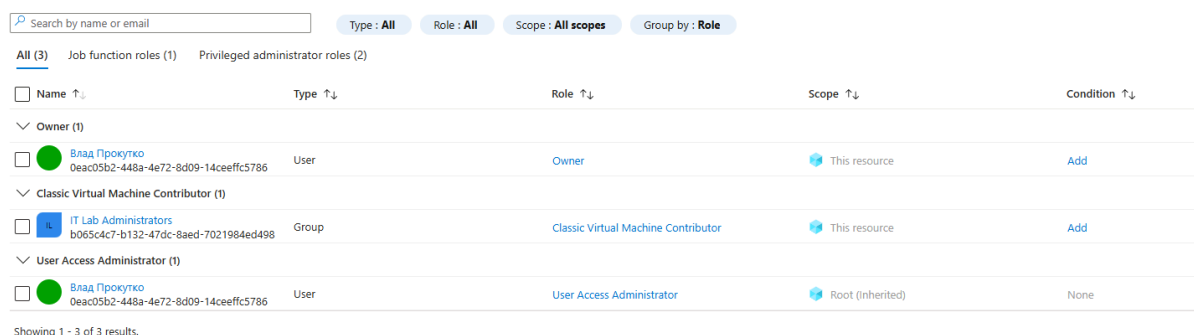
Task 1: Implement Management Groups

In this task, you will create and configure management groups. Management groups are used to logically organize and segment subscriptions. They allow for RBAC and Azure Policy to be assigned and inherited to other management groups and subscriptions. For example, if your organization has a dedicated support team for Europe, you can organize European subscriptions into a management group to provide the support staff access to those subscriptions (without providing individual access to all subscriptions). In our scenario everyone at the Help Desk will need to create a support request across all subscriptions.



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

In this task, you will review the built-in roles and assign the VM Contributor role to a member of the Help Desk. Azure provides a large number of [built-in roles](#).



Task 3: Create a custom RBAC role

In this task, you will create a custom RBAC role. Custom roles are a core part of implementing the principle of least privilege for an environment. Built-in roles might have too many permissions for your scenario. We will also create a new role and remove permissions that are not necessary. Do you have a plan for managing overlapping permissions?

All

Job function roles

Privileged administrator roles

Custom Support Request

×

Type : All

Category : All

<input type="checkbox"/> Name ↑↓	Description ↑↓	Type ↑↓
<input type="checkbox"/> Azure Customer Lockbox Approver for Subscription	Can approve Microsoft support requests to access specific resources contained within a subscription, or the subscription itself, whe...	BuiltInRole
<input type="checkbox"/> Custom Support Request	A custom contributor role for support requests.	CustomRole

Showing 1 - 2 of 2 results.

Task 4: Monitor role assignments with the Activity Log

In this task, you view the activity log to determine if anyone has created a new role.

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 activities for role assignments. The activity log can be filtered for specific operations.

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for Overview, Subscriptions, Resource Groups, Resources, Activity Log, Access control (IAM), Governance, Get started, Security, Policy, Deployments, Deployment stacks, Cost Management, Cost analysis, and Budgets. The main content area is titled 'az104-mg1 | Activity Log'. It includes a search bar, filters for Management Group (az104-mg1), Subscription (None), Event severity (All), and Timespan (Last 6 hours). Below the filters, a table lists 7 items. All items are 'Create or update custom role definition' operations that succeeded. The events were initiated by vladkeeks@gmail.com.

Operation name	Status	Time	Time stamp	Subscription	Event initiated by
Create or update custom role definition	Succeeded	16 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Create role assignment	Succeeded	19 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Delete role assignment	Succeeded	20 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Delete role assignment	Succeeded	20 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Create role assignment	Succeeded	22 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Create role assignment	Succeeded	22 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com
Create or Update	Succeeded	27 minutes ...	Thu Dec 11 ...		vladkeeks@gmail.com

