

# IT 236 Project Report Form

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Project Phase	Cloud User, Group, and License Management in Entra ID & MS365

## Section 1: Executive Summary

This phase of the NewVue Health Infrastructure Modernization Project focused on establishing foundational cloud identity services within Microsoft Entra ID and Microsoft 365.

Five pilot cloud user accounts were provisioned, and departmental security groups were created using a combination of Assigned and Dynamic membership models. Microsoft 365 E5 licenses were allocated to the pilot identities, and cloud authentication was validated through successful user sign-in to the Microsoft 365 portal.

These activities demonstrate the essential processes involved in cloud identity provisioning, group-based access structure, and licensing configuration. The work completed ensures that NewVue Health's cloud environment is prepared for the hybrid identity and device management components of the upcoming project phases.

## Section 2: Implementation & Verification Evidence

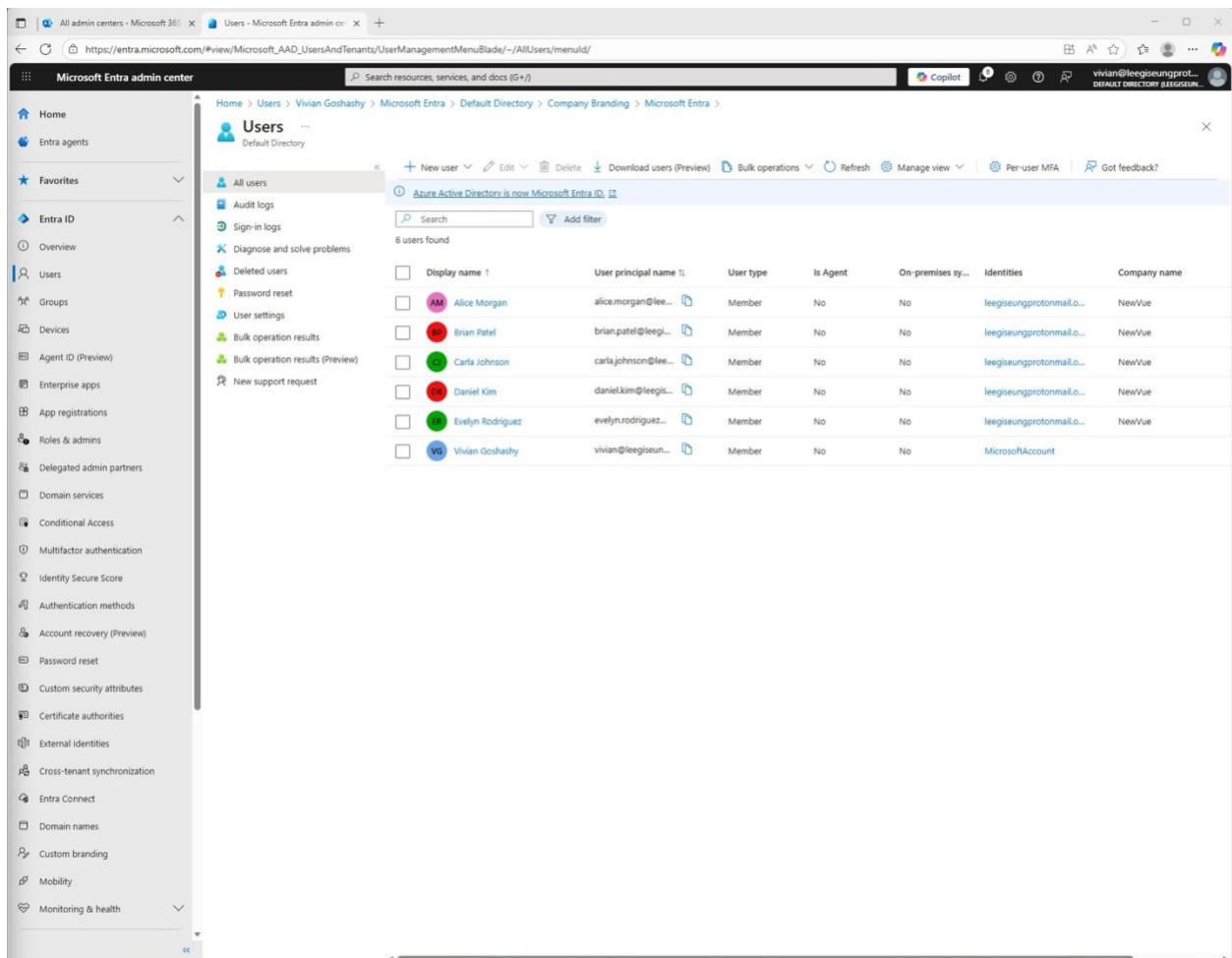
### Task 1-Cloud User Creation (20 pts)

A set of pilot cloud users was created in Microsoft Entra ID to represent key NewVue Health departments. Each account was configured with appropriate identity attributes, including job title and department as shown in the table below

User	Department	Job Title
Alice Morgan	Administration	Admin Coordinator
Brian Patel	Clinical Services	Registered Nurse
Carla Johnson	Human Resources	HR Generalist
Daniel Kim	IT Operations	Systems Administrator
Evelyn Rodriguez	Finance	Financial Analyst

### Evidence Requirements

- **Evidence 1:** Screenshot of the **All users** view showing all five pilot cloud identities.





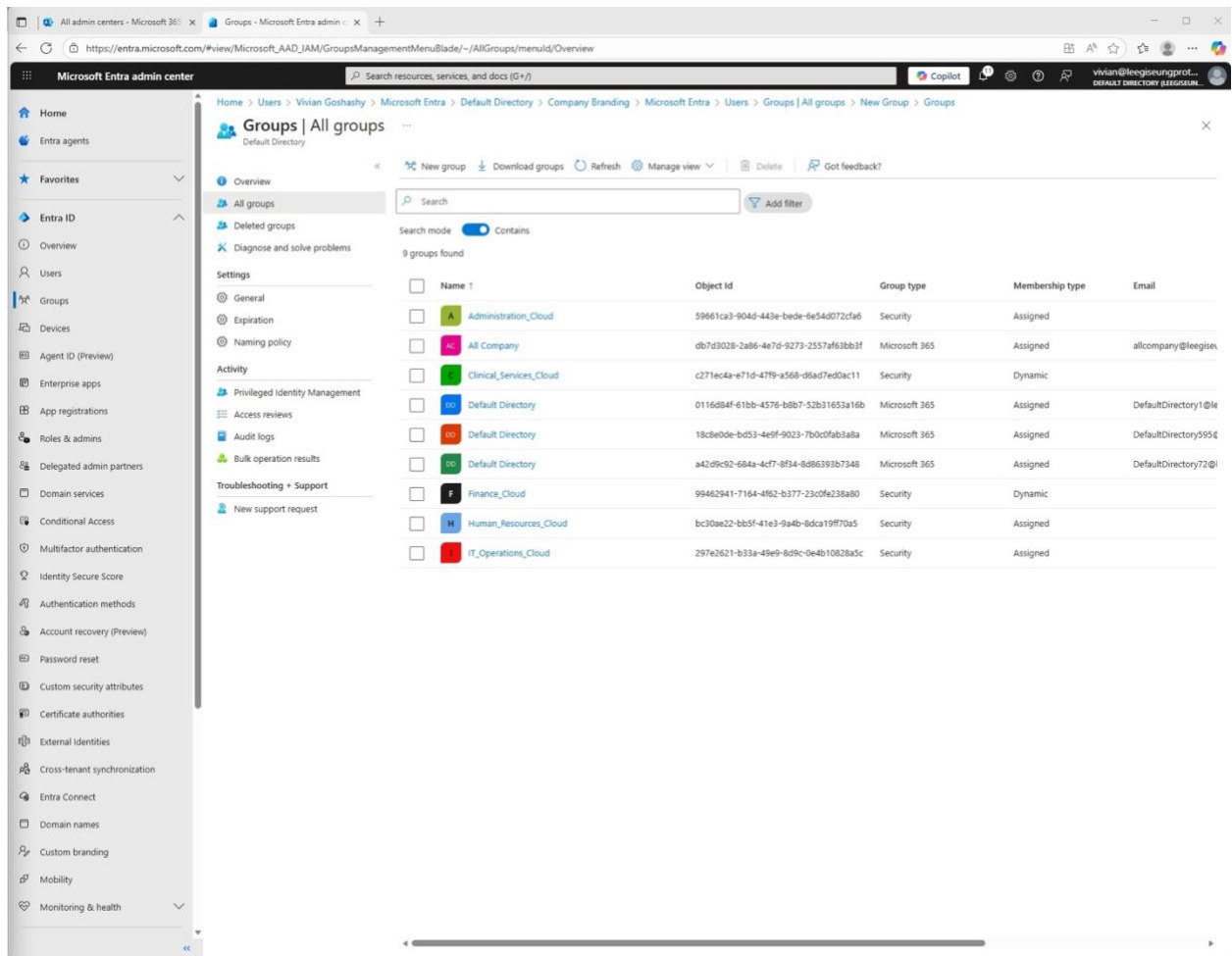
## Task 2— Group Creation (Assigned and Dynamic) (20 pts)

Department-based cloud security groups were created to establish structured access control. Three groups used Assigned membership, while two groups used Dynamic membership based on the user's Department attribute as shown in the table below.

Group Name	Group Type	Membership Type
Administration_Cloud	Security	Assigned
Human_Resources_Cloud	Security	Assigned
IT_Operations_Cloud	Security	Assigned
Clinical_Services_Cloud	Security	Dynamic User
Finance_Cloud	Security	Dynamic User

### Evidence Requirements

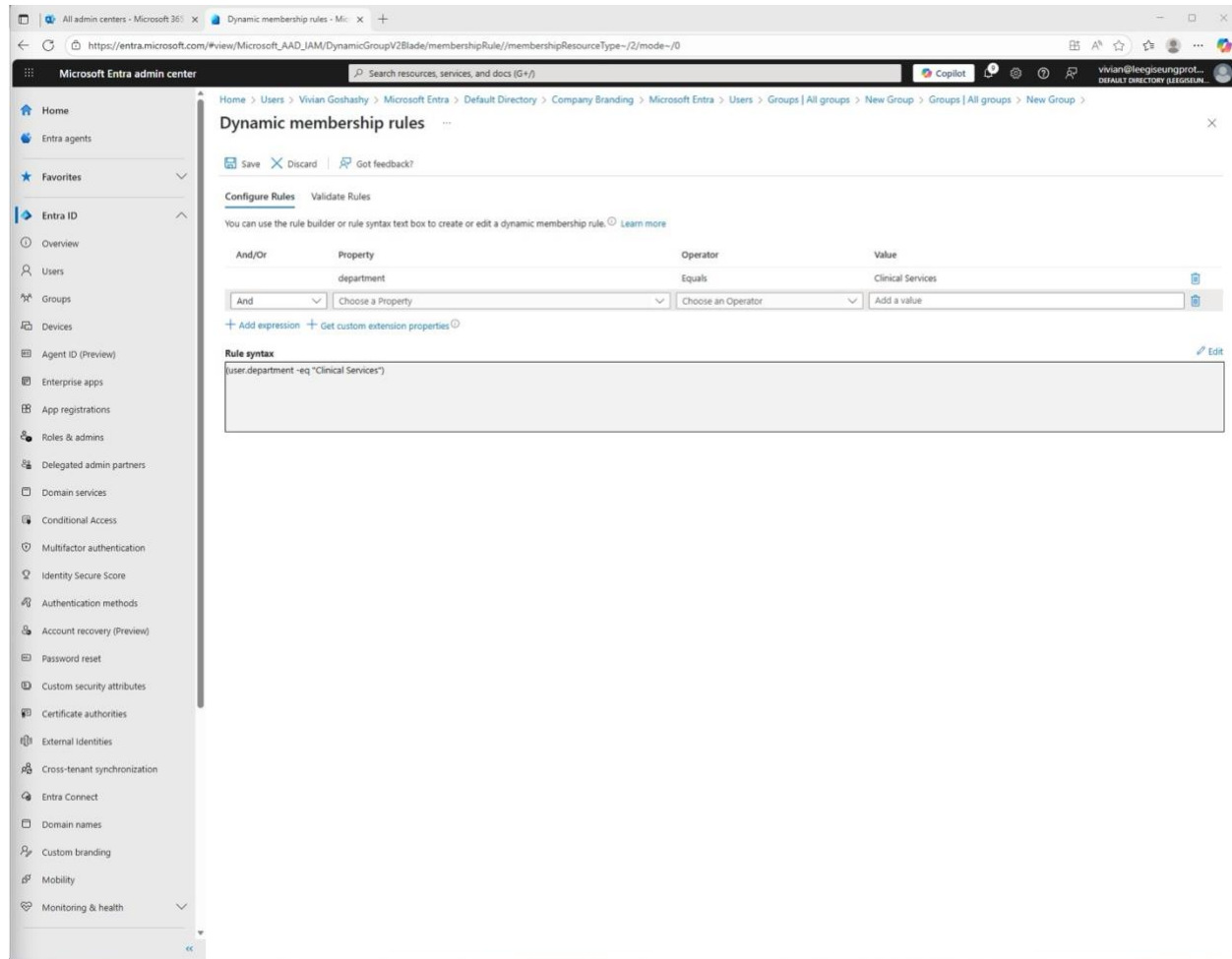
- **Evidence 2A:** Screenshot of **All groups** showing all five departmental groups.



The screenshot shows the Microsoft Entra admin center interface. The left sidebar contains navigation options like Home, Entra agents, Favorites, Entra ID, Overview, Users, Groups, Devices, Agent ID (Preview), Enterprise apps, App registrations, Roles & admins, Delegated admin partners, Domain services, Conditional Access, Multifactor authentication, Identity Secure Score, Authentication methods, Account recovery (Preview), Password reset, Custom security attributes, Certificate authorities, External identities, Cross-tenant synchronization, Entra Connect, Domain names, Custom branding, Mobility, and Monitoring & health. The main content area is titled 'Groups | All groups' and shows a list of 9 groups. The groups are listed in a table with columns for Name, Object ID, Group type, Membership type, and Email. The groups are: Administration\_Cloud (Security, Assigned), All Company (Microsoft 365, Assigned), Clinical\_Services\_Cloud (Security, Dynamic), Default Directory (Microsoft 365, Assigned), Default Directory (Microsoft 365, Assigned), Default Directory (Microsoft 365, Assigned), Finance\_Cloud (Security, Dynamic), Human\_Resources\_Cloud (Security, Assigned), and IT\_Operations\_Cloud (Security, Assigned).

Name	Object ID	Group type	Membership type	Email
Administration_Cloud	59961ca3-904d-443e-bede-de54d072cfe6	Security	Assigned	
All Company	db7d3028-2a86-4e7d-9273-2557af63bb3f	Microsoft 365	Assigned	allcompany@leegise...
Clinical_Services_Cloud	c271ec4a-e71d-47f9-a568-d6ad7ed0ac11	Security	Dynamic	
Default Directory	0116d94f-61bb-4576-bbb7-52b31653a16b	Microsoft 365	Assigned	DefaultDirectory1@le...
Default Directory	18c8e0de-bd53-4e9f-9023-7b0c0fab3a1a	Microsoft 365	Assigned	DefaultDirectory595...
Default Directory	a42d9c32-684a-4c7f-8f34-8d86393b7348	Microsoft 365	Assigned	DefaultDirectory72@...
Finance_Cloud	99462941-7164-4f62-b377-23c0fe238a80	Security	Dynamic	
Human_Resources_Cloud	bc30ae22-bb5f-41e3-9a4b-8dca19f70a5	Security	Assigned	
IT_Operations_Cloud	297e2621-b33a-49e9-8d9c-0e4b10828a5c	Security	Assigned	

- **Evidence 2B:** Screenshot of a **Dynamic membership rule** for either Clinical Services or Finance.



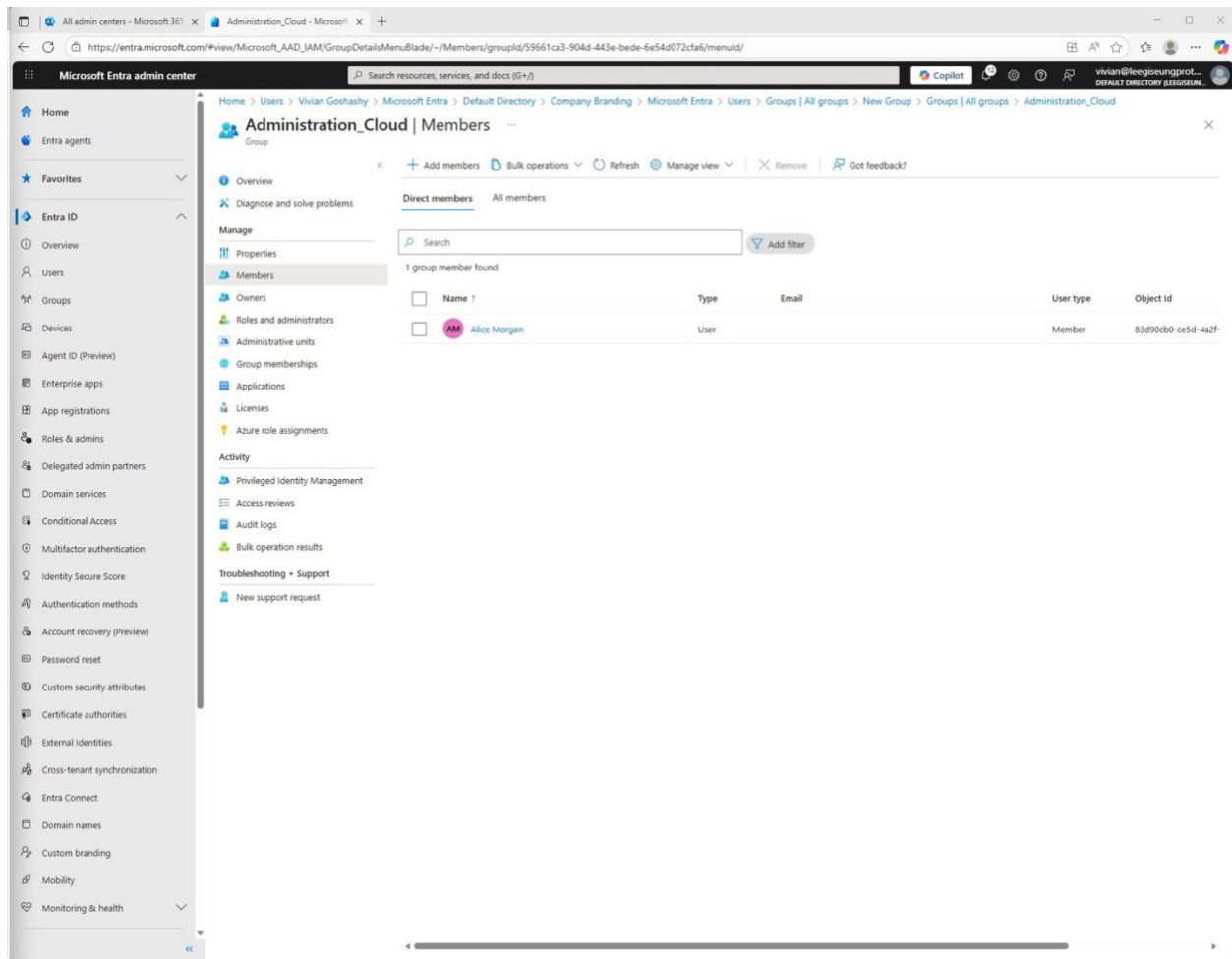
## Task 3— Group Membership Verification (10 points)

Assigned groups were manually populated with their designated users.

Dynamic groups automatically populated based on the configured membership rules.

### Evidence Requirements

- **Evidence 3A:** Screenshot of the **Members** tab for one Assigned group.



- **Evidence 3B:** Screenshot of the **Members** tab for one Dynamic group showing the auto-assigned member.

The screenshot shows the Microsoft Entra admin center interface. The left sidebar contains navigation options such as Home, Entra agents, Favorites, and various management tools. The main content area is titled "Clinical\_Services\_Cloud | Members" and shows the "Members" tab selected. A search bar and "Add filter" button are present. Below, a table lists the group members. One member, Brian Patel, is shown as an auto-assigned member.

Name	Type	Email	User type	Object id
Brian Patel	User		Member	c9620ac9-4bab-4117-

## Task 4— Microsoft 365 E5 License Assignment (10 points)

Pilot users were allocated Microsoft 365 E5 licenses through the Microsoft 365 Admin Center to enable access to cloud productivity services.

### Evidence Requirements

- **Evidence 4:** Screenshot(s) showing at least **two** cloud users with Microsoft 365 E5 licenses assigned.

The screenshot displays the Microsoft 365 Admin Center interface. On the left, a navigation pane lists various administrative areas including Copilot, Users, Devices, Teams & groups, Roles, Resources, Marketplace, Billing, Support, Settings, Setup, Reports, Health, and Admin centers. The main content area is titled 'Active users' and shows a list of users. The user 'Alice Morgan' is selected, and her details are shown on the right. Under the 'Licenses and apps' tab, it indicates that a 'Microsoft 365 E5' license is assigned to her, with 23 of 25 licenses available. A 'Save changes' button is visible at the bottom right.

Display name	Username
<input checked="" type="checkbox"/> Alice Morgan	alice.morgan@keegianu...
<input type="checkbox"/> Brian Patel	brian.patel@keegianu...
<input type="checkbox"/> Carla Johnson	carla.johnson@keegianu...
<input type="checkbox"/> Daniel Kim	daniel.kim@keegianu...
<input type="checkbox"/> Evelyn Rodriguez	evelyn.rodriguez@keegianu...
<input type="checkbox"/> Vivian Goshasty	vivian@keegianu...

**Alice Morgan**

Account | Devices | **Licenses and apps** | Mail | OneDrive

Your changes have been saved.

The trial subscription for Microsoft 365 E5 Trial expires on 12/17/2025. Buy this subscription so they won't lose access when the trial ends.

Select location: United States

**Licenses (1)**

- ☒ Microsoft 365 E5 (23 of 25 licenses available)

**Apps (90)**

[Save changes](#)

User Details Panel - Microsoft 365Groups - Microsoft Entra admin center

https://admin.cloud.microsoft.com/users/UserDetails/c9620ac9-4bab-4117-adbd-ac45a839dd0a/LicensesAndApps

Microsoft 365 admin center

Search

Copilot

Users

Active users

Contacts

Guest users

Deleted users

Devices

Teams & groups

Roles

Resources

Marketplace

Billing

Your products

Licenses

Bills & payments

Billing accounts

Payment methods

Billing notifications

Cost Management

Support

Settings

Setup

Reports

Health

Admin centers

Security

Microsoft Purview

Microsoft Intune

Identity

Azure

Exchange

SharePoint

Home > Active users

Active users

Add a user

Multi-factor authentication

Refresh

Delete user

Filter set: Commonly usedLicensesSign-in statusDomain

☐ Display name ↑

☐ Alice Morgan

☒ Brian Patel

☐ Carla Johnson

☐ Daniel Kim

☐ Evelyn Rodriguez

☐ Vivian Goshashy

alice.morgan@leegistur

brian.patel@leegistur

carla.johnson@leegistur

daniel.kim@leegistur

evelyn.rodriguez@leegistur

vivian@leegistur

BP

Brian Patel

Reset password

Block sign-in

Delete user

Account

Devices

Licenses and apps

Mail

OneDrive

Your changes have been saved.

The trial subscription for Microsoft 365 E5 Trial expires on 12/17/2025. Buy this subscription so they won't lose access when the trial ends.

Select location

United States

Licenses (1)

☒ Microsoft 365 E5

22 of 25 licenses available

Apps (90)

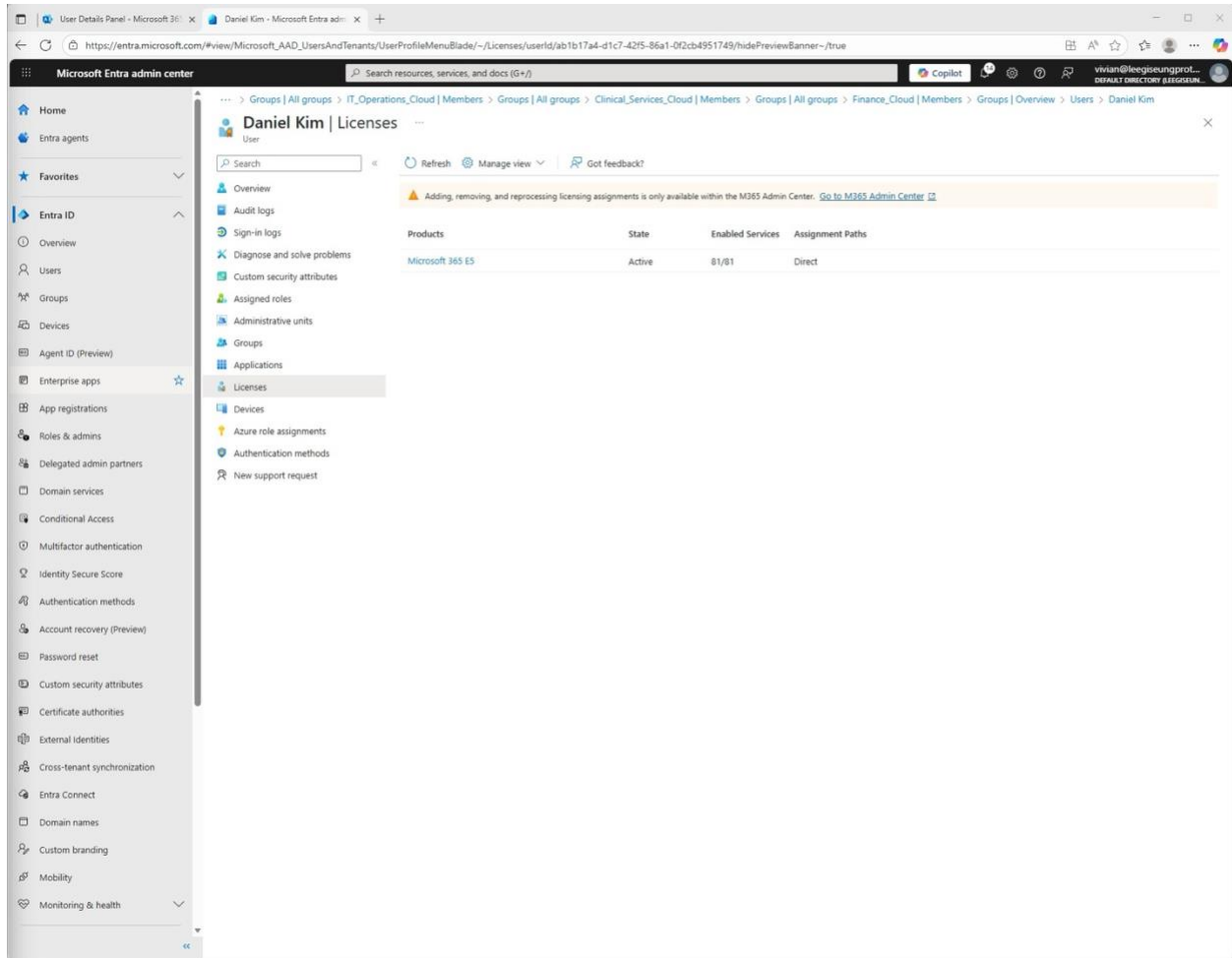
Save changes

## Task 5 - Cloud Identity Verification (10 pts)

Identity configuration was verified through the Entra Admin Center by reviewing each user's assigned licenses and group memberships.

### Evidence Requirements

- **Evidence 5A:** Screenshot of the **Licenses** tab for one user confirming assignment of Microsoft 365 E5.



- **Evidence 5B:** Screenshot of the **Groups** tab for the same user confirming correct group membership.

The screenshot shows the Microsoft Entra admin center interface. The left sidebar contains navigation options such as Home, Entra agents, Favorites, Entra ID, Overview, Users, Groups, Devices, Agent ID (Preview), Enterprise apps, App registrations, Roles & admins, Delegated admin partners, Domain services, Conditional Access, Multifactor authentication, Identity Secure Score, Authentication methods, Account recovery (Preview), Password reset, Custom security attributes, Certificate authorities, External identities, Cross-tenant synchronization, Entra Connect, Domain names, Custom branding, Mobility, and Monitoring & health.

The main content area displays the 'Groups' tab for the user 'Alice Morgan'. The breadcrumb navigation path is: Groups > All groups > IT\_Operations\_Cloud > Members > Groups > All groups > Clinical\_Services\_Cloud > Members > Groups > All groups > Finance\_Cloud > Members > Groups > All groups > Users > Alice Morgan. The page title is 'Alice Morgan | Groups'. Below the title, there are buttons for '+ Add memberships', 'Remove memberships', 'Refresh', 'Columns', and 'Got feedback?'. A search bar is also present.

The table below lists the groups that Alice Morgan is a member of:

Name	Object ID	Group Type	Membership Type	Email	Source
Administration_Cloud	59661ca3-904d-443e-bede-6...	Security	Assigned		Cloud
Default Directory	a42d9c92-684a-4cf7-8f34-8d...	Microsoft 365	Assigned	DefaultDirectory72@leegiseu...	Cloud

## Task 6 - Cloud Sign-In Validation (10 pts)

A pilot user successfully authenticated into the Microsoft 365 portal, confirming correct licensing, identity creation, and cloud authentication flow.

### Evidence Requirements

- **Evidence 6:** Screenshot of the Microsoft 365 **home screen** after signing in as one of the pilot users.

