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Microsoft CERTIFIED

EXPERT

🔐 MANAGE ACCESS TO ENTERPRISE APPLICATIONS IN MICROSOFT ENTRA

Enable secure authentication, enforce least privilege, and streamline app access control.

Perparim Abdullahu | #PerparimLabs | Microsoft Entra | SC-300 Lab

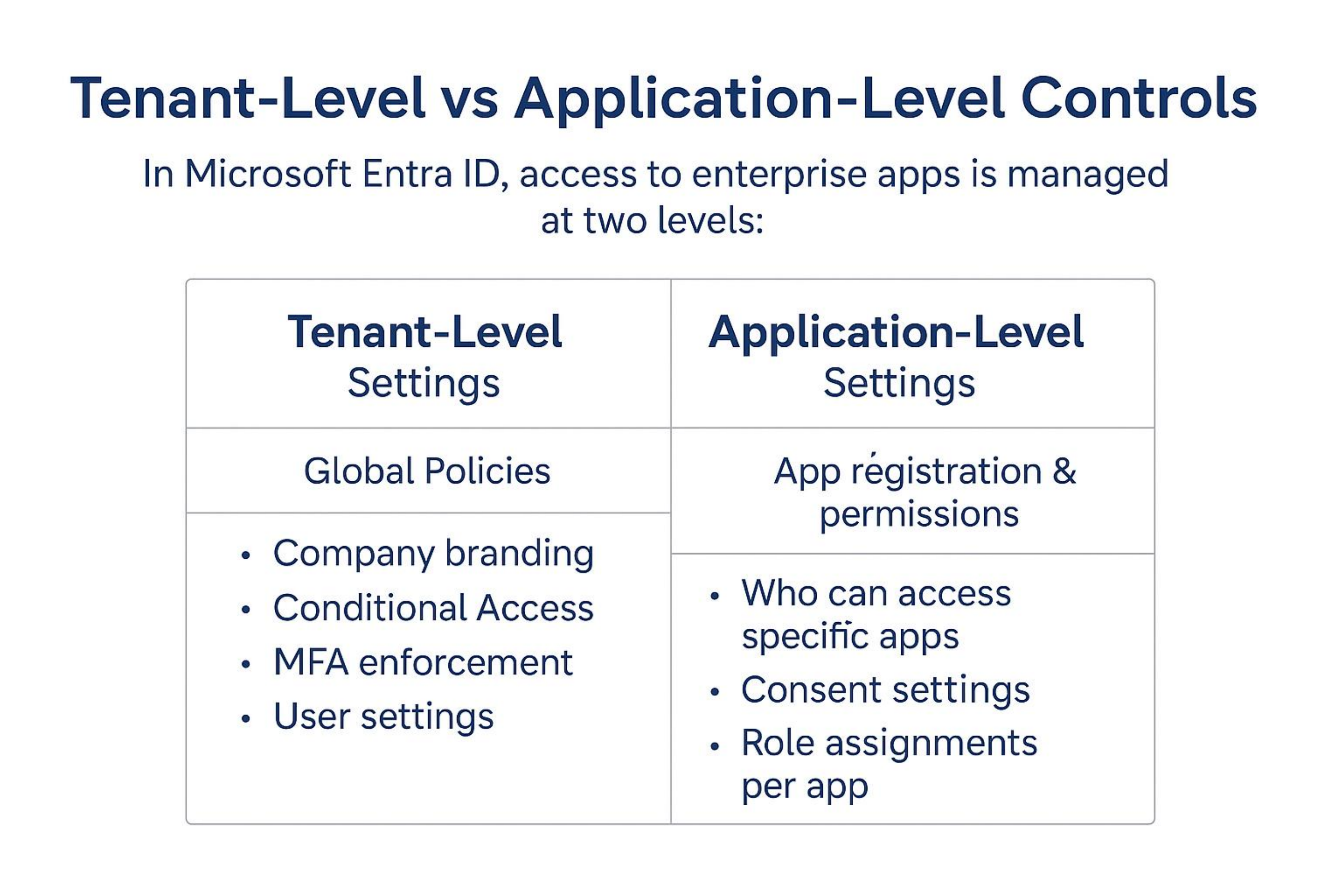
⚠️ THE CHALLENGE: SECURE ACCESS TO CLOUD & SAAS APPLICATIONS

Modern organizations rely on SaaS and cloud-hosted applications. Admins must control:

- Who can access which apps
- Whether external users can connect
- What data apps can read via **user consent**

Introduce the problem of uncontrolled access and the need for centralized management.

🎯 TENANT-LEVEL VS APPLICATION-LEVEL CONTROLS



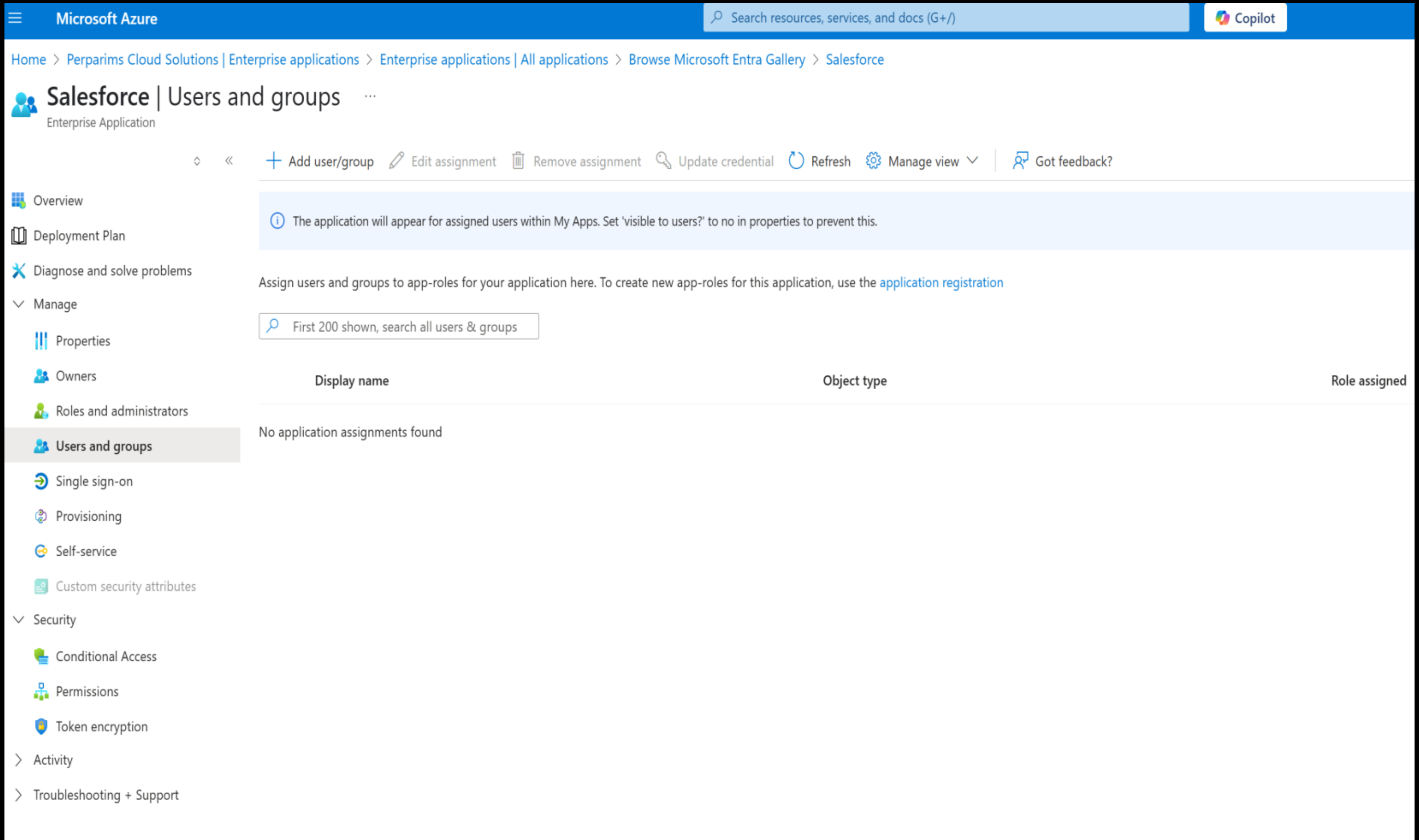
Tenant-Level vs Application-Level Controls

In Microsoft Entra ID, access to enterprise apps is managed at two levels:

Tenant-Level Settings	**Application-Level** Settings
Global Policies	App régistration & permissions
• Company branding • Conditional Access • MFA enforcement • User settings	• Who can access specific apps • Consent settings • Role assignments per app

➕ ADD A SAAS APP & ASSIGN ACCESS TO USERS

- From Microsoft Entra ID:
- Go to **Enterprise Applications**
- Click **+ New Application**
- Choose a SaaS app (e.g., Box, Adobe, Salesforce)
- Click **Create**
- Assign users or groups to the app
- Users can access it via myapps.microsoft.com



The application will appear for assigned users within My Apps. Set 'visible to users?' to no in properties to prevent this.

Assign users and groups to app-roles for your application here. To create new app-roles for this application, use the application registration

First 200 shown, search all users & groups

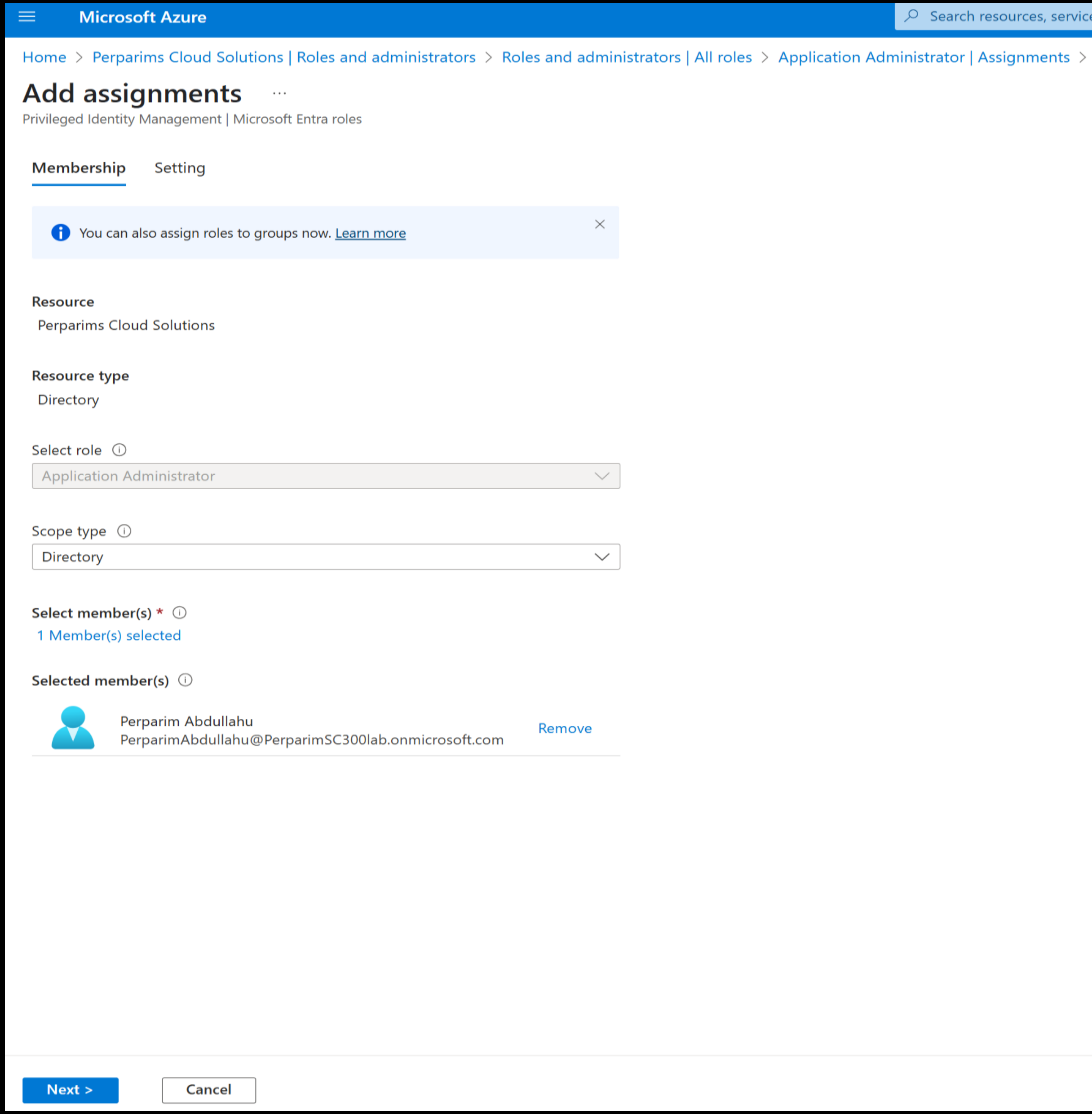
Display name	Object type	Role assigned
No application assignments found		

🔐 **Benefit:**

Centralized control of which users can access which apps — no need for local credentials.

DELEGATE APP MANAGEMENT WITH LEAST PRIVILEGE

- Instead of making someone a Global Admin, use these two built-in Entra roles:
- ✅ **Application Administrator**
- Full control over **all apps**
- Can manage SSO, permissions, app registrations
- ✅ **Cloud Application Administrator**
- Can only manage **apps they created or were assigned**
- Ideal for limited scope app ownership
- 🎯 Assign via:
  Entra ID > Roles and Administrators > Add Assignment



Home > Perparims Cloud Solutions | Roles and administrators > Roles and administrators | All roles > Application Administrator | Assignments >

Add assignments ...

Privileged Identity Management | Microsoft Entra roles

You can also assign roles to groups now. Learn more

Resource
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Resource type
Directory

Select role ⓘ
Application Administrator

Scope type ⓘ
Directory

Select member(s) * ⓘ
1 Member(s) selected

Selected member(s) ⓘ
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Remove

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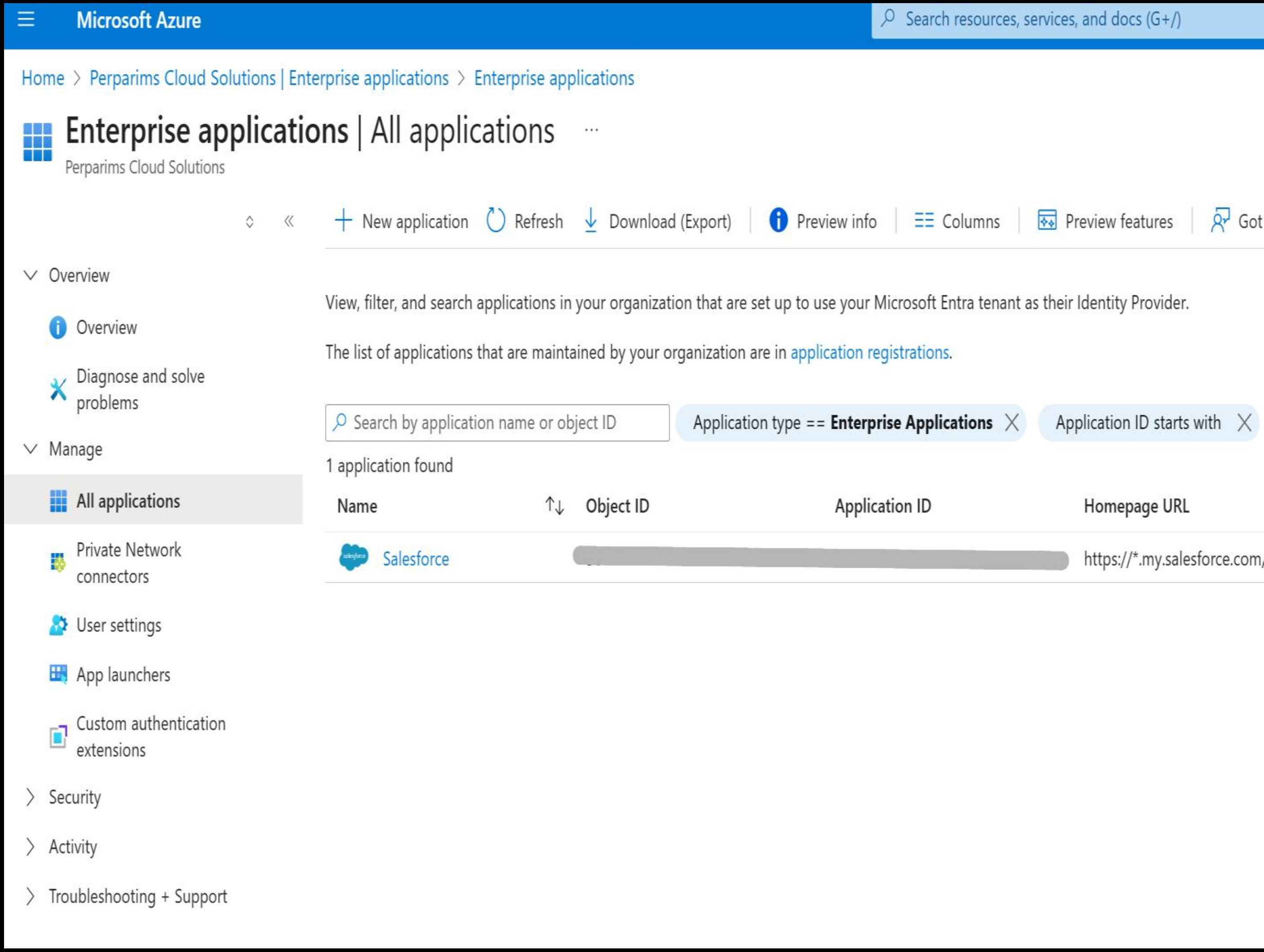
✅ RESULT: CENTRALIZED APP ACCESS + ADMIN DELEGATION

- With Microsoft Entra:

- 🔐 Users only see apps they’ve been assigned
  🔄 Admins can manage apps securely based on their role
  🛡️ Conditional Access, SSO, and permissions are applied automatically
  🚫 No need for Global Admin rights just to assign apps

- This model supports **Zero Trust** and scales well in hybrid environments.



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Got
Overview
Overview
Diagnose and solve problems
Manage
All applications
Private Network connectors
User settings
App launchers
Custom authentication extensions
Security
Activity
Troubleshooting + Support

View, filter, and search applications in your organization that are set up to use your Microsoft Entra tenant as their Identity Provider.

The list of applications that are maintained by your organization are in application registrations.

Search by application name or object ID

Application type == **Enterprise Applications** ✕

Application ID starts with ✕

1 application found

Name	Object ID	Application ID	Homepage URL
Salesforce	[redacted]	[redacted]	https://*.my.salesforce.com/

🔁 KEY TAKEAWAYS FROM THIS ENTRA ID LAB

- ✅ Manage enterprise app access at **both tenant & app levels**
- ✅ Assign **only the needed Entra roles** (least privilege)
- ✅ Add apps from the gallery & control who can access them
- ✅ Use **Application Admin** or **Cloud App Admin** for delegated app control
- ✅ Deliver secure access through SSO + Conditional Access
- 🔐 All powered by Microsoft Entra ID & aligned with SC-300

🔐 Built in #PerparimLabs

🧱 Based on SC-300 | Microsoft Entra Identity Admin
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📂 Follow for real-world labs, identity security, and Azure architecture

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