

Secure Collaboration in Microsoft Teams

Module 1: Azure AD App Registration

Hands-on Lab Step-by-Step

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# Azure AD App Registrations

## Introduction: Teams Request and Automated Provisioning

Imagine an organization that would like to have a little more control over the provisioning of assets withing Office 365, specifically in this case Microsoft Teams. The organization would like to have a request and provisioning process that follows their rules, allow for the ability to collaborate with people external to their organization (vendors, partners, etc.) as well as be easy to use.

## Solution overview

The Microsoft collaboration and business application platform technologies enable users to build a solution to meet this goal. The application user interface and interaction logic are built in PowerApps, the approval workflow is automated using Microsoft Flow, and the device order data is stored in SharePoint.

Key features of the solution:

1. Ability to submit a request for a new Microsoft Team
2. Follow the provisioning process for the request
3. Provide notifications in Teams to the relevant parties involved
4. Allow for individual Teams to have Guests allowed, or not

## Exercise 1: Create an Azure Active Directory Application Registration

An Azure Active Directory Application Registration (or AAD AppReg) provides the ability for the application we’re creating to communicate with the Microsoft Graph. This will not only provide the access to the Graph, but to the specific operations in the Graph required to perform our scenario.

### 1: Sign-in to the Azure Portal

1. Open an **InPrivate** browser session
2. Go to <https://portal.azure.com>
3. Sign in with your user credentials

### 2: Create a new Azure AD Application Registration

|  |  |
| --- | --- |
| 1. Select **Azure Active Directory** |  |
| 1. Select **App registrations** |  |
| 1. Select **New registration** |  |
| 1. Enter the following details for your AAD AppReg    1. **Name**: ***U#****CreateTeam*       1. Where **U#** = the letter ‘U’ and the number in your user id, for example User2 would be **U2CreateTeam**    2. **Supported account type**: *Accounts in this organizational directory only*    3. **Redirect URI**: *Web*; [*https://localhost*](https://localhost) |  |
| 1. Click **<Register>** |  |

### 3: Configure APIs for Team Creation and Configuration

|  |  |
| --- | --- |
| 1. Click **<View API permission>** |  |
| 1. Click **<Add a permission>** |  |
| 1. Select the **Microsoft Graph** API box |  |
| 1. Select the **Application permissions** box |  |
| 1. Scroll down and expand the **Directory** node and select *Directory.ReadWrite.All* |  |
| 1. Scroll down and expand the **Group** node and select *Group.ReadWrite.All* |  |
| 1. Click **<Add Permissions>** as the bottom of the list |  |
| 1. Click **<Grant admin consent for…>** |  |
| 1. Answer *Yes* for **Do you want to grant consent for the requested permissions for all accounts in…** |  |
| 1. Make sure the **green** check marks appear for the permissions listed |  |

### 4: Configure Secret for the App Registration

|  |  |
| --- | --- |
| 1. Select **Certificates & secrets** |  |
| 1. Click **<New client secret>** |  |
| 1. Enter the following details for your client secret    1. **Description**: ***U#****CreateTeamSecret*       1. Where **U#** = the letter ‘U’ and the number in your user id, for example User2 would be **U2CreateTeamSecret**    2. **Expires**: *Never* |  |
| 1. Click **<Add>** |  |
| 1. **Copy** the generated secret value and place it in Notepad    1. **Note**: this ***must*** be done as the secret value display will disappear and cannot be copied later |  |
| 1. Click **<Overview>** |  |
| 1. Copy the **Application (client) ID** and **Directory (tenant) ID** and keep them with your secret from step 5. |  |

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