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organizations
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CMA Installation Document

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1. Pre-Deployment Steps

1.1. Create a Security Group

1. Go to **Microsoft Entra ID** → **Groups**
2. Click + **New group**
 - Group type: Security
 - Name: "any name you would like to provide"
3. Click **Create**
4. Open the group → **Members** → Add users who should have access to the CMA application
5. Copy the **Object ID** (needed for backend token validation)

1.2. Register Unified Azure AD App

Step 2: Register Unified Azure AD App

1. Go to **App registrations** → + **New registration**
2. Name: "any name you would like to provide"
3. **Supported account types**: *Accounts in this organizational directory only*
4. Click **Register**

1.3. Expose Backend API Scopes

1. Go to **Expose an API**
2. Click **Set Application ID URI**
→ use: api://<client-id of app registration created earlier>
3. Click + **Add a scope**
 - Scope name: access_as_user_dotnet
 - Who can consent: Admins only
 - Description: "Access .NET backend"
4. Add another scope: access_as_user_python
 - Description: "Access Python backend"
 - State: Enabled
5. Click **Grant admin consent**

1.4. Add Microsoft Graph Permissions

These permissions may be added already.

1. Go to **API permissions** → + **Add a permission**
2. Choose: **Microsoft Graph**
3. Delegated permissions → User.Read
4. Click **Grant admin consent**

1.5. Add Group Claims to Token

These permissions may be added already.

1. Go to **Token Configuration** → + **Add Group Claim**
2. Select:
 - *Security groups*
 - Group ID format: *Group ID (The group created as part of earlier steps)*
 - Do **not** check "Emit groups as role claims"
3. Click **Add**

1.6. Add Users to AppAccessGroup

1. Go back to **Groups**
2. Select Security group created earlier
3. Add your intended Azure AD users. These users will have access to the application.

2. Getting Application from Marketplace

1. Navigate to [Microsoft Azure Marketplace](#)
2. Click the "**Get It Now**" button.
3. Sign in using your username and password if prompted.
4. Click **Continue**. It will reroute you to a different link.
5. Click on **Create**
6. Select **Subscription, Resource Group, and Region** under the Basics Tab.
7. Click **Next**.
8. To deploy CMA, provide the **CLIENT_ID** of the app registration and the **GROUP_OBJECT_ID** of the security group created during Pre-Setup.
9. Click **Next**.
10. Click **Create**. *This process takes roughly 30 minutes to complete. You must wait until all resources in the selected resource group have been provisioned. Once deployment is complete, follow the post-deployment steps specified below.*

3. Post Deployment Steps

1. Login to **Microsoft Entra ID** and open the app registration made during pre-deployment procedures.
2. Click on **Authentication**.
3. Click on **Add Platform**.
4. Click on the **single-page application**.
5. Please include the **CMA-API application** link in the Redirect URIs field. Check for **CMA-API application** in resource group and get a link from default domain. e.g. <https://cma-api-vscfhaddadadadda.azurewebsites.net>
6. Click **Configure**.
7. Try visiting a CMA-API application from the resource group. Members of the AD group that we formed as part of the pre-deployment configuration will have access to the application. Members who are not part of the AD group will be unable to use the application.