

Extend Azure AD to add pronouns to a people card component in Power Apps using Microsoft Graph

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About Luise

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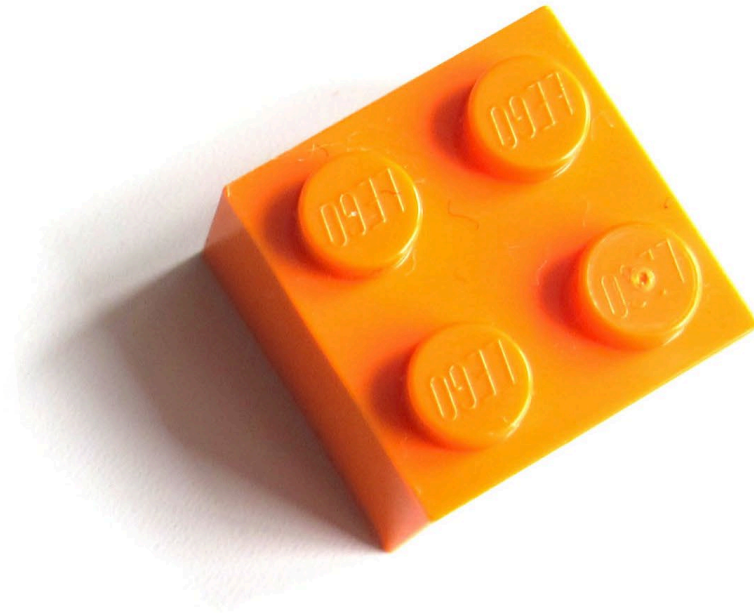
People cards built with Microsoft Graph toolkit are awesome

- 🙅 MGT is not available in Power Apps
- 😐 Even in 2023 there is no pronouns field
- 🌟 You can create add custom data to Microsoft Graph API



Overview

1. Register application in AAD to create extension
2. Graph Explorer:
 - Associate new property with user object
 - Patch user with new property
 - Get user to check if property is in place
3. Create custom connector for Power Platform
4. Use custom connector in a Power Apps canvas app to display and patch pronouns





Demo

Create the extension

1. Register an app in AAD

```
m365 aad app add --name 'Graph-demo1' --withSecret --apisApplication  
'https://graph.microsoft.com/Directory.ReadWrite.All' --grantAdminConsent
```

2. Create an extension for pronouns and associate it with the user object

<https://graph.microsoft.com/v1.0/applications/<app object id>/extensionProperties>

```
{  
  "name": "pronouns",  
  "dataType": "String",  
  "targetObjects": [  
    "User"  
  ]  
}
```

Patch the new property

3. Grab the

`extension_{appId-without-hyphens}_{extensionProperty-name}`

from the response

4. PATCH

<https://graph.microsoft.com/v1.0/users/{userId}>

```
{  
  "extension_8ceab131804c47278376509101e201c3_userPronouns": "he/him"  
}
```

Did it work?

5. GET

`https://graph.microsoft.com/v1.0/users/{userId}?$select=displayName,
extension_8ceab131804c47278376509101e201c3_userPronouns`

6. Control response

```
{  
  "@odata.context":  
    "https://graph.microsoft.com/v1.0/$metadata#users(displayName,extension_8ceab131804c472783765  
09101e201c3_userPronouns)/$entity",  
  "displayName": "Grady Archie",  
  "extension_8ceab131804c47278376509101e201c3_userPronouns": "he/him"  
}
```


Create Custom Connector

- With an action to GET
<https://graph.microsoft.com/v1.0/users/{userid}>
parameter for your new extension
- With an action to PATCH
<https://graph.microsoft.com/v1.0/users/{userid}>
provide a value for the new extension

Create a component in Power Apps

- Gallery for people to choose from
- Nested containers for the tabs and sections
- Using `/users/{id}/presence` to get their Teams status
- Using `/users/{id}` to get skills, aboutMe and responsibilities

Resources

- Sample coming soon – just needs some glam up

adoption.microsoft.com/sample-solution-gallery/?keyword=Luise

- Blog post: <https://www.m365princess.com/blogs/azure-ad-directory-extensions/>