# 2019 Global Azure BOOTCAMP

# Integrate Microsoft Graph with Azure Active Directory in your cloud applications





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Azure Meetup Frankfurt Frankfurt University of Applied Sciences Saturday, April 27<sup>th</sup>, 2019



### Agenda

- Microsoft Graph
  - · What?
  - · Why?
  - · How?
  - · Demo
- Azure Active Directory
  - · What?
  - · Why?
  - · How?
  - · Demo
- MS Graph ♥ AAD

# Microsoft Graph

#### What is Microsoft Graph?

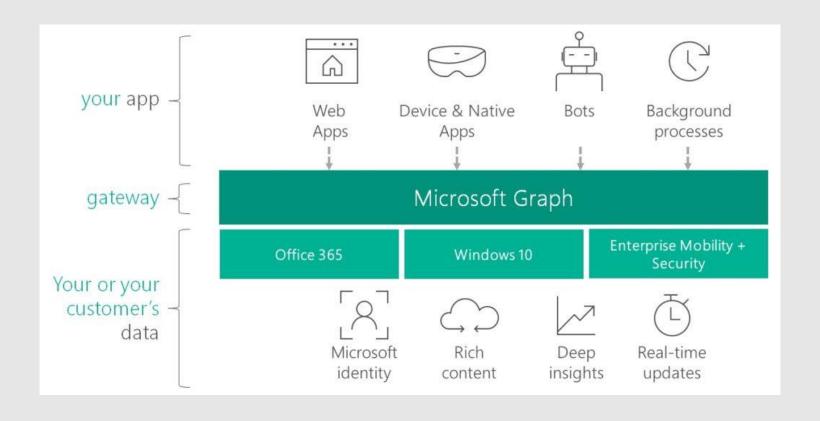
- Gateway to data and intelligence in Microsoft 365
- Unified programmability model
- Exposes REST APIs and SKDs to access data on
  - Azure Active Directory
  - Office 365 services
  - Enterprise Mobility and Security services
  - Windows 10 services
  - Education

Microsoft Graph is the API of Microsoft 365

#### What is Microsoft Graph?



### What is Microsoft Graph?

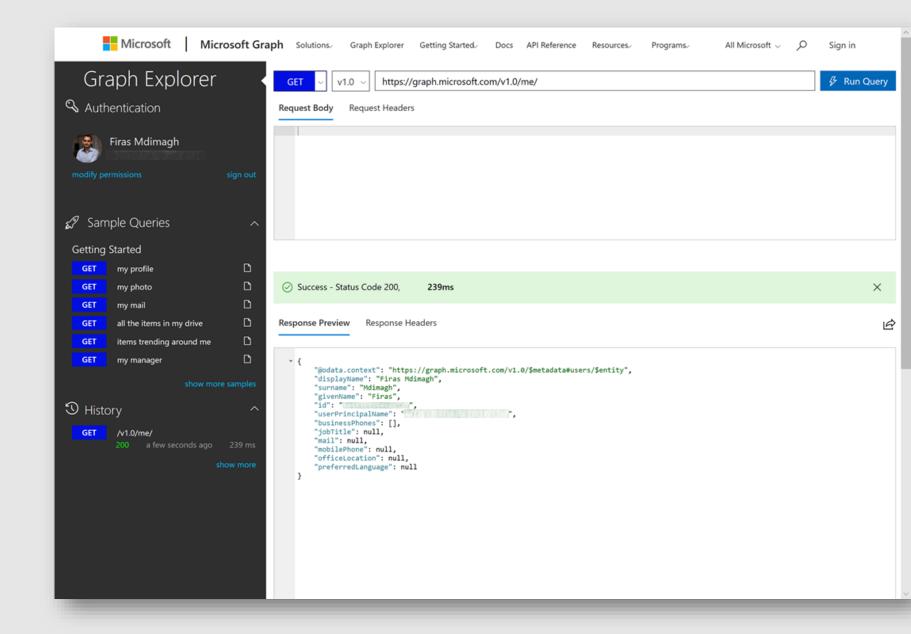


#### Why?

- Build experiences around the user's unique context
- Apps can traverse relationships to access resources and perform actions
- Get valuable insights and intelligence about the data



**Graph Explorer** 



API

```
https://graph.microsoft.com
  /{version}/{resource}/{id}/{property}?{query-parameters}

  {version} : V1.0 (Stable) and Beta (Preview)

https://graph.microsoft.com/v1.0/users/63576aeur341er99/messages?$top=5
```

SDK

```
// Send request to get user's messages
var messages = graphClient.Me.Messages.Request().GetAsync().Result;
```

#### Demo

Microsoft Graph

# **Azure Active Directory**

#### What is Azure Active Directory (AAD)?

· Identity Management as a Service for modern applications

# Why?

Manage Users, Groups, Roles

Use Single Sign-On (SSO)

Add custom domains

# Use Azure AD Graph API Use Microsoft Graph API

#### (i) Important

As of February 2019, we started the process to deprecate some earlier versions of Azure Active Directory Graph API in favor of the Microsoft Graph API.

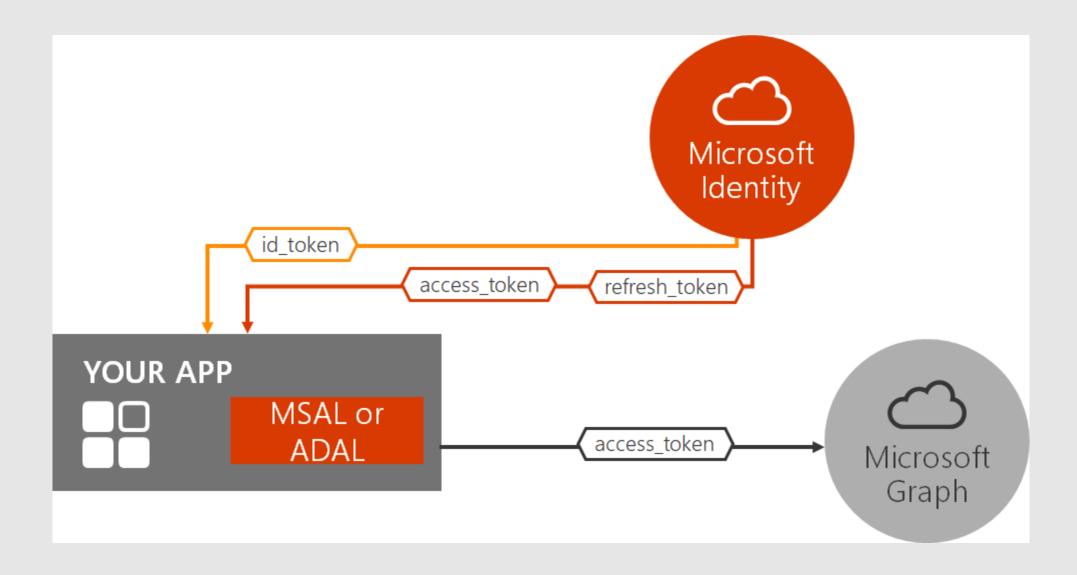
For details, updates, and time frames, see <u>Microsoft Graph or the Azure AD Graph</u> in the Office Dev Center.

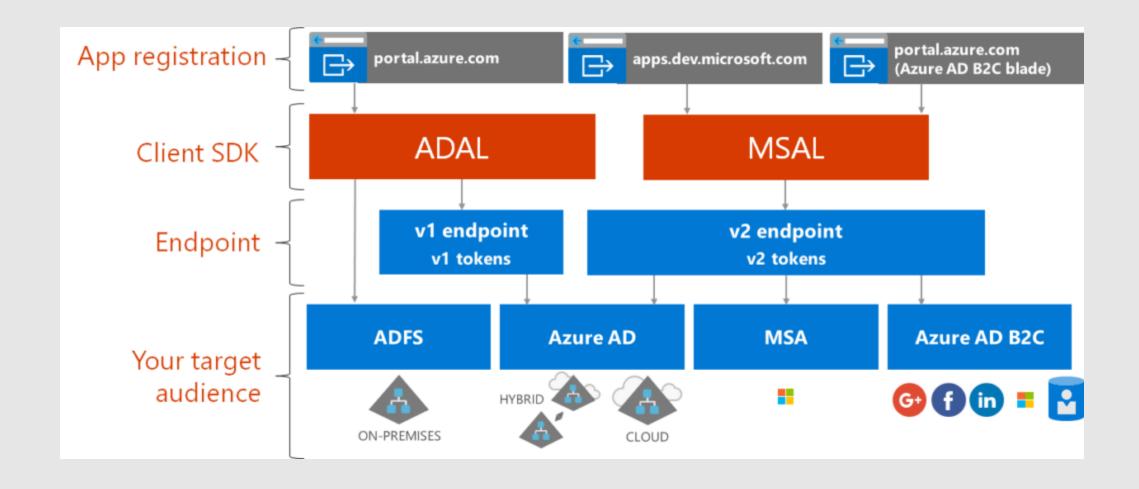
Moving forward, applications should use the Microsoft Graph API.

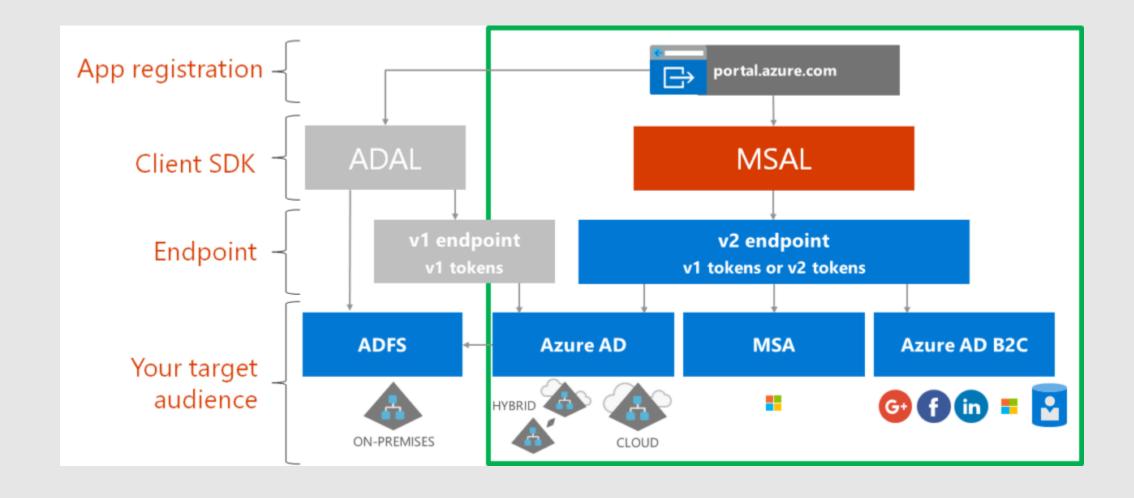
#### Demo

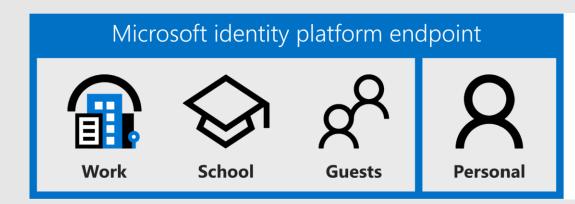
Azure Active Directory

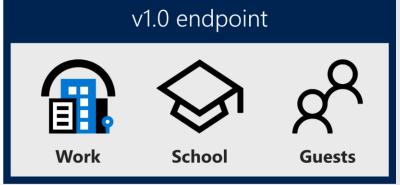
# 





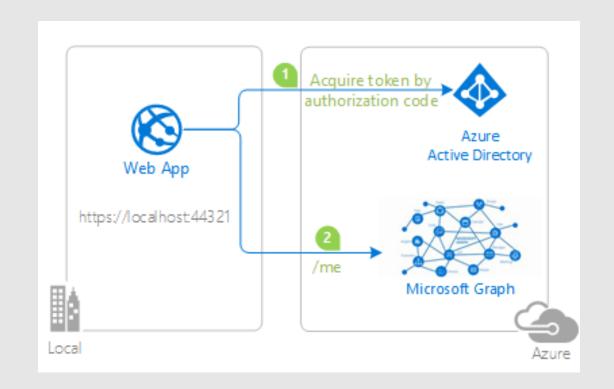






#### Demo

Sample App



github.com/Azure-Samples/active-directory-aspnetcore-webapp-openidconnect-v2

#### **Next**

- aka.ms/graph
- github.com/MicrosoftGraph
- aka.ms/ge
- aka.ms/30DaysMSGraph
- docs.microsoft.com/azure/active-directory
- docs.microsoft.com/learn

## Thank You!



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