

# HTMD Community Conference - 2024

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Speaker



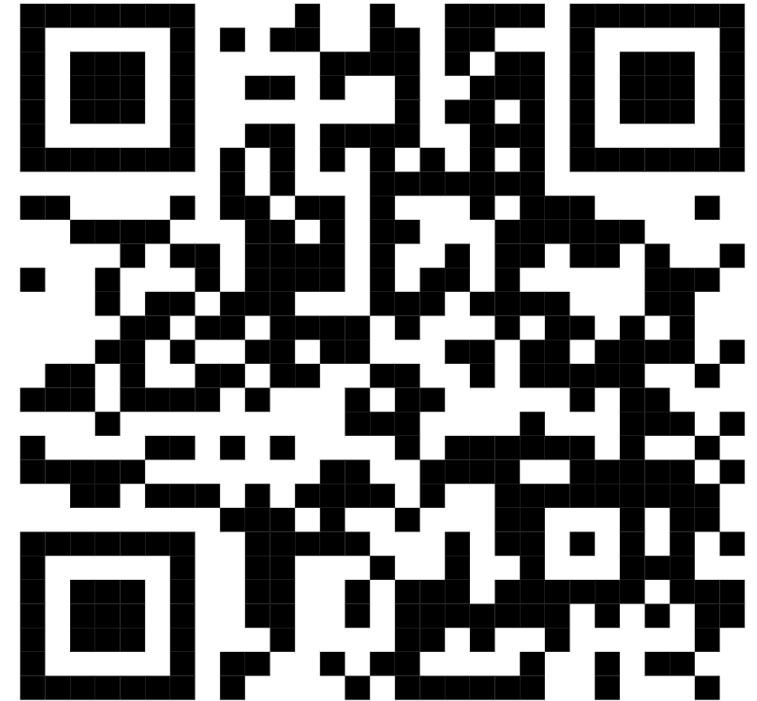
**Sujin Nelladath**

# Automate Intune day to day tasks using Microsoft Graph API and PowerShell – Tips and Tricks

# Who Am I

- Microsoft MVP (Microsoft Graph)
- SCCM, Azure & Intune Corporate Trainer
- Tech Blogger
- DevOps Engineer at CSG International

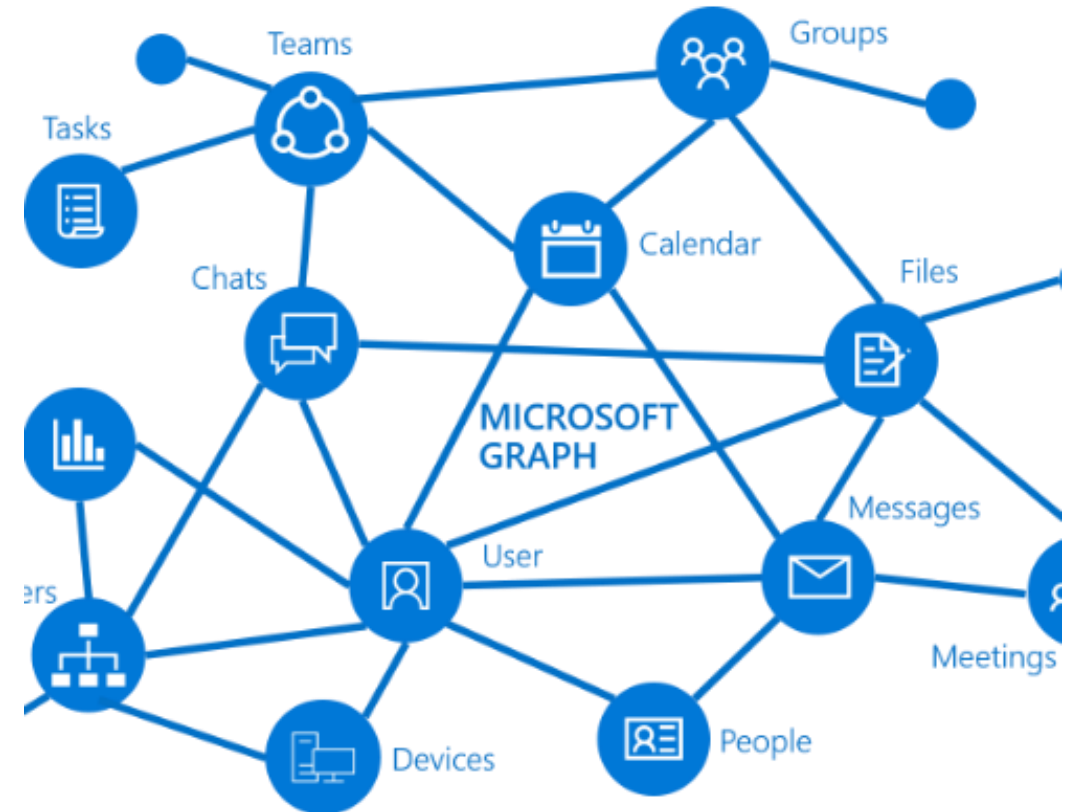
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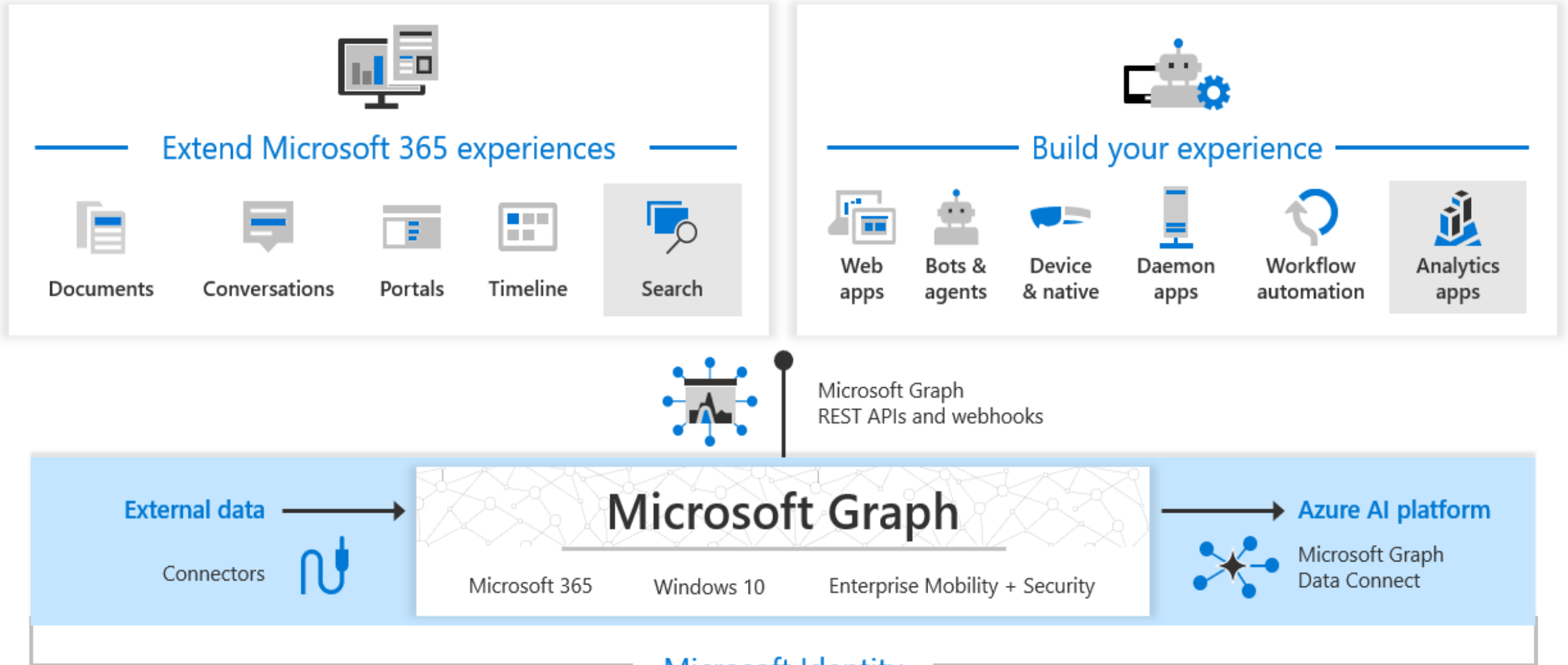
# What's in Microsoft Graph?

Microsoft Graph is the gateway to data and intelligence in Microsoft 365. It exposes REST APIs and client libraries to access data on the following Microsoft cloud services:

- Microsoft 365 core services
- Enterprise Mobility + Security services
- Windows services (activities, devices, notifications, Universal Print)
- Dynamics 365 Business Central services



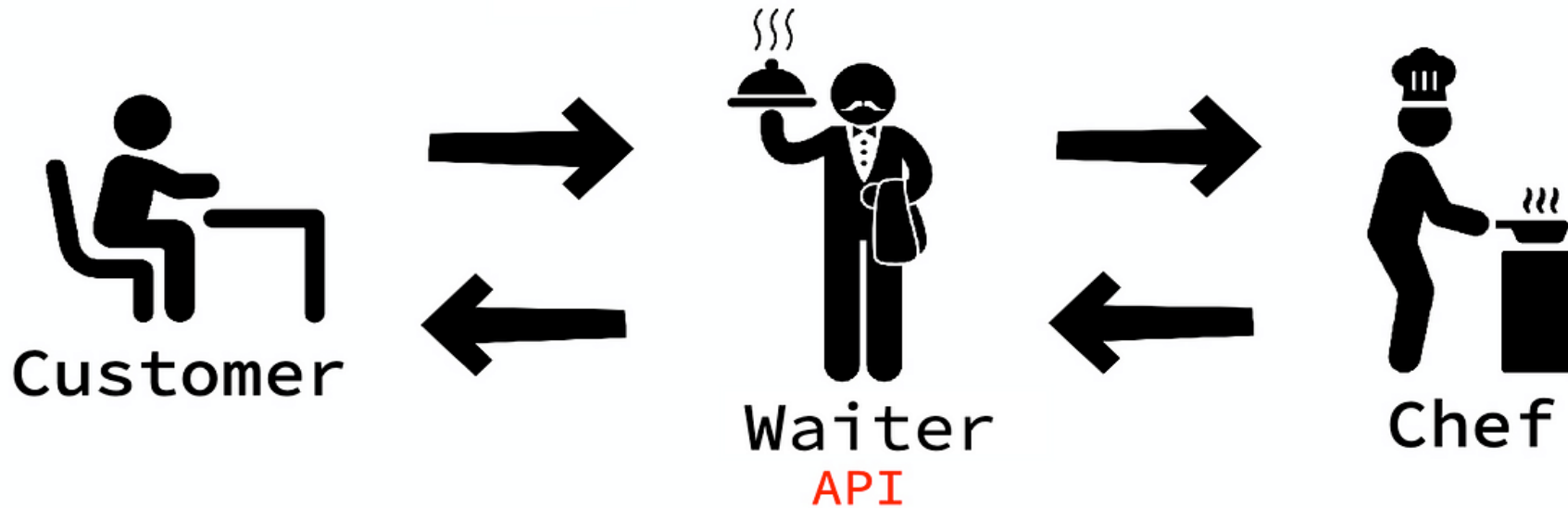
# Microsoft 365 Platform



# How does the API works?

**API** receives a request

Similar to how a waiter takes an order from a customer to relay to the chef



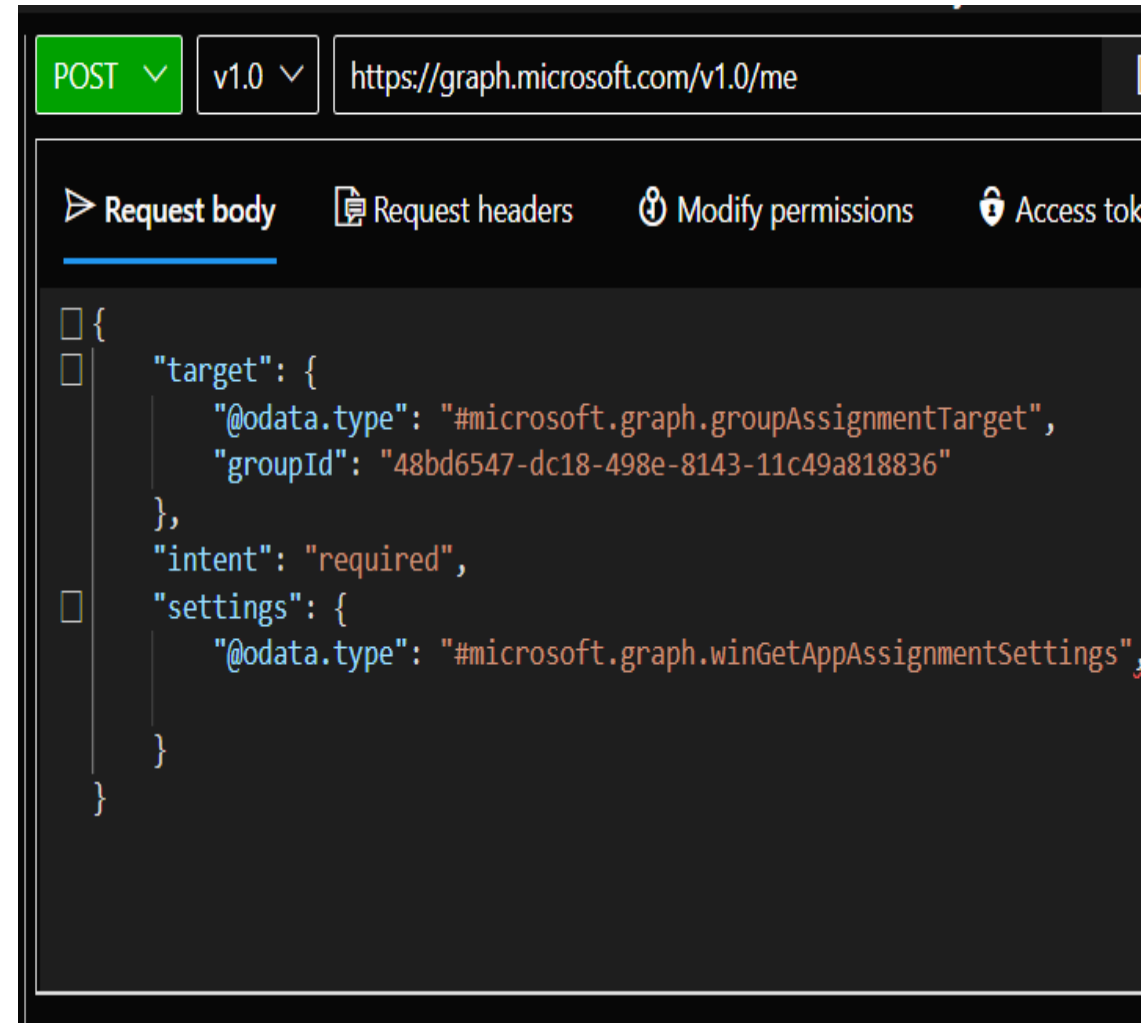
**API** collects and processes a response, then returns with that response

As a waiter would return the completed meal from the chef to the customer



# What is Microsoft Graph API

- Microsoft Graph is a RESTful web API that enables you to access Microsoft Cloud service resources.
- GET, POST, PATCH, PUT AND DELETE are HTTP methods available.
- The POST, PATCH, and PUT methods require a request body, usually specified in JSON format, that contains additional information, such as the values for properties of the resource.
- Microsoft Graph currently supports two version: v1.0 and beta.
- Graph Explorer is a web-based tool that you can use to build and test requests using Microsoft Graph APIs. You can access Graph Explorer at: <https://developer.microsoft.com/graph/graph-explorer>





# PowerShell - Tips and Tricks

- Always open the PowerShell as an Administrator.
- Install the Microsoft Graph PowerShell Modules before you start
- You should have .NET Framework 4.7.2 or later installed on your machine before installing Microsoft Graph PowerShell modules.
- Update PowerShellGet to the latest version using ***Install-Module PowerShellGet***
- Sign in using ***Connect-MgGraph*** command each time with the necessary permissions to automate your daily tasks
- PowerShell script execution policy must be set to remote signed or less restrictive

# Common Intune Tasks to Automate

- Device management
- Intune Policy Creation
- Policy Deployment
- Applications Management
- Report Management
- Software Updates
- User Creation
- Creating device groups and many more..!

# Let us see it in action!!!

Step-by-step  
walkthrough of  
automating few Intune  
tasks

Code snippets and  
explanations

# Feedback

HTMD Conference 2024 Feedback



**Thank you**