



# Power BI & Graph API: TuneIn to your Intune Data





# Who are we



David Brook



@DBBrook24



EUC365.COM



Paul Winstanley



SCCMentor



SCCMENTOR.COM



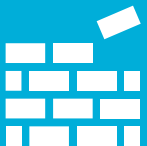
Enterprise Mobility

# What will we cover?



Understanding how to access data utilising Microsoft Graph API & use It as the basis for a Power BI Dataset.

Explore the available options when it comes to hitting the limits of the Graph API.



How to expand the dataset to meet organisational goals!



# Before we get started...

- It's not officially supported, so...
- Follow the principal of least privilege
- Power BI Pro Licensing...
  - Scheduled Refresh
  - Sharing the Report
- Global Admin Privileges...
  - Cloud Application Administrator or Application Administrator, for granting consent for apps requesting any permission for any API, except Entra ID Graph or Microsoft Graph app roles (application permissions).

[App consent permissions for custom roles in Microsoft Entra ID](#)

# Accessing the MS Graph from Power BI

- What are the options for getting at all that lovely, rich, sexy data?

## Intune Data Warehouse

- If you want a “meh” supported way

## Going Semi-Native

- You can “tweak” the native OData Feed method to be a bit more efficient

## Going native

- Power BI has OData Feed capability but does not work with Graph

## Going Custom

- Automation is your friend
  - Logic Apps or Azure Functions



# Gotchas!!

- But what happens when we have more than 1,000 devices/rows?
  - Let's talk about pagination...
- Nested Objects, e.g. Hardware Inventory
- Ok, so that's sorted, but wait, what happens when you have 50,000 devices...
  - Aint nobody got time for that (refresh)!
  - 3,000 device can easily take an hour on some data queries, let alone 50k

# Session = Calculate ( SUMX (Session points, Demos) )

- Start Semi-Native with Customizations
- Azure Functions or Logic Apps ONLY if required & depending on comfortability...
- Structure your data
- Use the correct data types
- Microsoft Graph API and PowerBI ([euc365.com](https://euc365.com))
- Graph API & Power BI - MMS Edition ([euc365.com](https://euc365.com))



# Q&A

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