Microsoft Graph API Query Collection

This documentation provides a quick-access reference for common Microsoft Graph API queries composed in PowerShell functions. It should be a dynamic place with helpful resources to leverage Microsoft Graph API.

> **Requirements:** Since we use Microsoft Entra ID as IDP, we must already have a Bearer Token with valid Scope. Use this guide to learn more on how to retrieve the right authentication token: Microsoft Graph API | LNC DOCS

Add Entra ID Device to Entra ID Group

```
# Function to add a device to a group
function Add-DeviceToGroup {
    param (
        [string]$deviceId,
        [string]$groupId
    )

    $uri = "https://graph.microsoft.com/v1.0/groups/$groupId/members/`$ref"
    $body = @{
        "@odata.id" = "https://graph.microsoft.com/v1.0/devices/$deviceId"
    } | ConvertTo-Json

    try {
        Invoke-RestMethod -Method POST -Uri $uri -Header @{Authorization = "Bearer
$Global:MicrosoftEntraIDAccessToken"; "Content-Type" = "application/json"} -Body $body
        Write-Output "Added device $deviceId to group $groupId"
    }
    catch {
        Write-Output "Failed to add device $deviceId to group $groupId : $_"
    }
```

```
}
```

Get Primary User of Entra ID Device

```
# Function to get the primary user of a device
function Get-PrimaryUser {
    param (
        [string]$deviceId
    )

    $uri =
"https://graph.microsoft.com/v1.0/devices/$deviceId/registeredOwners?`$top=1&`$select=id,displ
ayName,userPrincipalName"
    try {
        $Result = Invoke-RestMethod -Method GET -Uri $uri -Header @{Authorization = "Bearer
$Global:MicrosoftEntraIDAccessToken" }
        return $Result.value[0]
    }
    catch {
        Write-Output "Failed to get primary user for device $deviceId : $_" -ForegroundColor
Red
        return $null
    }
}
```

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