Entra Groups

Power BI Best Practice

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15/02/2022

 

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# Introduction

Within Power BI/Fabric, there are several different roles and various settings. The best practice is to, where possible, create suitable Entra Groups. Then add user accounts as members to the required groups. The members of the groups will inherit the permissions of that group. This is a well-established pattern used by Active Directory Groups.

## Types of AAD Groups

There are several different types of Entra groups; not all group types can be used for all settings within the Power BI environment. In the document there, only four different types of Entra groups are of concern.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Area** | **Security Group** | **Office 365 Group** | **Distribution Group** | **Mail-Enabled Security Group** |
| Tenant Settings | X |  |  | X |
| App Workspace – Access | X | X | X | X |
| App – Permission | X | X | X | X |
| App Workspace – Contact List |  | X | X | X |
| App Workspace – One Drive |  | X |  |  |
| App Workspace – Dashboard / Report Contact |  | X | X | X |
| Row Level Security | X | ? | X | X |
| Datasets | X | X | X | X |
| Report Sharing | X |  | X | X |
| Dashboard Sharing | X |  | X | X |
| Gateway Administrators | X |  | X | X |
| Power BI Premium – Capacity Admins |  |  | **Only Users** |  |
| Power BI Premium – Assignment Permissions | X |  | X | X |
| Datasets – Refresh Failure Notifications |  | X | X | X |
| Dataflows – Refresh Failure Notifications |  | X | X | X |
| Power BI Deployment Pipelines | X |  | X | X |

Reference - <https://www.fourmoo.com/2020/04/01/power-bi-which-groups-can-be-used-to-set-permissions-in-power-bi/>

Certain types of Entra groups can only be used for particular settings.

Fabric Tenant Admin Portal settings can be applied to a specified security group. There are only two types of Entra group which can be used these are a *Security Group* or a *Mail Enabled Security Group.*

Note that some settings, e.g. ‘Receive email notifications for service outages or incidents’, should be assigned a mail-enabled security group since emails will be sent to this group, so that it will require an email address.

If using **Distribution Group** then check to ensure that the setting, to ‘Allow external senders to email this group’ has been enabled. Emails from the Power BI service are considered to be external emails.

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## Group set up – Power Bi workspaces.

When creating an Office 365 group, a user account can be set as the group’s owner. Suppose the owner **is not designated** as a member of the group. When the group is assigned to a workspace role in a Power BI workspace, **the group owner does not inherit** the permissions of the workspace role. So if the owner of the Office 365 group is a user account and they intended to inherit the same permissions of the group members. Then the owner must also be assigned as a member of the same Office 365 group.

More information - https://docs.microsoft.com/en-us/microsoft-365/community/all-about-groups

THANK YOU

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