

ADF Web Activity to Asynchronously Connect to PowerBI REST activities


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Some dashboard refresh may take a while and the bearer token may expire if the expiration period is configured for a short time in the Key Vault. Also, REST endpoints that the web activity invokes must return a response of type JSON. The activity will timeout at 1 minute with an error if it does not receive a response from the endpoint.

Activity 1) Web activity "Get AAD Token" Use AOath or when PowerBI uses MFA, use Service Principal

Activity 2) Web activity PowerBI Refresh Settings

Use Method "POST"

URL paste the PowerBI URL as seen in the example below [https://api.powerbi.com/v1.0/myorg/groups/\[PowerBi Group ID\]/datasets/\[DatasetName\]/refreshes](https://api.powerbi.com/v1.0/myorg/groups/[PowerBi Group ID]/datasets/[DatasetName]/refreshes) 

In the ADF Web Activity Header "Authorization" needs "Value" like the following @concat(string(activity('Get AAD Token - Post File Processing').output.token_type),' ',string(activity('Get AAD Token - Post File Processing').output.access_token))

Body "Value" would indicate

```
{"Type": "Full", "maxParallelism": 2}
```

Additional Options

There are more options provided in the online support guide here Asynchronous refresh with the Power BI REST API - Power BI | Microsoft Docs


PowerBI has an option to use embed tokens Troubleshooting your Power BI embedded analytics application - Power BI | Microsoft Docs

Specify a partition in the body Example:

```
{ "type": "Full", "commitMode": "transactional", "maxParallelism": 2, "retryCount": 2, "objects": [ { "table"
```



Note:

Standard expiration of a REST Token is 1 hour, and a refresh token (to renew the access token) can be valid for up to 90 days. Online support guide here: [Authentication vs. authorization - Microsoft identity platform | Microsoft Docs](#) 

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