

# Creating a pipeline run via REST API

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

This is already covered by the following docs, but not in a manner that's concise and easy to follow:

<https://docs.microsoft.com/en-us/rest/api/datafactory/pipelines/create-run> 

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipeline-execution-triggers#rest-api> 

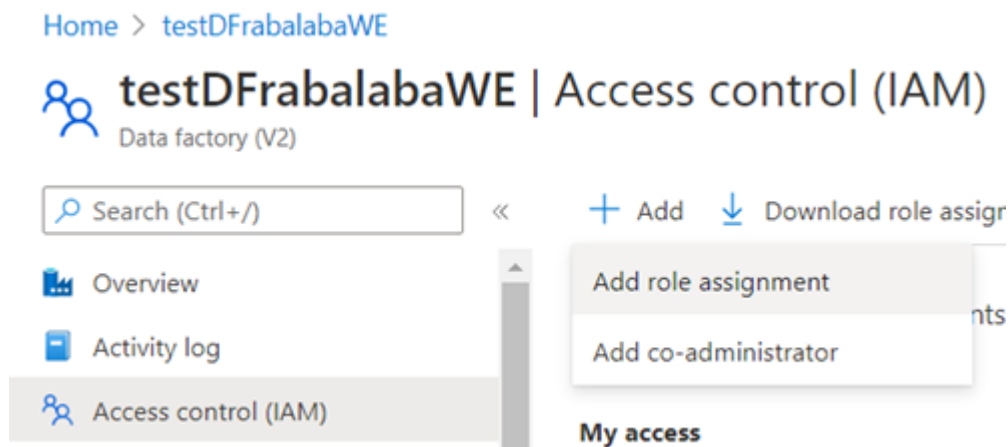
<https://docs.microsoft.com/en-us/azure/data-factory/quickstart-create-data-factory-rest-api> 

<https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal#assign-a-role-to-the-application> 


1. Create an App registration for the Data Factory <https://docs.microsoft.com/en-us/azure/active-directory/develop/quickstart-register-app> 
  - Add a certificate or secret





- You will need App registration's tenant ID, client ID and the secret
2. Assign the Contributor role to the App registration on your Data Factory Access control (IAM)



## Add role assignment ...

 Got feedback?

[Role](#) [Members](#) [Review + assign](#)

A role definition is a collection of permissions. You can create custom roles. [Learn more](#)   
[Use classic experience](#) 

 contributor 


Showing 7 of 16 roles

Name ↑↓

Contributor

[Home](#) > [testDFrabalabaWE](#) >

## Add role assignment ...

 Got feedback?

[Role](#) [Members](#) [Review + assign](#)

**Selected role** Contributor

**Assign access to** ☒ User, group, or service principal  
☐ Managed identity

**Members** [+ Select members](#)

Search for the app registration and select it, then assign the role.

3. The configuration for the call to generate the token:

POST [https://login.microsoftonline.com/\[tenantID\]/oauth2/token](https://login.microsoftonline.com/[tenantID]/oauth2/token) 

Headers:

Content-Type: application/x-www-form-urlencoded

Body:

grant\_type: client\_credentials

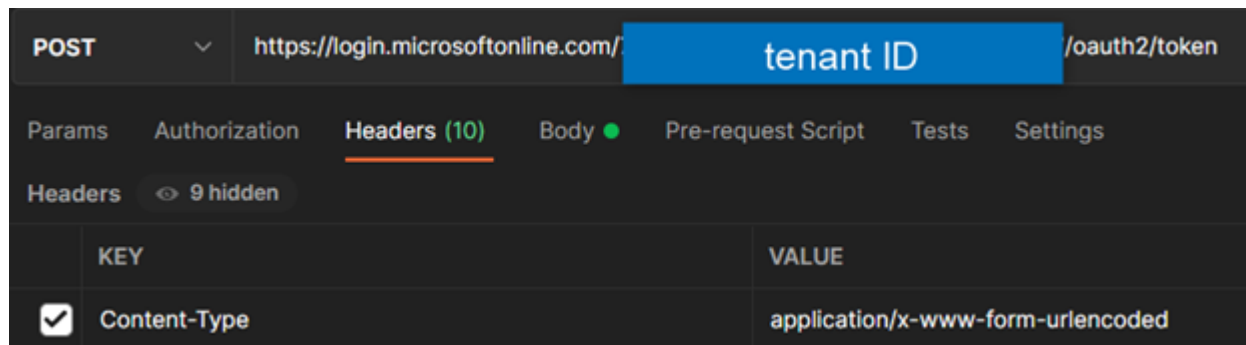
resource: <https://management.azure.com/> 

client\_id: [App registration client ID]

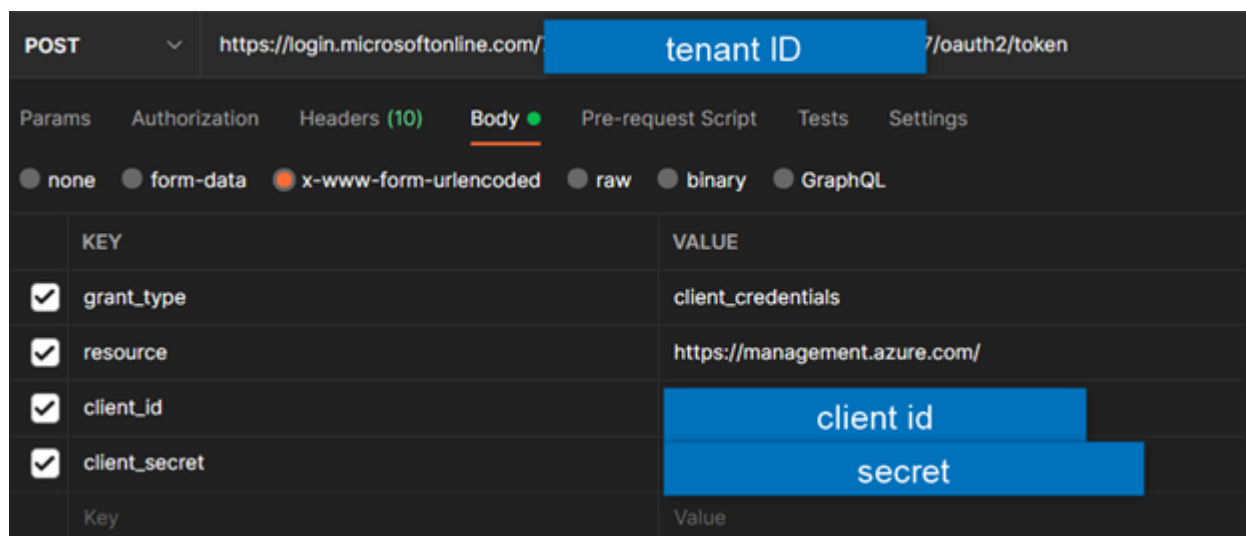
client\_secret: [App registration secret]

Add the App registration tenant ID to the request URL and the client ID and secret to its body. This is how it should look in Postman:

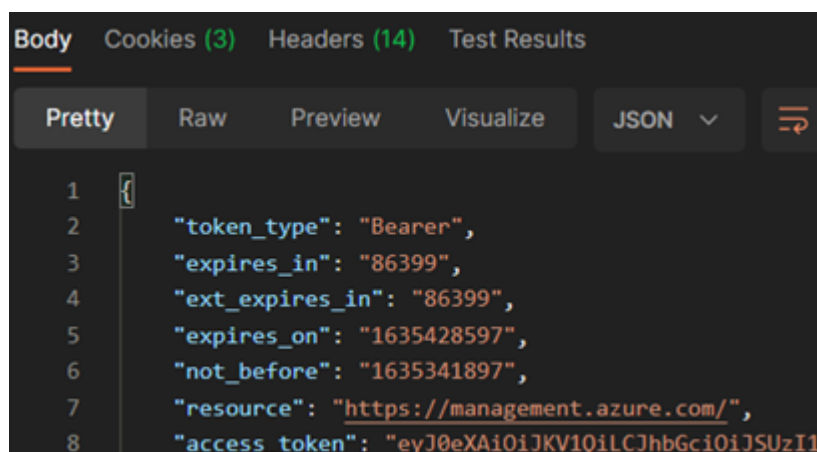
Headers:



Body:




You should get a response with a Bearer token:



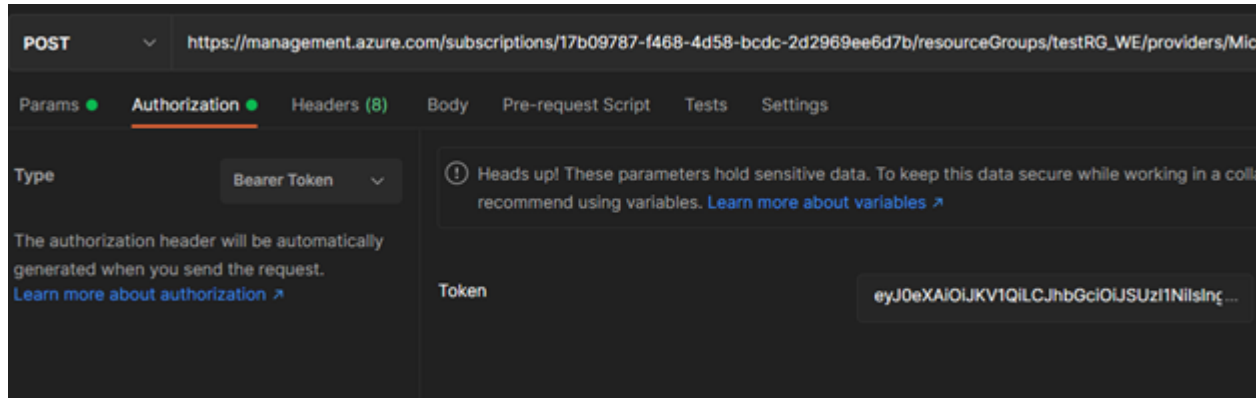
#### 4. Running the pipeline request

POST

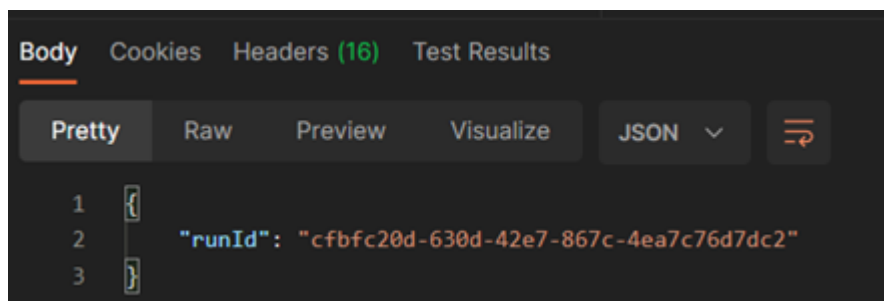
[https://management.azure.com/subscriptions/\[subscriptionID\]/resourceGroups/\[RG\\_name\]/providers/Microsoft.DataFactory/factories/\[ADF\\_name\]/pipelines/\[pipeline\\_name\]/createRun?api-version=2018-06-01](https://management.azure.com/subscriptions/[subscriptionID]/resourceGroups/[RG_name]/providers/Microsoft.DataFactory/factories/[ADF_name]/pipelines/[pipeline_name]/createRun?api-version=2018-06-01) 

Authorisation Type: Bearer token

Token value: the "access\_token" value from the previous call's response



And the response should be the pipeline runID:



#### Additional Information:

- **Icm References:**
- **Author:** rabalaba
- **Reviewer:** grorcai
- **Keywords:**

How good have you found this content?



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