

How to request token for another web activity

Last updated by | Ranjith Katukojwala | Mar 7, 2023 at 11:35 AM PST

Contents

- [Issue](#)
- [Steps](#)
- [Parameterize the clientId, clientSecret and TenantID](#)

Issue

Using Web Activity to get a token for another web activity:

Sometimes customers have a scenario to depend on a web activity to obtain a token and use the token in another web activity for authorization purpose. Eg. Using a web activity read a file from ADLS etc.

Steps

Create a web activity with the URL:

```
"typeProperties": {  
  "url": "https://login.microsoftonline.com/<tenantId>/oauth2/token",  
  "method": "POST",  
  "headers": {  
    "Content-Type": "application/x-www-form-urlencoded"  
  },  
  "body": {  
    "value": "grant_type=client_credentials&client_id=<clientId>&client_secret=<clientSecret>&resource=https://man  
    "type": "Expression"  
  },  
}
```

Screenshot from the UI:

URL *	<input type="text" value="https://login.microsoftonline.com/72f988bf-86"/>				
Method *	<input type="text" value="POST"/>				
Headers *	<div> <div>+ New</div> <div>🗑 Delete</div> </div> <table border="1"> <thead> <tr> <th>NAME</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>Content-Type</td> <td>application/x-www-form-urlencoded</td> </tr> </tbody> </table>	NAME	VALUE	Content-Type	application/x-www-form-urlencoded
NAME	VALUE				
Content-Type	application/x-www-form-urlencoded				
Body	<pre>grant_type=client_credentials&client_id=a8be54cd-fdad-44b2-b1ad-906adc5d4217&client_secret=DUIqy9k2sby.d26:M?R_O_4qXYaRvs3&resource=https://management.azure.com/</pre>				

In the next web activity assign the URL you want to call and use the token generated in the previous web activity use the below header

General
Settings
User properties

URL *	<input type="text" value="https://vimalsadfadls.azuredatalakestore.net/w"/>						
Method *	<input type="text" value="PUT"/>						
Headers *	<div> <div>+ New</div> <div>🗑 Delete</div> </div> <table border="1"> <thead> <tr> <th>NAME</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>Authorization</td> <td> <pre>@concat(activity('getAADAccessToken').output.token_type,' ',activity('getAADAccessToken').output.access_token)</pre> <div>Add dynamic content [Alt+P]</div> </td> </tr> <tr> <td>Content-Type</td> <td>application/json</td> </tr> </tbody> </table>	NAME	VALUE	Authorization	<pre>@concat(activity('getAADAccessToken').output.token_type,' ',activity('getAADAccessToken').output.access_token)</pre> <div>Add dynamic content [Alt+P]</div>	Content-Type	application/json
NAME	VALUE						
Authorization	<pre>@concat(activity('getAADAccessToken').output.token_type,' ',activity('getAADAccessToken').output.access_token)</pre> <div>Add dynamic content [Alt+P]</div>						
Content-Type	application/json						
Body	<input type="text" value="{}"/>						

Note: Here activity('getAADAccessToken') is the name of the previous activity.

Parameterize the clientId, clientSecret and TenantID

Customer may also have a requirement where they would like to Parameterize the clientId, clientsecret and tenantId, rather than passing it in the UI. Use the following sample as an example to parameterize them:

```
"typeProperties": {  
  "url": "@concat('https://login.microsoftonline.com/', pipeline().parameters.TenantId, '/oauth2/token')",  
  "method": "POST",  
  "headers": {  
    "Content-Type": "application/x-www-form-urlencoded"  
  },  
  "body": {  
    "value": "@concat('grant_type=client_credentials&resource=https://management.azure.com/&client_id=', pipeline()  
    "type": "Expression"  
  }  
}
```

Additional Information:

- **Icm References:**
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:**

How good have you found this content?

