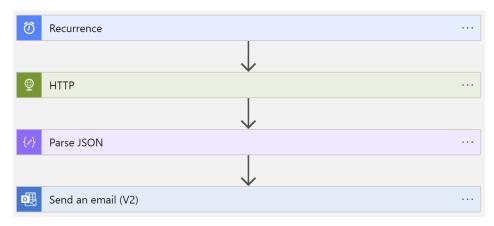
# How to generate AAD tokens automatically

In this example we will create a Logic App that can generate a JWT token from Azure AD and send it through email automatically to be used as needed.

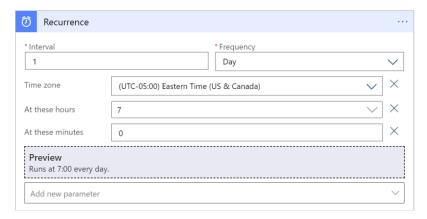
## **Design overview**



## Step 1

As we see in the image above, we can start the workflow by adding a recurrence trigger.

Let's imagine we want to generate the token daily at 7:00 am, so we use the following settings:



## Reference:

https://docs.microsoft.com/en-us/azure/connectors/connectors-native-recurrence

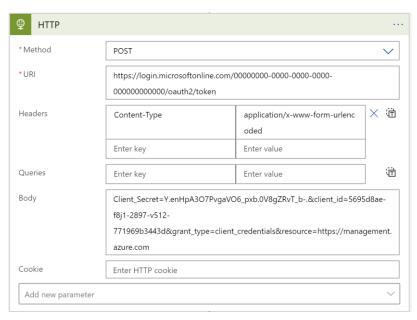
## Step 2

By using an HTTP action, we can generate a JWT token calling the endpoint https://login.microsoftonline.com/{tenant}/oauth2/v2.0/token

To do this we will have to register an App in Azure AD to then use the application credentials to call the endpoint as described in the link below:

https://docs.microsoft.com/en-us/graph/auth-v2-service

The HTTP action settings will look like this



#### Reference:

https://docs.microsoft.com/en-us/azure/connectors/connectors-native-http

## Step 3

In this step we will use a data operation action called Parse\_JSON to access properties of the http output to format the data we will send through email.

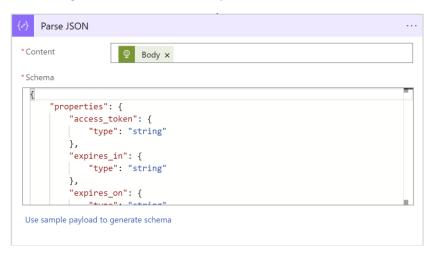
In the Content box you can add the body output from the dynamic content



In the Schema box, you can use the following sample schema, Or use sample payload to generate schema.

```
{
    "properties": {
        "access_token": {
            "type": "string"
        },
        "expires_in": {
            "type": "string"
        },
        "expires_on": {
            "type": "string"
        },
        "ext_expires_in": {
            "type": "string"
        "not_before": {
            "type": "string"
        },
        "resource": {
            "type": "string"
        },
        "token_type": {
            "type": "string"
        }
    },
    "type": "object"
}
```

The settings will look like this example:



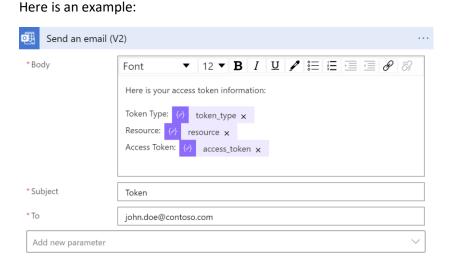
#### Reference:

https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-perform-data-operations#parse-json-action

### Step 4

In the last step we will add "Send an email (V2)" action to send the token through email.

After creating the API Connection by signing in your email account, we will fill out the required fields



### Here is how the email looks like:

Here is your access token information:

Token Type: Bearer
Resource: https://management.azure.com
Access Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzl1NiisIng1dCl6ImtnMkxZczJUMENUaklmajRydDZKSXluZW4zOClsImtpZCl6ImtHbsgWwjKUZQil4Tflm8e\_kb0lUpSRb2glClUz6q-daAcKWn1h\_gqHE8AfmUcoJse66QkDaqRpA5wlE0HeRXvxsYxCrCCMGyltYiFkJIXfcj5khrPeQPg3vwhZcoOV3hrl5JkSsg8
t7gJpD3RhvTws7WQEZ86Kuj9Tgq489x2FphSgSg142IcpxoYcczXT-EqcNhF6864ei\_OJ5YqhhcUGEnCi-DU8ep5trq
cWVps-osYkd82Qqpg

## Reference:

https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-office365-outlook#add-an-action

https://docs.microsoft.com/en-us/connectors/office365/

Once all steps are completed, you can test your logic app and you would be receiving a JWT token daily.