Pre- Request to run the script:

1: Package required

requests msal

async.io

2: Config required for getting access token:

Client\_id

client\_secret

tenant\_id

3: shared folder access and details where chat-id will be placed

read and write permission for the folder

4: shared folder access and details where result CSV or flat file will be placed.

read and write permission for the folder

5: configuration permission:

in registered app -> "API permissions" at least read permission should be given for API in azure.

Permissions

One of the following permissions is required to call this API. To learn more, including how to choose permissions, see Permissions.

Permission Type Permissions (from least to most privileged)

Delegated (work or school account) ChannelMessage.Read.All

Application ChannelMessage.Read.Group\*,

ChannelMessage.Read.All, Group.Read.All\*\*, Group.ReadWrite.All\*\*,ChannelMessage.Read.All

6: minimum hardware requirement:

a: at least 4 CPU cores

b: minimum 16 GB ram

c: storage : <to be define>

Step 1:

if python script can access the shared folder

if yes then look for csv file name () for chat-ids

if yes then read CSV file

if csv has data:

read chat id

make a list chat ids

generate access token using client\_id ,tenant id and secret

if token generated successfully :

parallel process the rest call using access token (go below to step 2)

else:

raise exception file is empty

else:

raise exception cannot read CSV file

else:

raise exception cannot access folder

Step 2:

parallel processing flow:

1: call API using request framework after generating access token :

API url:

GET /teams/{team-id}/channels/{channel-id}/messages

2: read payload read below parameters for each message id:

"messageType": "message",

"createdDateTime": "2021-03-28T21:11:12.395Z",

"lastModifiedDateTime": "2021-03-28T21:11:12.395Z",

"from": {

"user": {

"displayName": "Robin Kline",

}

"body": {

"contentType": "html",

"content": "Hello World <at id=\"0\">Jane Smith</at>"

},

"attachments": [],

3: prepare a csv file with below column on the shared folder with <channel\_id>\_<created\_datetime>.csv

Message\_date ,

User\_name

Message

has\_attachment

attachment\_name

attachment\_extension

attachment\_url

Note : everything mentioned in <> is the variable.

Error handling:

We need to use logs for each step for showing progress and show the logs in the console and add the same to the logs file.

If we have a requirement to notify the customer that we have error in process we need to generate a report and send email to required email id

<This process need to be define.>

Requirement for email error handling:

1: SMTP server details

2: From and TO emails

3: Email format <need to be finalize>