

Source: C:\Users\Admin\Desktop\CMC\ms1_email ngestion\core\token_manager.py

```
import os
import msal
from dotenv import load_dotenv
import requests, datetime, json
from datetime import datetime, timedelta, UTC
from msal import ConfidentialClientApplication
from concurrent_storage.redis_manager import get_redis_storage, RedisStorageManager

load_dotenv()

KEY_REFRESH_TOKEN = RedisStorageManager.KEY_REFRESH_TOKEN
CLIENT_ID = os.getenv("CLIENT_ID")
CLIENT_SECRET = os.getenv("CLIENT_SECRET")
SCOPES = ["Mail.ReadWrite"]

def get_token():
    client = ConfidentialClientApplication(
        client_id=CLIENT_ID,
        client_credential=CLIENT_SECRET
    )

    redis = get_redis_storage()
    refresh_token = redis.redis.get(KEY_REFRESH_TOKEN)

    if not refresh_token:
        raise Exception("■ refresh_token not found. Please run get_access_token first.")

    # L■y access_token m■i
    result = client.acquire_token_by_refresh_token(refresh_token, SCOPES)

    if "access_token" not in result:
        raise Exception(f"■ Refreshing token error: {result}")

    access_token = result["access_token"]
    return access_token
```