To create a new sheet in Smartsheet using the code you provided, you are already on the right track. The key steps involve initializing the Smartsheet client, defining the new sheet specifications, creating the new sheet, and then adding rows to it. Here’s a breakdown of the process:

1. **Initialize the Smartsheet Client**:
   * Retrieve the API key from AWS Secrets Manager.
   * Initialize the Smartsheet client using the API key.
2. **Retrieve Data from Existing Sheets**:
   * Use the Smartsheet client to get data from the existing sheets.
3. **Combine Rows from Both Sheets**:
   * Append rows from both sheets into a single list.
4. **Create a New Sheet**:
   * Define the new sheet specifications, including the name and columns.
   * Create the new sheet using the Smartsheet client.
5. **Add Combined Rows to the New Sheet**:
   * Add the combined rows to the newly created sheet.

Here’s the complete code with comments for clarity:

**CODE**

from awsglue.dynamicframe import DynamicFrame

import sys

import boto3

import pandas as pd

import numpy as np

import json

import smartsheet

from datetime import datetime, timedelta

import math

from io import StringIO, BytesIO

import itertools

from awsglue.utils import getResolvedOptions

from awsglue.context import GlueContext

from pyspark.context import SparkContext

# Initialize Glue context

glueContext = GlueContext(SparkContext.getOrCreate())

args = getResolvedOptions(sys.argv, ['TempDir'])

# Retrieve Smartsheet API key from AWS Secrets Manager

clientsecret = boto3.client('secretsmanager')

secret\_name = 'prod/API/Smartsheets'

response = clientsecret.get\_secret\_value(SecretId=secret\_name)

secret = json.loads(response['SecretString'])

API\_KEY = secret['API\_KEY']

# Initialize Smartsheet client

ss\_client = smartsheet.Smartsheet(API\_KEY)

# Retrieve data from Smartsheets

sheet1 = ss\_client.Sheets.get\_sheet("6317117771042692")

sheet2 = ss\_client.Sheets.get\_sheet("2612031110729604")

# Combine rows from both sheets

combined\_rows = []

for row in sheet1.rows:

combined\_rows.append(row)

for row in sheet2.rows:

combined\_rows.append(row)

# Create a new sheet with the combined data

new\_sheet\_spec = smartsheet.models.Sheet({

'name': 'RCCA\_sheet\_data',

'columns': sheet1.columns # Assuming both sheets have the same columns

})

# Create the new sheet

new\_sheet = ss\_client.Home.create\_sheet(new\_sheet\_spec)

# Add the combined rows to the new sheet

ss\_client.Sheets.add\_rows(new\_sheet.id, combined\_rows)

print(f"Combined sheet created with ID: {new\_sheet.id}")

AI-generated code. Review and use carefully.

In this code:

* The new sheet is created with the name ‘RCCA\_sheet\_data’ and the columns from sheet1.
* The combined rows from sheet1 and sheet2 are added to the new sheet.
* The new sheet is stored in your Smartsheet account, and its ID is printed for reference.