



How may I assist you today?



Query 313: I would like to use RTDIP components to read from PythonDeltaSharingSource, transform using SSIPPIBinaryFileToPCDMTransformer, then write to SparkEventhubDestination this needs a spark return a python code



Here is an example of Python code that utilizes a SparkSession to read from PythonDeltaSharingSource, transform using SSIPPIBinaryFileToPCDMTransformer, and write to SparkEventhubDestination

```
from rtdip_sdk.pipelines.sources import PythonDeltaSharingSource
from rtdip_sdk.pipelines.transformers import SSIPPIBinaryFileToPCDMTransformer
from rtdip_sdk.pipelines.destinations import SparkEventhubDestination
from rtdip_sdk.pipelines.utilities import SparkSessionUtility

# Create a SparkSession
spark = SparkSessionUtility(config={}).execute()

# Define the source path for Delta Sharing
share_name = "{SHARE-NAME}"
schema_name = "{SCHEMA-NAME}"
table_name = "{TABLE-NAME}"
profile_path = "{CREDENTIAL-FILE-LOCATION}"

# Read data from Delta table with Delta Sharing
python_delta_sharing_source = PythonDeltaSharingSource(
    profile_path=profile_path,
    share_name=share_name,
    schema_name=schema_name,
    table_name=table_name
)

df = python_delta_sharing_source.read_batch()

# Define the transformer options
transformer_options = {
    "input_columns": ["column1", "column2"],
```

```

        "output_column": "transformed_column",
        "additional_options": {
            "option1": "value1",
            "option2": "value2"
        }
    }

    # Transform the data using SSIPPIBinaryFileToPCDMTransformer
    transformed_df = SSIPPIBinaryFileToPCDMTransformer(df, options=transforme

    # Define the SparkEventhubDestination options
    eventhub_connection_string = "Endpoint=sb://{NAMESPACE}.servicebus.window
    eventhub_consumer_group = "{YOUR-EVENTHUB-CONSUMER-GROUP}"

    destination_options = {
        "eventhubs.connectionString": eventhub_connection_string,
        "eventhubs.consumerGroup": eventhub_consumer_group
    }

    # Write the transformed data to SparkEventhubDestination
    eventhub_destination = SparkEventhubDestination(
        spark=spark,
        data=transformed_df,
        options=destination_options,
        trigger="10 seconds",
        query_name="EventhubDestination",
        query_wait_interval=None
    )

    eventhub_destination.write_batch()

```

Please note that you will need to replace the placeholder values ( `{SHARE-NAME}` , `{SCHEMA-NAME}` , `{CREDENTIAL-FILE-LOCATION}` , `{NAMESPACE}` , `{ACCESS_KEY_NAME}` , `{ACCESS_KEY}` , `{EVENTHUB-NAME}` and `{YOUR-EVENTHUB-CONSUMER-GROUP}` ) with your own values.

Response generated in 189.34 seconds.

Your message

