## Processed Transformation ETH

Uses EtherScan reference data for ETH data enrichment

## Input:

- Data Content:EtherScan Reference Data
- Data Type: Parquet
- Data Source: Preprocessed Layer

## Output:

- Data Content:EtherScan Enriched ETH Data
- Data Type: Parquet
- · Data Destination: Processed Layer
- \*\* Notebook is simply for reference and only takes in a sample collection

```
from pyspark.sql.functions import udf
from Azure_configs import preprocessed_data_path, processed_data_path
from API_configs import etherscan_url, eth_api_key
import datetime
import time
import requests
```

today=datetime.date.today().strftime('%m-%d-%y')

```
def process_eth_data(nft_name):
    EScan_parquet_path=f'{preprocessed_data_path}/{today}/EScan/NFT={nft_name}/'

    EScan_reference_DF=spark.read.parquet(EScan_parquet_path)

eth_udf=udf(lambda x : get_eth_balance(x))

eth_balance_df=EScan_reference_DF.withColumn('ETH_Balance',eth_udf(EScan_reference_DF['owner_address']))
    eth_balance_df.cache()
    eth_balance_df.show(10, truncate=False)
    eth_balance_df.write.mode('overwrite').parquet(f'{processed_data_path}{today}/ETH_Balance/NFT={nft_name}/')
    return
```