



# Crypto Currency Pipeline

Cliford Rojas  
EnhanceIT  
Atlanta, GA

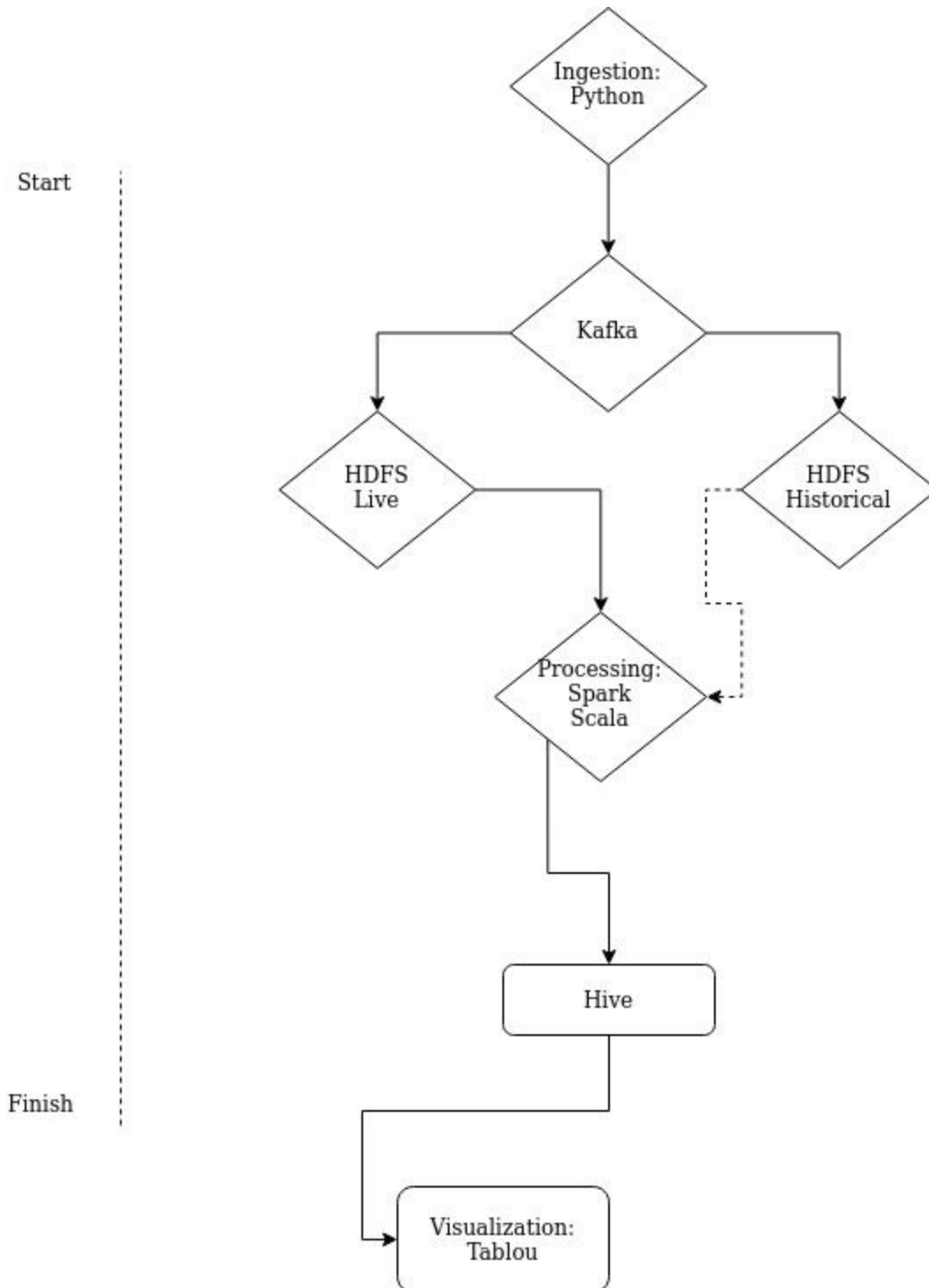
## Overview

Crypto currency has had a downfall for investors but while lucrative and not commercially adopted there are many companies and individuals who still invest and secure their crypto investments. This API allows me to get Twitter and event information that can help determine up and coming coins a.k.a popular coins. This data can be useful to companies like JP Morgan and others involved in the crypto currency network. The api also has exchange rates and 1 day of historical data.

## Goals

1. This pipeline will leverage the twitter information per coin and compare that to their price.
2. Historical price change in 1 day.
3. Top three most expensive coins.

## Specifications



## Timeline

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Ingestion: Gather Top 3 Coins	Ingestion: Gather Historical Data	Ingestion: Kafka: -Server -Topic -Producer	ProcessingS park KStream: -Gather Stream Data	Revision of pipeline and optimizatio n of stream.
Week 2	Crontab: Store historical data into HDFS Dir	Spark: Historical Processing Cleaning data	Data Warehouse: Hive Schema Creation	Data Warehouse: -Load Live Data (1hr)	Data Warehouse: -Load historical Data
Week 3	Revision of pipeline and schema	Visualizatio n: Tablou -1hr	Visualizatio n: Tablou -24hr -Retweet -Top 3 Coins	Refinement	Complete