



# MakerDAO Brave New Coin On-chain analysis

21/01/2020

# About Brave New Coin

Since 2014  
Brave New Coin  
(BNC) has been  
collecting, curating  
and analyzing  
digital asset data.

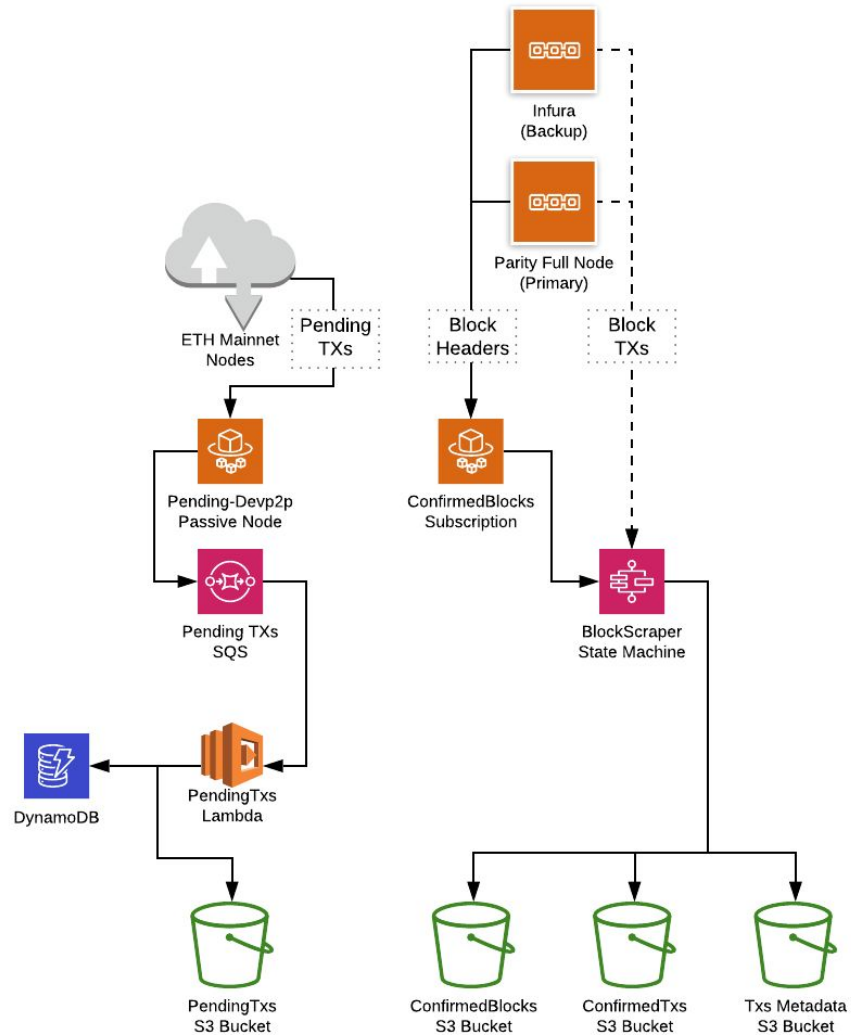


BNC's goal is to bring transparency to the sector that creates value and boosts returns –  
empowering customers with tools that give them a competitive edge in the market.

# Context - Gathering insights on the Vault holders behaviour

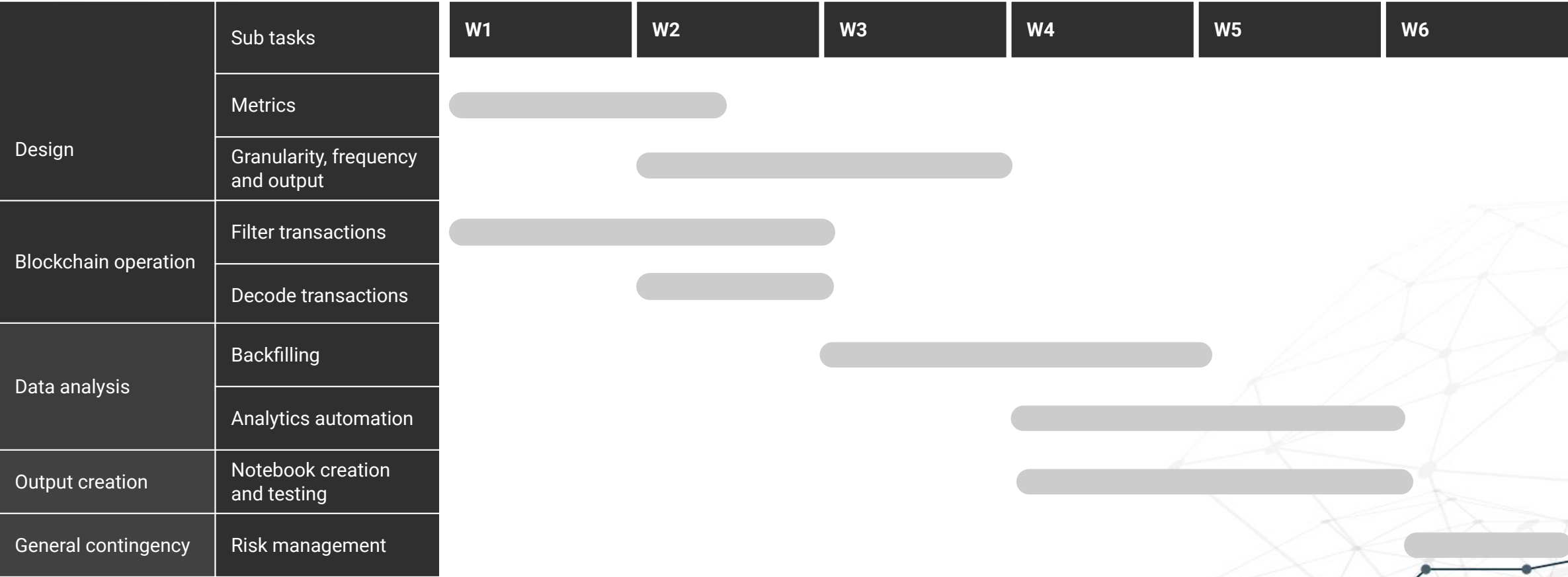
- MakerDAO released multi-collateral DAI on November 18th
- The team at MarkerDAO is running some risk analysis on 2 fundamental aspects
  - Asset specific risk metrics to assess if it can be considered as collateral (out of scope for now)
  - Vault holders behaviour to assess the impact of hypothetical policies
- To assess Vault holders behaviour, MakerDAO will require time series datasets extracting insights from the Ethereum blockchain
- The analysis needs to highlight the type of actions taken by Vault holders (Open, safe actions, unsafe actions, liquidation/close)
- MakerDAO would like several granularities and time intervals to perform different type of analysis (to be determined, from 1 hour to 1 month)
- MakerDAO will need to do some price correlation analysis to assess Vault holders response to price change
- MakerDAO would like to access the data primarily in the form of a notebook (jupyter)

# Data Process- BNC infrastructure and data management system



- Brave New Coin has developed a cloud-based infrastructure running in AWS to gather and analyse in Real time blockchain information.
- We are running multiple nodes in parallel to capture pending transaction data as well as confirmed block information.
- Our team is composed of system and software engineers, blockchain experts and data scientists.
- Brave New Coin is gathering, curating and analysing data since 2014 on both off-chain and on-chain levels.
- Brave New Coin is also publishing multiple indices including the Ethereum Liquid Index which represent the most liquid end of the Ethereum market and is consistent with IOSCO Principles for Financial Benchmarks.

# Data Analysis project- 6 weeks project plan





# Additional value- Brave New Coin could potentially provide more insights to MakerDAO



**LX and Market data**  
Trusted USD prices for Bitcoin, Ethereum and Ripple. BNC is also gathering market data from more than 250 exchanges and providing various products

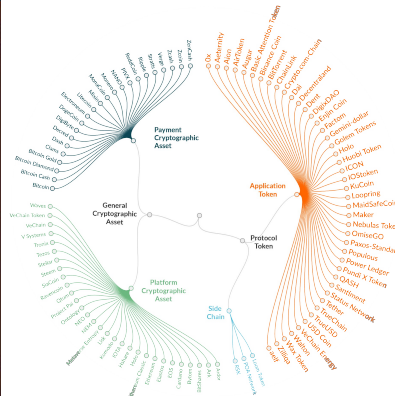
- Aggregated pricing (asset or market level)
- Exchanges analysis (Fake volume, liquidity, classification)



## Taxonomy

Comprehensive reference database based on BNC's proprietary methodology for classifying each asset according to technical, functional, financial, market and descriptive attributes

- 65+ fields of hierarchical classification (technical, sector, purpose)
- Ongoing field enhancement, optimization and automation program



## Alternative Data

150+ dynamic fields tracking core component of each asset to allow comparison and filtration

- Development activity
- Social metrics
- On-chain data
- Financial data

The screenshot shows a web interface for a newsfeed. It features a table with columns for 'TIME', 'HEADLINE', 'CATEGORIES', 'LINK', and 'DATE'. The table contains several rows of news items, each with a small icon representing the category. The interface is clean and modern, with a dark background and white text.

## Newsfeed

Human-curated newsfeed operating 24/7/365.

- Coverage of over 5,000 cryptocurrencies and ICOs
- Tagged by category, currency, sentiment, timestamp, source and keyword
- Fully customizable