

Integrated Justice System Data Project



Legislative Intent – Senate Bill 11

Create a complete, consistent, and integrated criminal justice system to assist legislative efforts to allocate financial resources and to enact policy changes that would improve outcomes for offenders and crime victims.

That the state must make effective changes while supporting its local partners

That improved state and local criminal justice system data collection, sharing, and integration will help change the current reactionary nature of the system;

Create efficiencies to save money in the future by reducing or eliminating time-consuming and sometimes redundant data entry;

Savings from efficiencies created can benefit both state and local stakeholder and taxpayers, regardless of where in the system an improvement is made;

Ultimately drives public safety by informing funding, policy, caseload, and staffing decisions, as well as how policy decisions can affect prison and supervision populations and recidivism.

Simply Put

- **Take all the various disparate systems of data and put them in one place so that effective policy, funding and operational decisions can be made.**
- **Implement in a way that supports local partners.**
- **Find savings and efficiencies for state, local stakeholders and taxpayers.**

Pilot Project Plan

Currently working with 3 different record management vendors to receive law enforcement data.

Working in parallel with vendors and counties to move forward as counties are able and funding allows.

State entities are at various stages of putting their data into the system.

BOCC Planning to Integrated Justice System Data Structure

- **Concerns**

- Will cost too much, \$ or people
- Won't provide any benefit
- Will be hard to participate
- Uses of Data

- **Approach**

- Low to no financial burden
- Low resource overhead
 - You do your job as normal, data gets to where it's needed
- Provide Value to Participants at every stage
 - Access to Tools
 - Access to Data Shares
 - Access to Requests
 - Access to BOCC Support
- Strict Data Governance

State Data Stack

- Agency Operational Systems – Varies
 - Each Agency uses their own systems as normal
- Data Pipeline Tool – FiveTran
 - FiveTran replicates agency's operational system databases to Snowflake
- Cloud Database Tool – Snowflake
 - Agency data available in cloud database
 - Data Prep and data transformations
 - Data shares to other stakeholders
- BI Tool – TBD (ThoughtSpot in piloting)
 - Agency data available to analytics and visualization
- Data Catalog
 - Catalog of data sets, items, and products
 - Data governance applied


























The Players (aka Stakeholders)

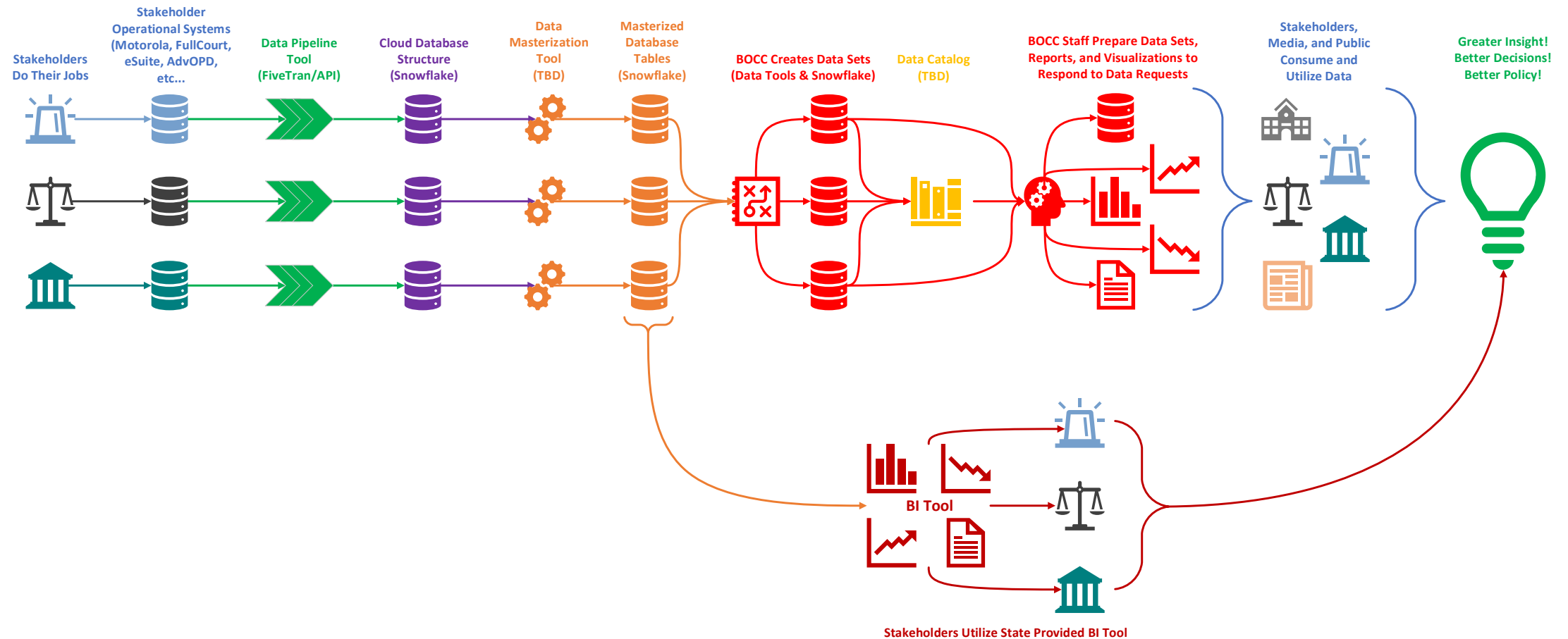
- Municipalities, Cities, and Towns
 - Police Departments, City/Town Attorney's Offices
- Counties
 - Sheriff's Offices, Detention Centers, County Attorneys
- Community Partners
 - Pre-trial Services, Treatment Providers, Pre-Release, Victim Services
- Legislature
 - Criminal Justice Oversight Council
- Board of Crime Control
- State Agencies
 - DOJ, COR, OPD, DPHHS
- Judiciary
 - Municipal, City, and Town Courts
 - Justice Courts, District Courts, Supreme Court



Anticipated Uses of Data

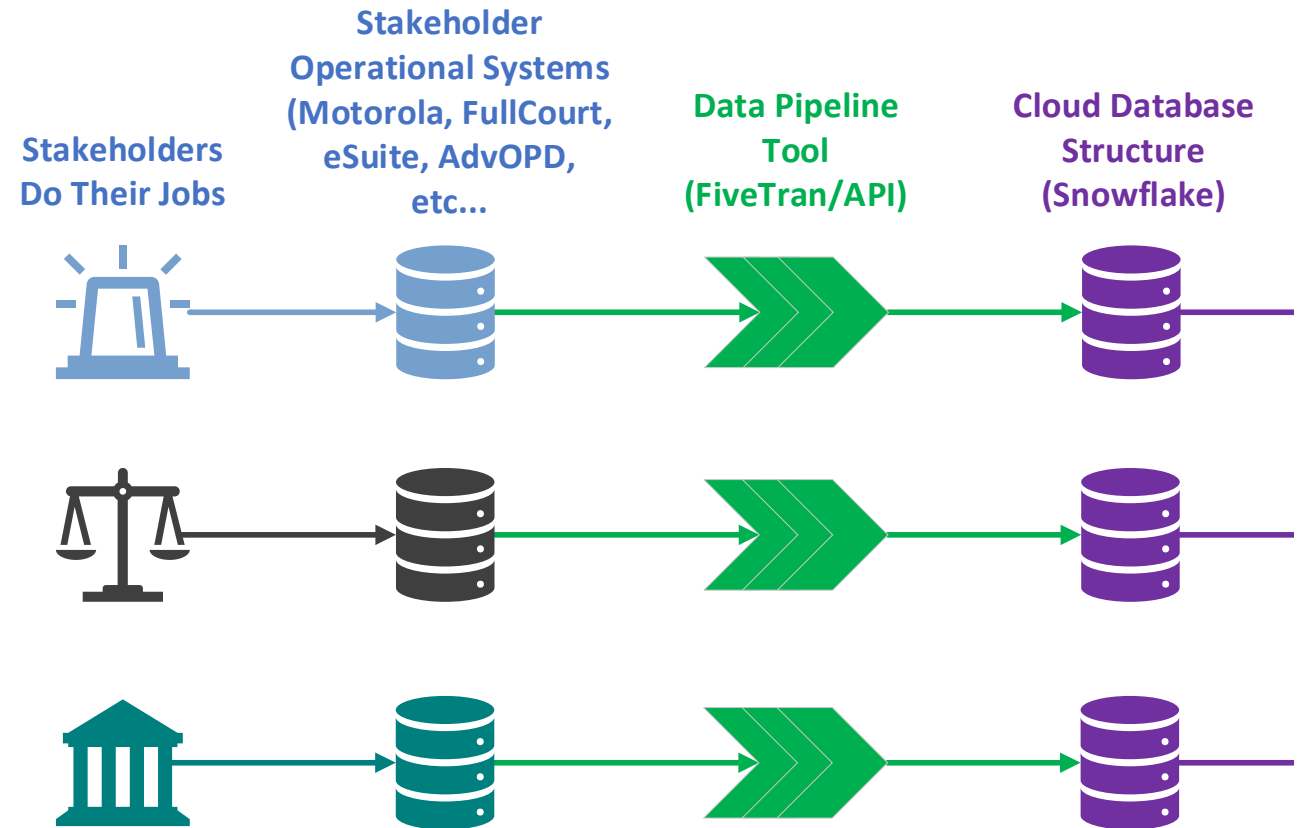
	Local Agencies	State Agencies	Legislature	Judiciary	Media	Public
Get Better Answers to Questions of All Kinds						
Tell Better Stories						
Improve Operational Effectiveness						
Reduce Operational Inefficiencies						
Make Better Policy						
Make Better Funding Requests & Decisions						

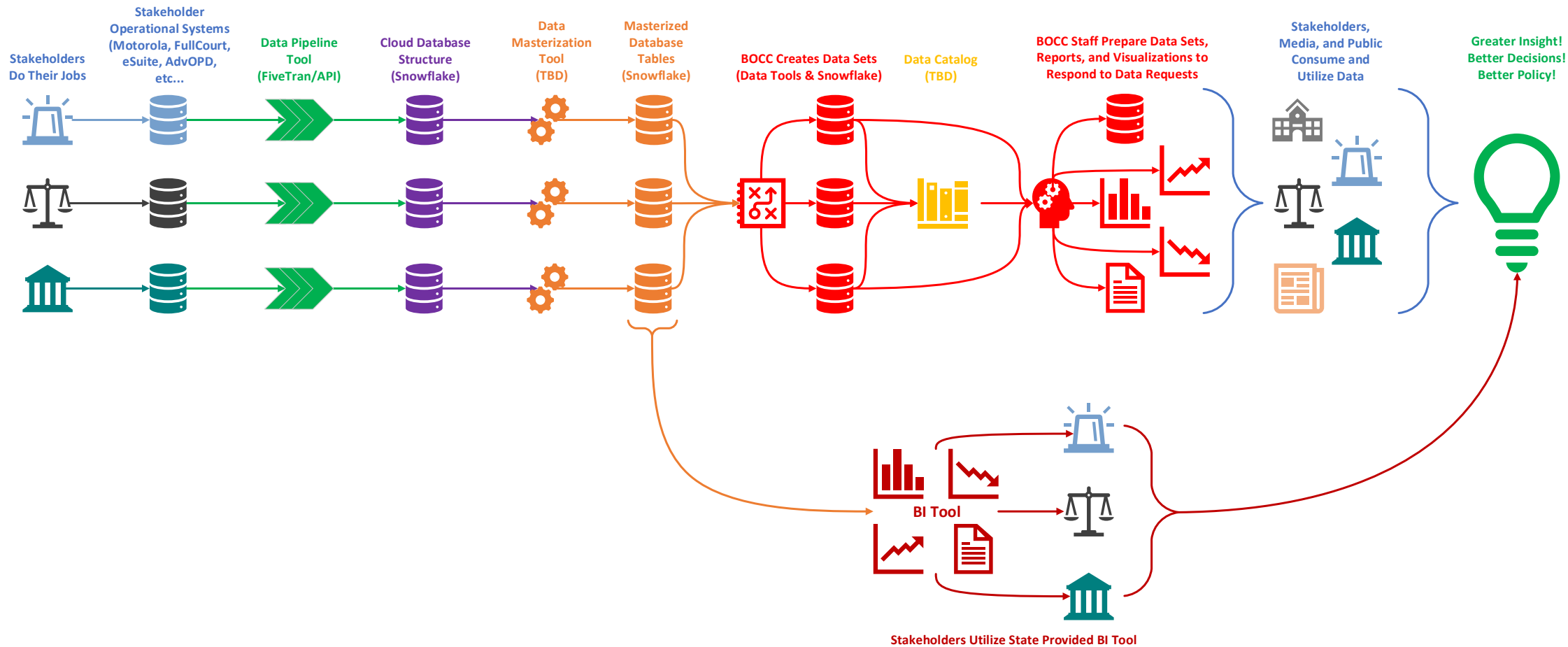
Integrated Justice System Data Structure



Getting Data from Stakeholder's Systems to Integrated Justice System Data Structure

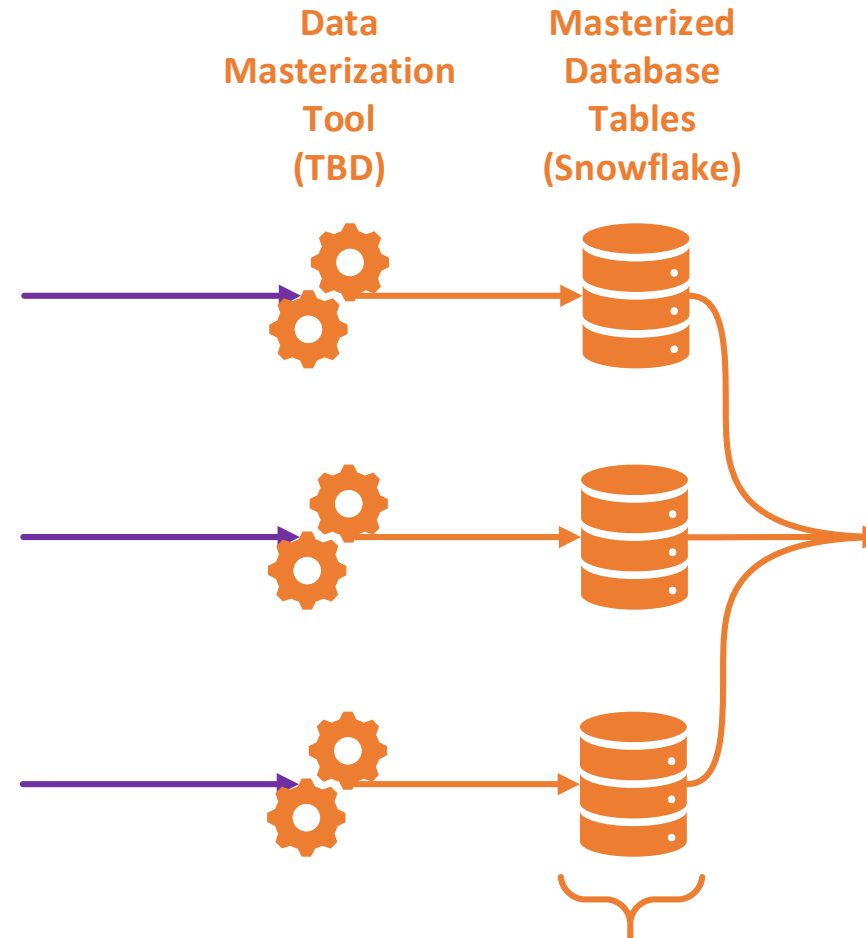
- Each stakeholder does their job as normal, ordinary business process
- Each stakeholder's operational systems are connected to a State owned Snowflake environment via a Data Pipeline tool
- Automatic data transfer

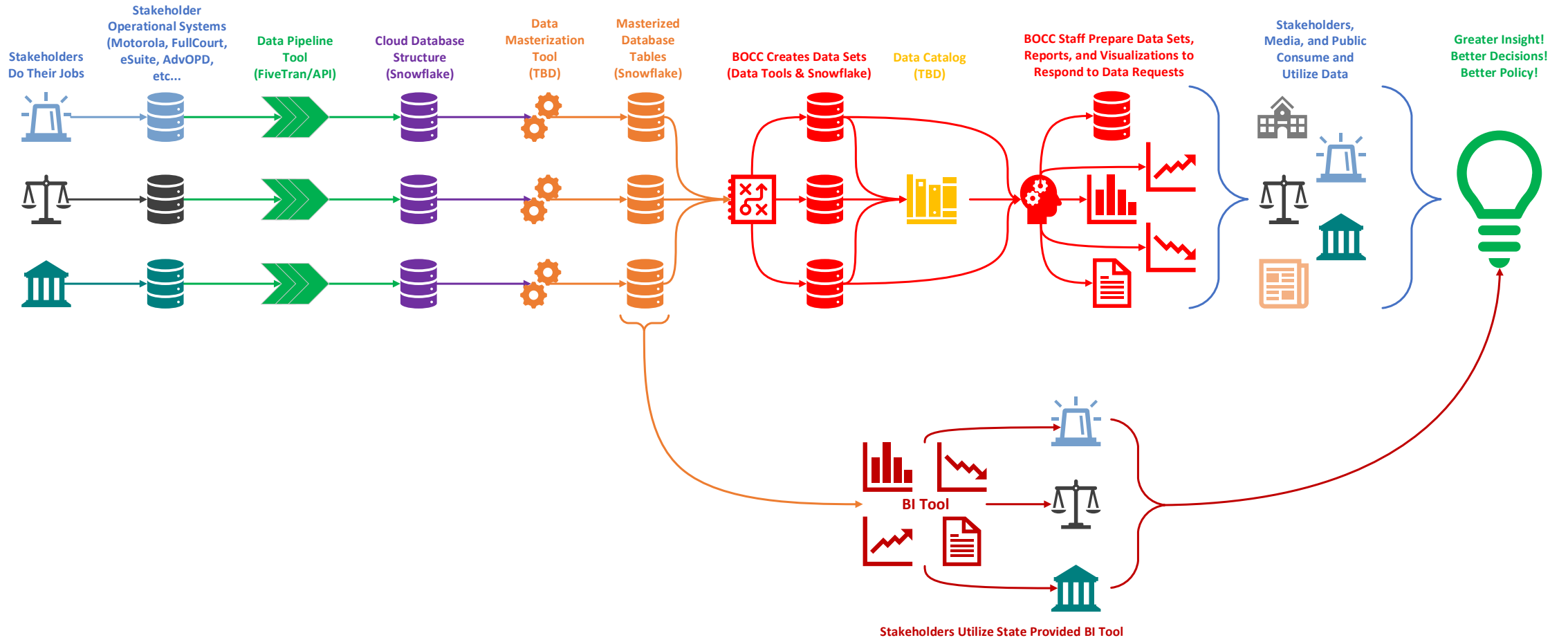




Preparing Stakeholder Data

- Stakeholder data will be masterized
 - Masterized record = “golden record”/single source of truth
 - Data cleaning, normalization, and unique IDs applied/created
- Masterized data will reside in a Snowflake instance/view available to BOCC staff



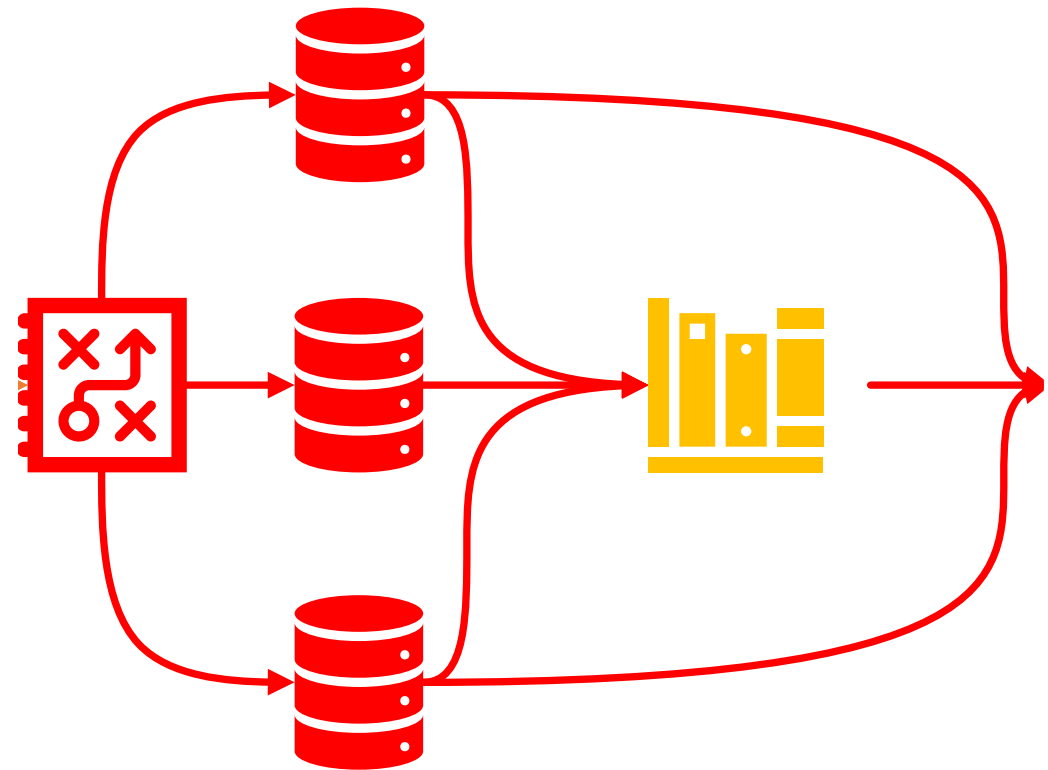


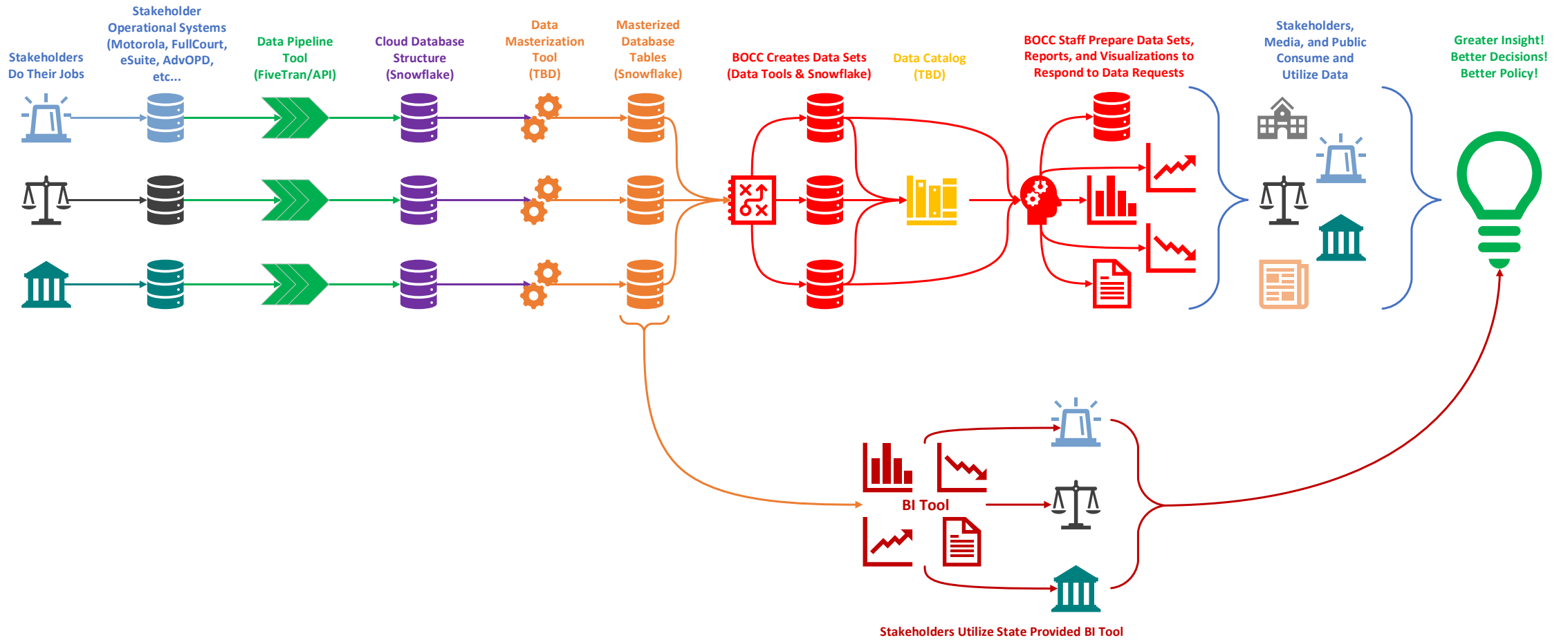
BOCC Creates Data Sets and Populates Data Catalog

- BOCC pulls from shared masterized data to create datasets
- BOCC populates a Data Catalog tool with available data
- Data Governance applied via data catalog
 - Governance ensures data is up-to-date and security and permissions are enforced

**BOCC Creates Data Sets
(Data Tools & Snowflake)**

**Data Catalog
(TBD)**

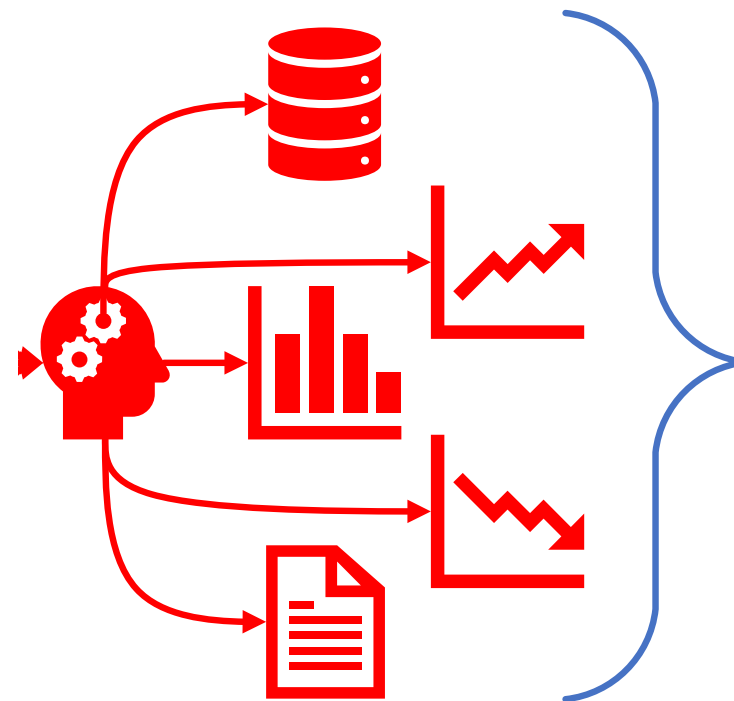


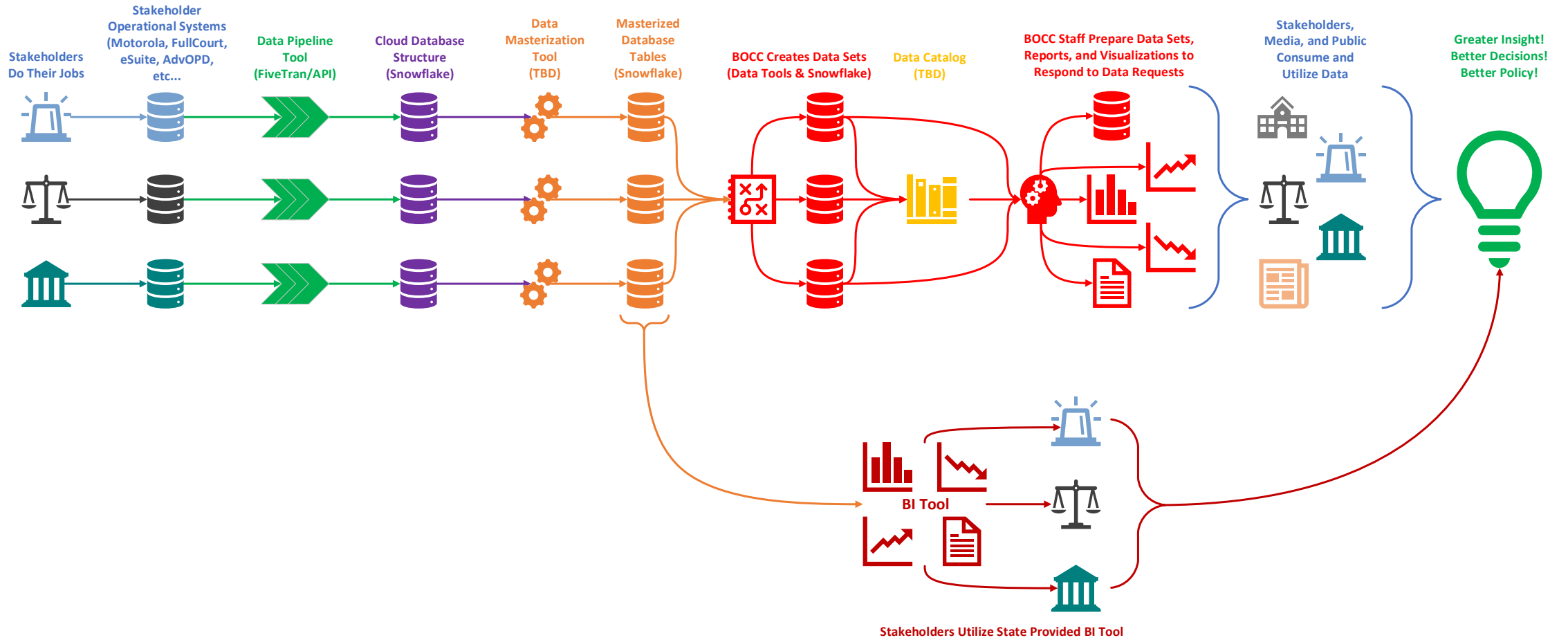


BOCC Responds to Inquiries

- BOCC accepts requests from stakeholders, media, and the public
- BOCC utilizes available data and data sets to answer questions
- BOCC provides data, reports, and visualizations as appropriate

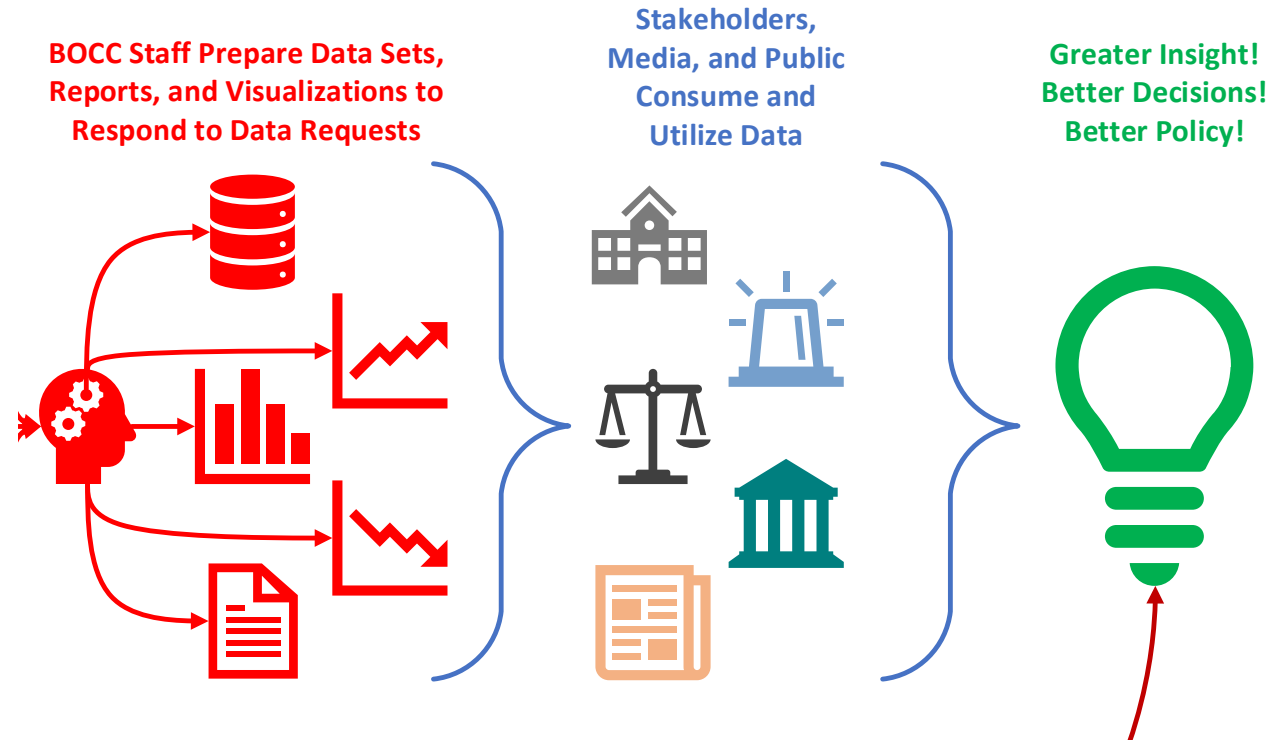
BOCC Staff Prepare Data Sets, Reports, and Visualizations to Respond to Data Requests

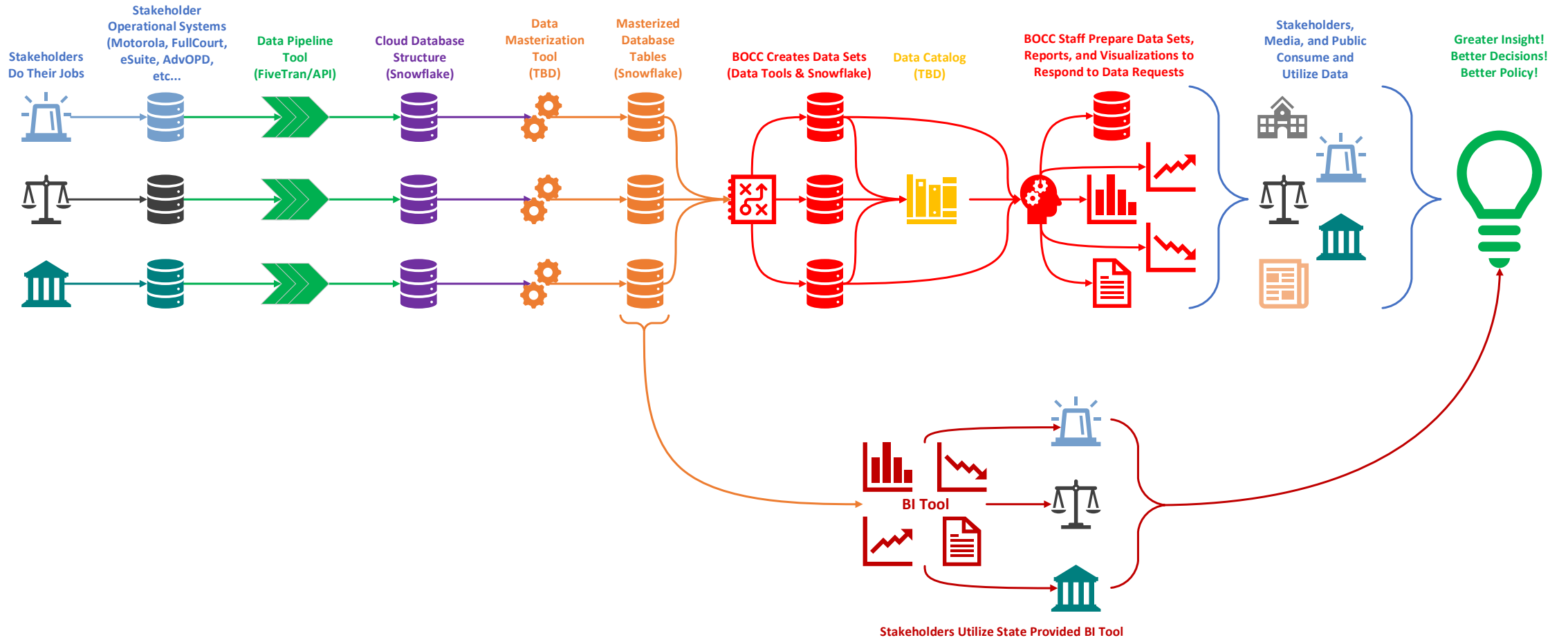




Data is Utilized to Achieve Greatness

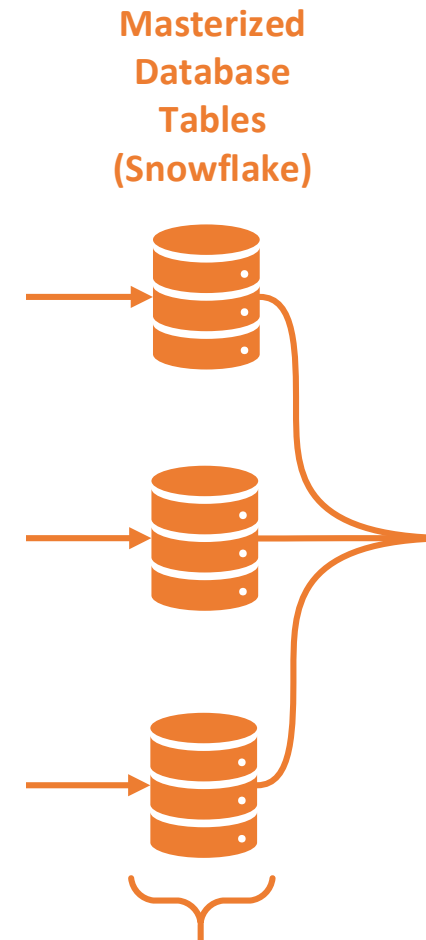
- Data, reports, and visualizations are consumed by stakeholders, media, and the public
- Greater insights are achieved!

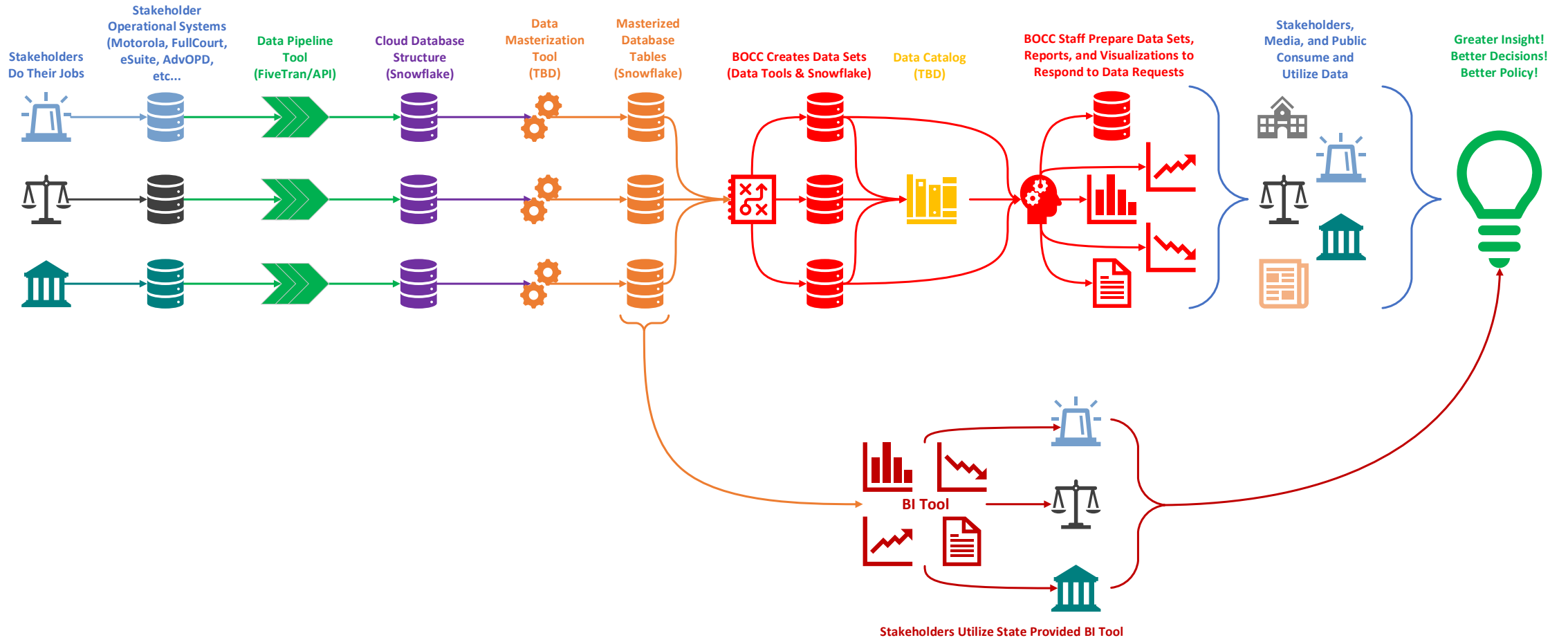




Stakeholder's Own Prepped Data

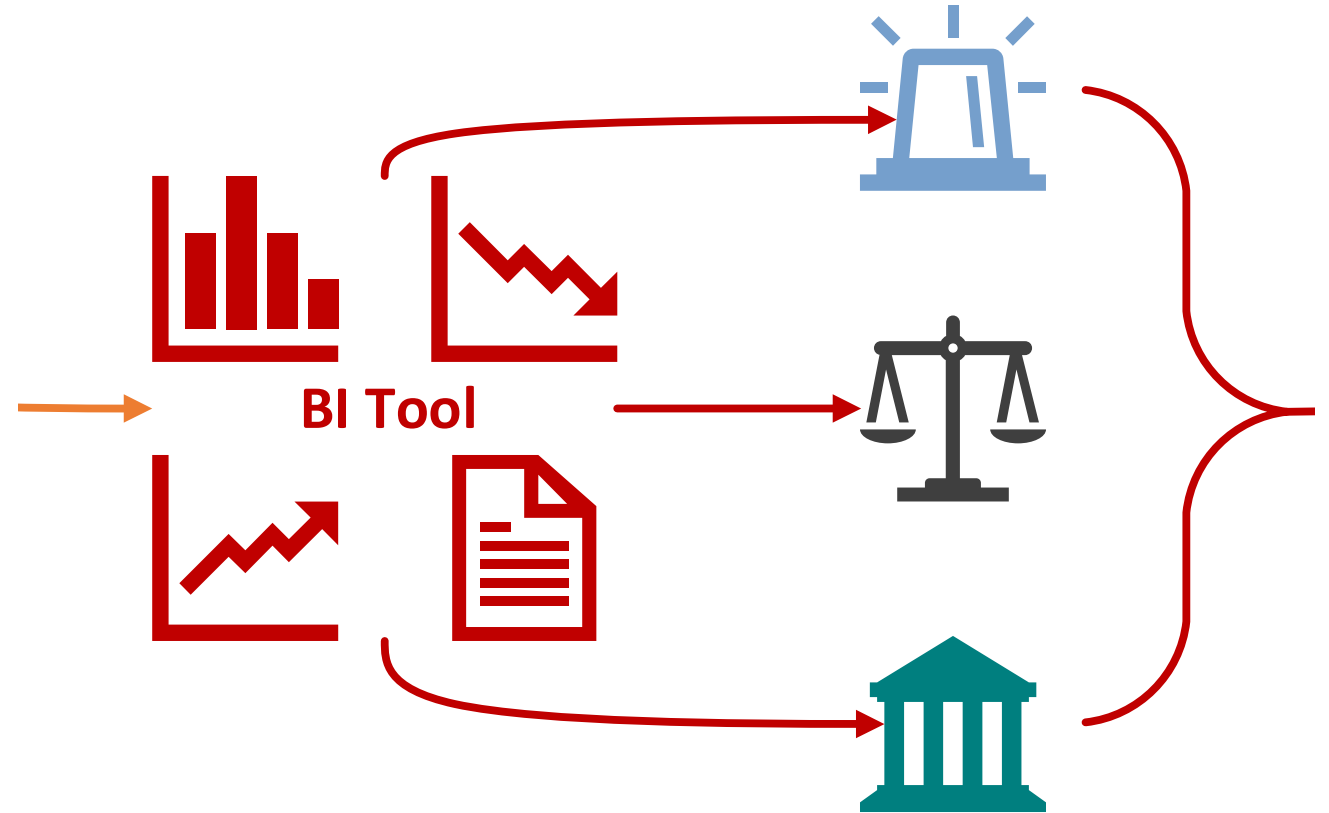
- Added value given to participant stakeholders
- Once their own data is masterized, access should be given back to stakeholder for use



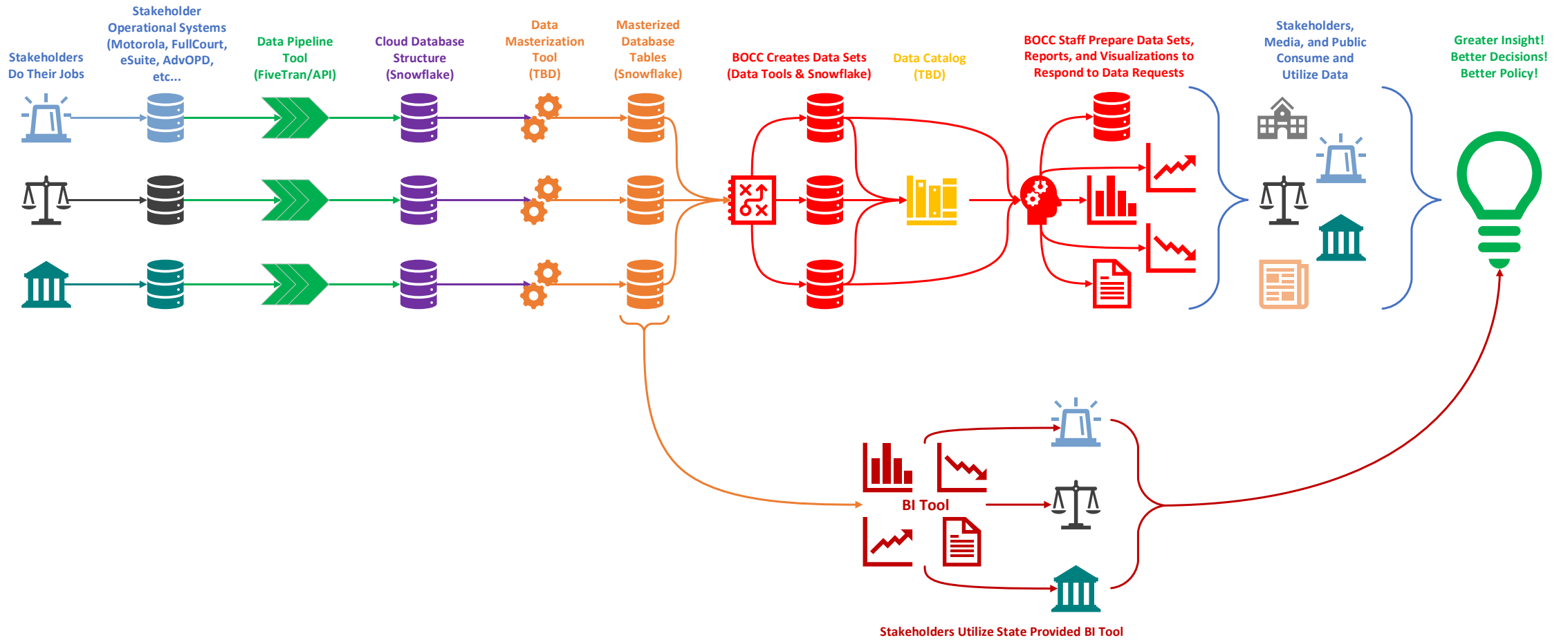


Participating Stakeholders Provided Access to BI Tool

- Participating stakeholders provided access to a BI tool for use with their own data
- Low to no Cost for Participating Stakeholders
- Early benefit for participating stakeholders
- Greater Insight into Own Data
- Could also include data shared from other participating stakeholders



Stakeholders Utilize State Provided BI Tool



The Future – Operational Data Flow



- Each stakeholder enters *only* the data and information that *they* need to for their role in the process
- Entities pull information and data from other stakeholders, greatly reducing data entry while also greatly increasing data accuracy
- Saves time, money, and resources while obtaining better, more accurate records
- Example exercise

Contact Information



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