

Data Platform Migrations – Few Learnings

Sujata Balupala – VP, Senior Manager, Data and Analytics sujatarajesh@yahoo.com



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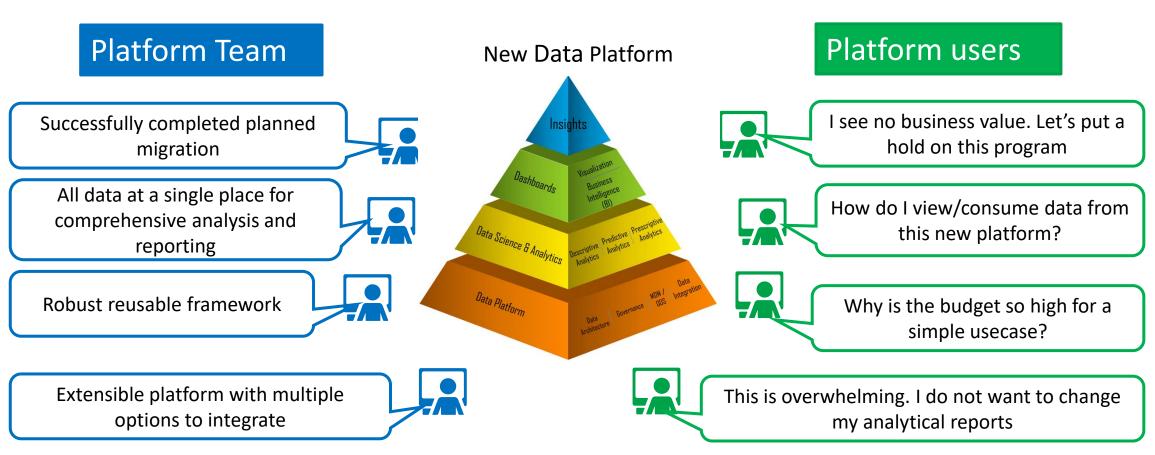


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Perspective on new data platform



Why and where is the gap?

Data Platform Migration Phases – Learnings

- > Initiation
- Planning
- Design
- Build
- > BAU

People who contributed

- Nandagopal Kuppusamy, Quality Assurance, Bank of the west (acquired by BMO)
- Kiran Pendurthi, Software Solutions Architect, Bank of the west (acquired by BMO)
- Arun Panneerselvam, Manager Group Senior, Bank of the west (acquired by BMO)
- Sanjay Sabnis, Manager Group, Bank of the west (acquired by BMO)
- Kiran Rakkireddy, Principal Solutions Architect, Bank of the west (acquired by BMO)
- Alexey Trepakov, Manager Group Senior, Bank of the west (acquired by BMO)
- Hardik Gosalia, Project Manager, BNP Paribas
- Heather Palmer-Palavido, Manager Group, Bank of the west (acquired by BMO)
- Hari Krishna Gottipati, Consultant, Bigdata practitioner

Initiation

Context

- How does it begin?
- Is platform modernization a technology program?
- Technology modernizations take advantage of storage cost, performance and quicker time to market. But, is there a business value to instigate?

- Clear goal/ vision on need for a new platform tied to a business value
- A road map with short term goals enabling target state/vision
- Continuous review, correction and alignment on roadmap with stakeholders

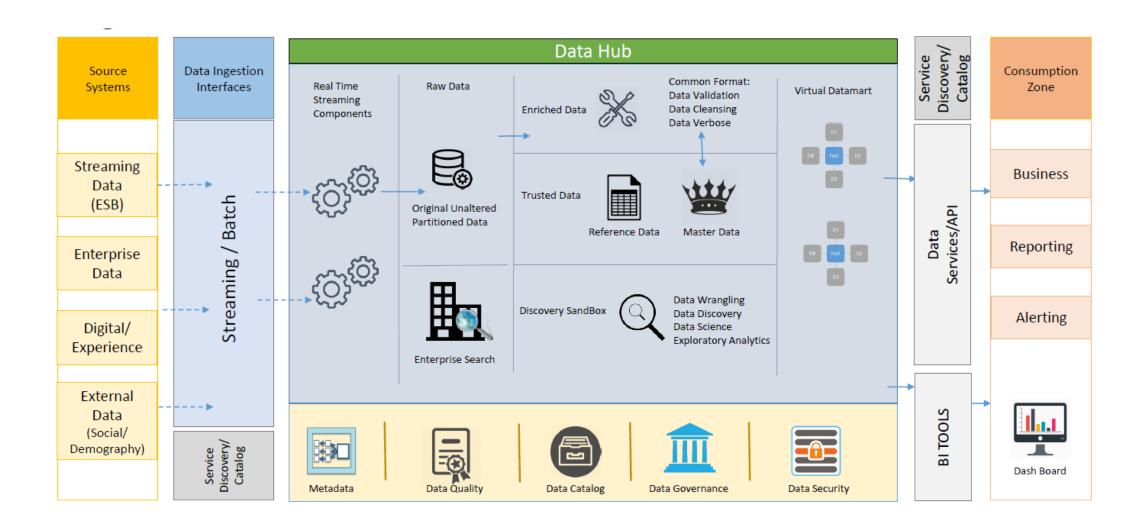
Planning

Context

- Is it required to understand current sources on existing platform and data consumption?
- Is end to end tools set evaluation from data collection to data usage planned?
- Is team talent on new tools assessed?

- Identify the right use case for MVP
- Tools evaluation need to consider
 - Data growth and customizations for long term vision
 - Current set of tools used to access data
- Data platform migrations are massive in nature. Provide room for data exploration.
 Allocate R&D budget
- Plan on team talent growth including business team

Data Platform Example



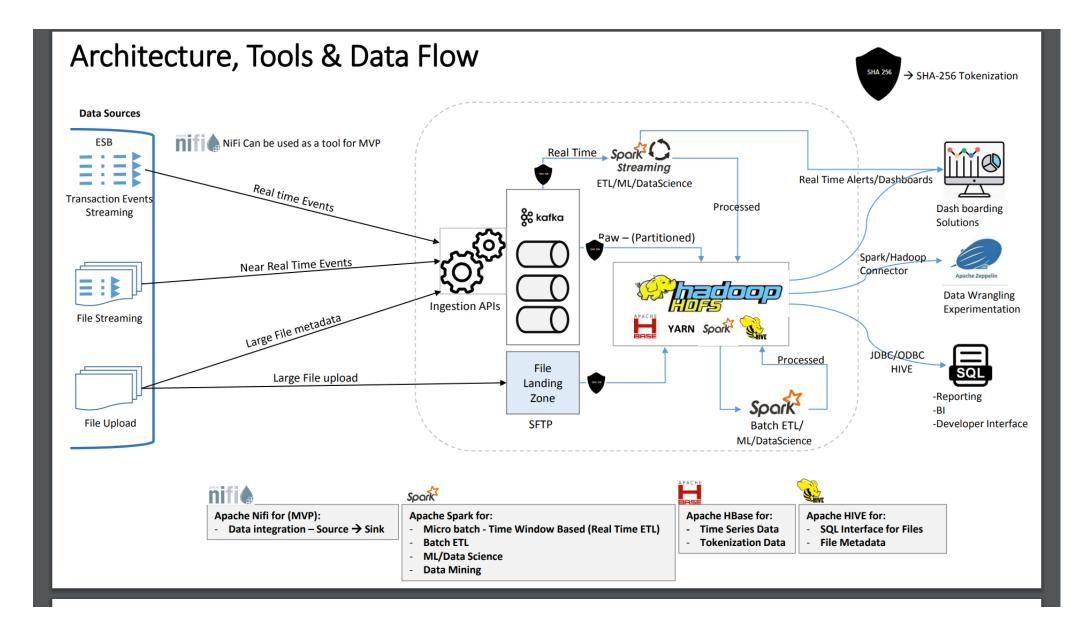
Design

Context

- Are challenges/ drawbacks on current platform the main input for new platform design?
- Does the design allow easy implementation with required robustness?

- Prioritization of frameworks/components for successful MVP
- Build reusable models and modularization
- Define Access controls

Data Flow Example



Build

Context

- Does hiring SMEs on new platform technology help to build faster?
- Process Vs Timelines. Which one is a priority?

- Identify the right composition of team with experts, data nerds and passionate learners
- Build a sandbox for teams to try outside of development, QA and production environments
- Post MVP, plan on onboarding trainings which help with quick training for large teams

BAU

Due to massive nature of platform migrations, a BAU is always a learning, evolving phase with many more additions and integrations

