

# Architecture Assessment for IT Services Bureau



**Client: A leading provider of targeted high-value sales and marketing data, market intelligence, and global research**



## Situation

The client experienced delays and cost over-runs while attempting to migrate mainframe applications and data to Linux. The Linux migration was predicated upon realizing:

- A new cost-effective Data Processing System (DPS) that leveraged modern technologies
- A platform for creating and offering new products and services at improved profit margins
- A enhanced customer experience through new self-service capabilities and improved customer service
- Reduced IT costs through elimination of the mainframe, and retirement of costly legacy applications



## Action

As Engagement Manager, I led a team of onshore and offshore architects and analysts in conducting this Architectural Assessment.

- We determined that the client's Linux-based Data Processing System (DPS) would not meet business requirements, nor scale to expected workloads
- We proposed a new SOA-enabled Linux-based solution:
  - Commercially supported Open Source technology stack (WSO2, Apache, Hadoop, etc.)
  - High-performance massively parallel processing
  - Standards-based
  - Cloud-Ready



## Challenge

The Architectural Assessment focused on the scalability, capacity, and viability of the client's Linux-based Data Processing System (DPS) as developed thus far. Several challenges had to be overcome:

- A new and vibrant client leadership team was in place; however, some processes and behaviors were not yet realigned
- Client IT maturity was very formative with newly chartered Project Management and Testing disciplines being rolled out
- The client team lacked experience in distributed computing and Service Oriented Architecture (SOA)



## Result

Financial and technical benefits were achieved:

- Avoided further investment into a non-viable solution
- Reduced mainframe costs through accelerated retirement
- Reduced time-to-market through Open Source and COTS packages

**This transformational future state architecture provides IT flexibility to support business agility, and lowers IT cost basis to enhance competitiveness.**