

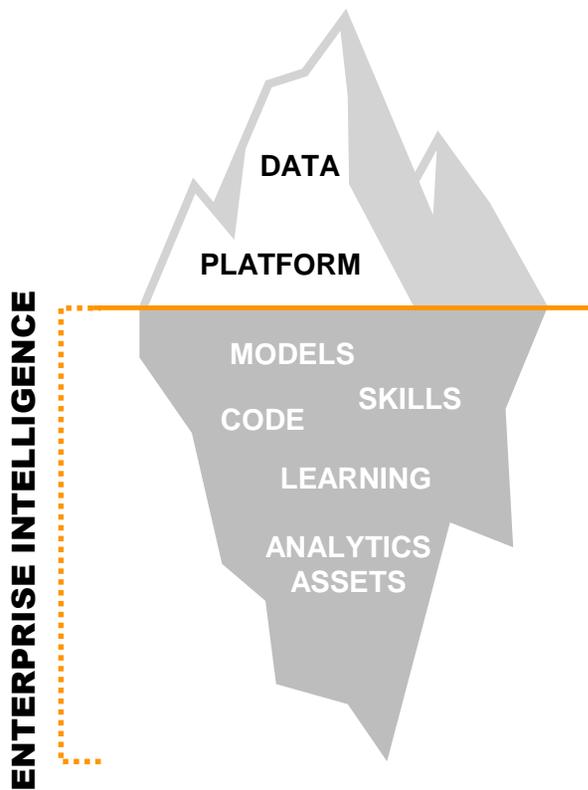


**ACCELERATE
MIGRATION OF
ENTERPRISE
INTELLIGENCE**

**ACCELERATING TO
THE NEW SERIES**

ENTERPRISE INTELLIGENCE IS MORE THAN JUST DATA AND PLATFORMS

Many organizations have built new data capabilities including analytical data sets and data lakes.



However, we've found that most clients are failing to explicitly migrate decades worth of enterprise intelligence hidden inside the scores of analytical models

These models ride on top of the data-warehouse and are deployed into all critical decisions from customer acquisition to servicing, risk management and fraud etc..

We understand that a concurrent and explicit "analytics and quant-talent migration", in addition to a data and tech migration strategy and program, must be undertaken to effectively utilize enterprise intelligence.

Jan '18, Accenture survey of leading FS Chief Data Officers

Failure to migrate Intelligence will leave business capabilities and impact stranded while data infrastructure migrates to the New.

ANALYTICS MIGRATION - MORE THAN CODE

A multi-dimensional program is necessary to MIGRATE @ SCALE



INTELLIGENCE MIGRATION REQUIRES ADDRESSING MANY QUESTIONS



Which legacy analytic data sets get migrated?



In which order should legacy analytics data sets be migrated?



Is my new architecture sufficient or does it need upgrades/ enhancements?



How do I migrate models? Do I have to rebuild all of them?



How do I effectively govern and manage an enterprise-wide analytics platform?



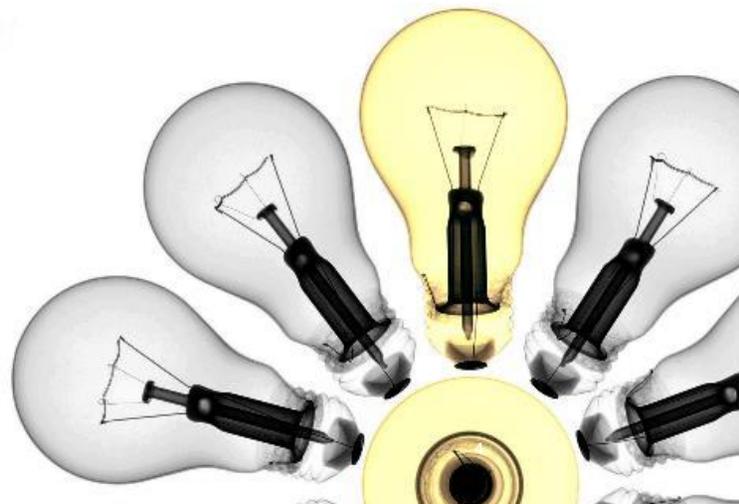
How do I train my current users so that they can be effective with new tools?



How do I ensure that my users have the data manipulation and advanced analytics tools they want and need?



How do I measure success of analytics asset migration?



OUTCOMES OF A SUCCESSFUL INTELLIGENCE ASSET MIGRATION

DECOMMISSION OF LEGACY DATA & ANALYTICS ASSETS

Platforms & Tools

- Reduce platform cost and complexity
- Fund ongoing data, tools, and model migration through active decommissioning
- Simplify user tools

ARTIFICIAL INTELLIGENCE-DRIVEN CULTURE

Enterprise-wide Adoption

- Embed analytics into enterprise processes
- Embrace AI opportunities
- Democratize access to data

UPSKILLED TEAMS READY FOR THE 'NEW'

Leveraging the "New" Models and Tools

- Foundation for responsible AI / ML
- Skills aligned with academia and research
- Maximize use of highly advanced, open source algorithms and emerging toolsets

PERFORMANCE AT HYPER SCALE

Foundation for the "New" Analytics

- Innovation speed, cloud-ready
- AI-ready
- Resilient data management capabilities

INTELLIGENT INFORMATION PRODUCTS

Enhanced Insights & Data Products

- Creation of more effective data outputs
- Self-reinforcement of data learnings
- Better data quality

HOW DO I START?

HOW DO I ACCELERATE?

I need to understand the current landscape across several dimensions to uncover the 'hidden' assets of my enterprise intelligence:



Usage & Volumes of Assets

- Number of legacy users by platform / tools
- Time distribution on analysis code (Data Extraction & Manipulation, Reporting, Modeling, Visualization)
- Frequency of the analysis delivered
- Number of unique analyses
- Average time required to execute a SAS job / analysis



Code Complexities

- Automated / Pre-scripted Code
- Development vs. Reuse
- Macros, Array, Procs, Loops, Data Steps etc.
- Modeling techniques – GLM, RF, GBM, NN etc
- Average number of lines and time for job execution
- Number and type of data platforms and tables used per analysis



Business Criticality & Readiness to Migrate

- End users for the analysis
- Different downstream processes impacted (Risk, Marketing, Audit, Compliance, etc.)
- For each Line of Business, interoperability challenges to migrate to new technologies



My Team's Skills & Background

- Assess the talent maturity of the resources for new toolkit:
- Extent of Tool usage
- # of years / months of experience across tools
- Level of Proficiency –No, Basic, High.
- Interest in developing the skills
- Preferred training methods to learn

JUMPSTART ANALYTICS MIGRATION EFFORTS THROUGH TALENT OR TECHNOLOGY INITIATIVES

Three different strategies were recently used to migrate enterprise intelligence at Financial Services institutions from legacy to the New.

“All In” Enterprise Intelligence Migration

Client 1: Leading US payments company



More than 2,000 Analytical users migrated:

- “High Touch” training and adoption approach
- SAS to open source
- Models converted
- Partnered with provider for Learning Academy

18 Months

05 Continents

Upskill Talent to Drive Adoption for Migration

Client 2: Leading European Bank company



200 Champions

- Talent up-skilling for Execs AND Practitioners
- Focus on emerging technology landscape on advance analytics
- Execs excited to migrate

06 Months

Culture shift started through education rather than forced IT upgrades

Migration to Drive Strategy

Client 3: Global payment company



80% Rule

- 80% data migrated
- 80% models converted
- 80% of staff trained
- Shifted Analytics org to “digital partner” from BI report development orientation

12 Months

Talent up-skilling through training to emerging technology landscape on advance analytics

