



Think Big Analytics Case Study

Increasing revenues while reducing costs with Kylo™ and advanced analytics for a government tax body

A government revenue board, part of Ministry of Finance, is responsible for an overall administration and collection of direct taxes including income, real property gains and petroleum. They set up a Tax Power Data Project to increase tax compliance rate, broaden the tax base and drive more revenue. To achieve the goals the revenue board assigned Think Big Analytics for the project to help them to leverage the best big data and analytics technologies.

The team used Kylo™ to accelerate data lake deployment and Aster to empower multi-genre analytics. With data science and advanced analytics, the customer witnessed an increase in revenue of taxes and improved identification of non-compliant cases while at the same time reducing administrative and operational costs.



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Government – Tax, Revenue Board

Business challenge

- Improving the understanding of taxpayers by making use of all available sources of data.
- Increasing the ability to detect and anticipate all compliance issues.
- Identifying tax payer generating income from Digital Economic activities.
- Recognizing under-reporting of GST.

Solution

- Kylo™ used as turn key data lake orchestration tool to accelerate data lake deployment.
- Services provided: Data Lake Foundation and Data Engineering Service.
- Aster on Hadoop used for multi-genre analytics and Data Science for 14 analytic use cases.

Benefits

- Increased Tax Collection.
- Improved the probability of identifying non-compliance cases.
- Reduced administrative and operations cost.

Tools and Technologies

