

CASE STUDY

Big Data Analytics Leveraging Cloud



BUSINESS CONTEXT

- Customer has high volume of reports generated for their production line
- No separate OLAP system leading to duplication
- Lack of reporting portal which connects to the reporting database to generate canned reports.
- No self service reporting functionality available
- The architecture is unfit to scale to handle a ~10% growth per year

APPROACH AND SOLUTION

- Develop a scalable Cloud Big Data analytics platform, which is a single source of truth for all analytics
- Integrate Enterprise visualization tool for data insights and Visualization.
- Provision to integrate with ML platform to develop predictive analytics in the future.
- Provision to trace back any defect to do a root cause analysis
- Optimized Cost
- Ability to scale to Petabytes of Data

IMPACT & HIGHLIGHTS



Cycle time for New Report creation reduced from weeks to days



Cost effective solution with no upfront CAPEX



Advanced analytics using ML integration



Effective management of unstructured data

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