

Triton Consulting DataOps

Introduction

Data is a vital resource for every business. But many organisations find it hard to get hold of the right data, at the right time, to the right level of quality. Some simply have too much data, while others don't know exactly what data they have, or who owns and controls it.

DataOps allows organisations to take control of their data. It helps them create an overarching strategy for managing, sharing and getting value from their data in every area. When the whole organisation has a harmonised approach, everyone can benefit from useful, high-quality data, exactly when and where they need it.



To relieve bottlenecks and barriers in delivery of data and analytics solutions, organizations need to change the way they work. By introducing DataOps techniques in a focused manner, data and analytics leaders can affect a shift toward more rapid, flexible and reliable delivery of data pipelines.”

Gartner

In a recent S&P survey bottlenecks in people, process or technology' were reported as a top pain point by 31% of respondents, followed closely by 'not enough automation available' at 27%.

90%

of survey respondents admit that they have yet to achieve an 'optimised' DataOps strategy

Additionally, with 55% of all respondents agreeing either 'somewhat' or 'completely' that data is often stale or out of date by the time it's used it is clear that these challenges are having a major impact - and with 38% of respondents reporting a 'lack of personnel or skills' as their top pain point, they are struggling to overcome these challenges alone.

Although DataOps is on the radar for many organisations, 90% of survey respondents admit that they have yet to achieve an 'optimised' DataOps strategy. Triton's service has been specifically designed for firms in this position, to help them work out what they need to change, and how they can put DataOps into practice.

Why use DataOps



Breaking down silos

Eliminate data silos within organisations and make data available where it is needed



Data you can trust

Improve and monitor the quality of your data so you can be confident in the generated insights



Control your assets

Implement governance and control to meet regulatory requirements and avoid your data lake becoming a data swamp



Act fast

Enable rapid development and a fast, safe, route to live to take advantage of new data insights before your competitors

Triton's DataOps Consultancy

Whatever stage of the journey your business is at, we can design and build the infrastructure that will allow your data scientists, business intelligence professionals and reporting specialists to get more value from data.

We work with your data professionals to give you the tools and processes you need to reap the rewards of a DataOps approach to handling your data. Triton consultants are skilled across a wide range of open-source, commercial and cloud based databases, data engineering and visualisation tools so you can be sure the solution will fit the requirement, rather than trying to fit the requirement to a solution.

DataOps Maturity Model



Triton's DataOps Consultancy

Every organisation is different, so we believe it is important to ensure a DataOps solution is tailored to the individual requirements, to achieve that our service breaks down into two phases:

1. Review

- Organisations who are new or struggling with DataOps may want to take advantage of our DataOps Review offering to understand the possibilities, and how they can achieve them prior to starting an implementation project.
- We analyse where you are now, where you want to be and how to get there, and then provide a report on next steps and the benefits you could get from DataOps.

2. Consultancy

- For organisations who are confident in their requirements, we offer a DataOps Consultancy service which provides skilled consultants able to cover any requirement, from architecture and project management to technical implementation and training.
- We help you get the right people, processes, and tools in place to create more value from your data by making data available quickly, safely and cost-effectively.

Triton's DataOps Services will significantly reduce the risk associated with the introduction of this new approach to data pipeline development and operation.



Whatever data you have now, and however you're using it, we'll help you make the leap from chaos to control. Talk to our expert team.

Our Client Experience

DataOps projects come in all shapes and sizes, often iterating on earlier data project efforts to achieve more efficiency and speed. The engagement here describes a project completed for a large financial institution where Triton Consulting applied DataOps processes and practices to enhance reporting.

A large UK retail bank had identified the need to measure and report on compliance with their data quality standards for data feeds related to their online banking facilities. With tight deadlines to meet a minimum viable product (MVP) had been put in place, however there were a large number of repetitive manual steps involved in producing and formatting the data, and any changes required a time consuming number of manual development and testing steps.

Triton Consulting were tasked with the design, development and implementation of a solution to improve the measurement and reporting process. Building on the work of the MVP, DataOps practices were implemented to improve the quality of the data feeds, whilst lowering the effort required to operate and update the reporting system.



Implementing this solution has reduced the time and effort involved with developing and executing the reporting solution, whilst increasing the number of insights available.”

Firstly, working with stakeholders across the bank, data quality rules were refined based on analysis of applying them to data feeds and updated in the Collibra data quality tool. These rules were then built into a custom flexible framework which simplified the management and automated execution of the data pipelines that make up the reporting suite, and enabled a more comprehensive set of insights to be made available. With a defined framework any new or changed requirements can follow an agile development, testing, and approval path. This combined with a reduction in duplicated SQL and code significantly reduces the time and complexity to go from a requirement to updated insights being available.

With the data pipeline development and execution revamped to be faster and more efficient, the presentation of the data was next to undergo a DataOps transformation. Microsoft Power BI was in use in other areas of the bank, so it made sense to leverage the existing investment and training in that product to produce an automated dashboard which removed the manual steps involved in producing and distributing the existing reports and provided enhanced trend reporting.

Implementing this solution has reduced the time and effort involved with developing and executing the reporting solution, whilst increasing the number of insights available. Compliance measures and alerting are available more quickly, and made available to all interested parties as they are produced meaning any errant data is now quickly flagged up to the responsible business areas to enable root cause analysis.

About Triton

Triton Consulting are experts in Hybrid Data Management and Digital Transformation.

The company's team of consultants represent some of the most highly experienced and qualified in the industry, and are able to advise on a range of Data Management solutions from IBM and the major cloud vendors. Triton are internationally recognised for their expertise and can boast five IBM Gold Consultants and five IBM Champions for Data and AI, with consultants certified on AWS, Azure, GCP and IBM cloud platforms.

Triton Consulting has been providing consultancy services for over 25 years.

As well as expert consultancy in all areas of data management, Triton Consulting also cover a wider spectrum of high-level consultancy including senior project management, technical planning, technical architecture, performance tuning and systems programming.

Find out more about Triton
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