Modernize data warehouse and business analytics environments
DXC Data Workload Optimization Services

Maximize your enterprise data warehouse investment and enable business intelligence innovation, all while controlling costs.

Benefits

- Meet growing user demands for agility, and for real-time access to data and advanced analytics

- Gain access to leading open source algorithms, machine learning and artificial intelligence

- Achieve up to 80 percent lower administration costs and up to 90 percent lower storage costs

Key industries

- Insurance

- Healthcare & Life Sciences

- Travel & Transportation

- Banking & Capital Markets

- Manufacturing

- Public Sector

- Consumer Industries & Retail

- Energy

- Communications, Media & Entertainment

Many companies have a mature, business-critical enterprise data warehouse (EDW) environment that has successfully provided intelligence, analytics and reporting capabilities. However, the competitive model is changing. Enterprise business users are responding with increased demands on IT for real-time data analysis and an advanced, industrialized approach to analytics. Machine learning (ML) and artificial intelligence (AI) are no longer future considerations. Companies are testing, adopting and deploying these technologies *now*. They are an essential competitive advantage.

Transforming data workloads

DXC Data Workload Optimization (DWO) Services offer a cost-effective approach to major EDW challenges. With these services your organization gets help in identifying, prioritizing and transforming data workloads to optimize business outcomes, remain relevant, leverage business intelligence (BI) and streamline costs. Our services consist of assessment and implementation that address pain points to improve functionality, cost and performance. As demand grows, you'll be ready.

By assessing your unique challenges, we can determine the best approaches for mapping existing and new workloads — by business priority, value and complexity — and for deploying solutions in the cloud, on-premises or in hybrid environments. Our experts use diagnostic tools to characterize current and future-state workload performance to maximize your results.

Based on your specific assessment results, DXC provides recommendations that are tailored to your business environment. Then, based on your feedback, we begin implementation. The goal is to optimize your workloads in a prioritized and structured manner to generate the maximum business value. With our services, you can:

- Identify, scope and migrate key workloads

- Leverage existing investments and legacy databases, rationalize workloads and augment your technology estate to modernize your platform

- Enable analytics workloads requiring high CPU, memory and storage resources to run without disrupting your business, while providing the BI you need

- Employ flexible delivery — on-premises, in the cloud or hybrid

- Reduce total cost of ownership

- Lower administration costs by as much as 80 percent

- Lower storage costs by as much as 90 percent

Providing expertise and choice

As a skilled innovator, DXC stands out in the data warehousing and data management space for our track record of advances with evolving technology solutions and methods. Our deep engineering knowledge is demonstrated in the reference architectures we recommend to optimize workloads. These recommendations are based on DXC's extensive project experience across data architecture, data integration and information delivery.

DXC is a worldwide analytics provider, offering flexible delivery, proven resource models and a wide variety of options on how to staff, consume and manage critical data environments. In addition to 3,600 BI consultants worldwide, we employ 1,200 global analytics professionals. We use a proven consulting approach, leveraging deployed systems as well as native and third-party diagnostics. These and other tools help us identify workloads and optimization approaches to quickly assess the complexity of your migration effort.

DXC's technology independence means that you have choices. Because of our relationships with market-leading vendors, we can offer you best-fit established reference architectures that feature rapid design and deployment coupled with lower cost and risk. We partner with Cloudera, Hortonworks and MapR, in addition to cloud partners Microsoft (Azure) and Amazon (Amazon Web Services), making us a complete ecosystem provider.

Delivering results

DXC Data Workload Optimization Services are designed to help you quickly identify key use cases and problem workloads in your legacy data environment. Our experts define a high-level data strategy and architecture to address your important functionality, performance and cost challenges.

Examples of measurable benefits include:

- **Agile, on-demand EDW performance enhancements**. A U.S. financial institution achieved significant performance enhancements with DXC Data Workload Optimization Services. Queries that had taken 2 to 5 days were reduced to minutes and hours. A staff of three full-time database administrators supporting 100TB in the legacy environment was reduced to one half-time resource supporting 420TB.

- **Mitigation of legacy EDW by introducing new technologies**. Working with DXC, a U.S. telecommunications giant avoided $11 million in costs for capacity expansion by transitioning growing workloads to alternative, modern database management technology tools.

- **Skilled resources to integrate new open source and commercial technologies**. With DXC's help, an Australian government agency transitioned from a costly, tightly coupled, proprietary technology stack to a lower cost, loosely coupled open architecture.

Benefits to your organization

DXC Data Workload Optimization Services can help your business dramatically reduce the total cost of ownership of your EDW environment, with up to 80 percent lower administration costs and up to 90 percent lower storage costs — while *expanding* your data and analytics capabilities. Our approach helps you improve operational service levels for availability and response times, enabling you to focus on business objectives, not IT-related issues.

Our services improve analytical results and insight quality, enabling you to analyze more A and B scenarios as well as more data. You can also avoid data sampling for statistical analysis by having efficient access to much larger data sets than if you were operating in a traditional EDW environment. In addition, you'll have easy access to open source algorithms, machine learning and AI tools.

By modernizing your technology, you will be able to respond more quickly to new business requirements for items such as on-demand analytics applied to years of historical data, what-if analyses for new products, calculations for merger or acquisition scenarios, and responses to regulatory requests.

Our analytics practice can help you optimize workloads in a variety of environments: on-premises, in the cloud or hybrid. Regardless of the environment or industry application, you need to manage information efficiently and easily to drive business growth. To give just one example, DXC ensures that your business can rely on open source technology to enable high-performance improvements at the right price.

Next steps

Attend a DXC data workload optimization workshop to:

- Define your data workload optimization strategy and high-level data architecture

- Identify critical cost and performance issues

- Identify the business value of critical workloads and the savings potential that can result from modernizing your environment

Learn more at www.dxc.technology/analytics