

ARTIFICIAL INTELLIGENCE CONSULTING SERVICES

Unlock more value from your data with AI and other advanced analytics techniques

ESSENTIALS

- AI enables organizations to gain powerful new insights from their data
- Success with AI requires high impact use cases, modern architecture, skilled resources, and industrialized processes
- Dell Technologies Consulting offers a breadth of services to help customers drive the rapid adoption and optimization of their AI initiatives
- Services range from initial strategy and planning, to technical architecture, solution implementations, data engineering, and process design

Business Challenge

Artificial intelligence (AI) and other advanced analytics techniques, such as machine learning and deep learning, are enabling organizations to deliver faster, better, deeper and new insights that streamline and automate processes to generate operational efficiencies and drive new customer experiences. Organizations large and small are using the insights from data and AI to differentiate themselves from the competition.

As with every modern technology, AI comes with unique challenges, especially in the realm of data and compute. Determining how to effectively support AI workloads, what infrastructure is needed and how to architect it, as well as provision environments to keep up with business demand, are many of the questions organizations are grappling with. Questions beyond the technology and infrastructure are pervasive as well, such as how to get started with AI, which use cases to prioritize, and what people and processes are needed to support it.

Service Description

Dell Technologies Consulting helps organizations of all sizes, industries, and maturity levels adopt and accelerate their analytics and AI capabilities from strategy through to execution and data modeling. Services for AI include:

ProConsult Advisory Services

Facilitated development of a plan to modernize your analytical platforms and architectures for scalability and performance, using our AS-IS / TO-BE methodology. We provide an unbiased, end-to-end assessment that delivers actionable outcomes aligned to your corporate vision and strategy.

Big Data as a Service

Implementation of our integrated Elastic Data Platform solution for exploratory analytics and flexible workloads, such as AI, which provides self-service analytics in a cloud-like environment. We design the technical architecture and then fully integrate the solution into your environment and existing Big Data investments.

Big Data as a Service Accelerator

Quick-start implementation of a self-service capability using components of our Elastic Data Platform solution. We work with you to confirm the use case, gather requirements and design the solution architecture. Our teams then install, configure and integrate the solution into your environment and develop a roadmap for how the solution can be extended to the rest of the enterprise. This service is also included with the [Ready Solutions for Big Data](#) that bundles Dell EMC servers, networking, services and third-party software.

Applying AI in Healthcare

We worked with a national healthcare provider to develop and implement a robust analytics research platform that would enable an extensive community of researchers and innovators to work more efficiently with faster and expanded access to critical data.

Data scientists from Dell Technologies then partnered with the healthcare provider's data scientists and researchers to conduct research using the new platform. An example is research targeted at the alarmingly high number of seizures that occur in hospitals, most of which are only detectable by brain monitoring with EEGs.

The learnings from past EEGs can help hospital physicians provide better diagnosis and treatment. However, mining the information is challenging because the patients' EEG reports and data files are often stored separately and not clearly linked. It's also difficult to quickly extract useful information from the reports that describe clinically important events.

By applying AI and machine learning techniques, the team developed a highly accurate classifier for pairing report files with the data, as well as extracting information from the reports, providing a more effective data pipeline for clinical operations, quality improvement, and neurophysiological research.

Ready Solutions for AI

Implementation and operationalization of the Ready Solution technologies and AI libraries, along with architectural recommendations and guidance on industry-proven best practices, tools, and processes. The Ready Solutions for AI are a Dell EMC-designed and validated set of best-in-class technologies for software, including AI frameworks and libraries, along with compute, networking, storage and services.

Data Engineering Accelerator

Assistance in implementing and scaling your team's data engineering capabilities and implementing quick wins. This flexible service is tailored to your business requirements and priorities, and includes activities such as data source identification, security, installation of additional Hadoop tools and packages, data visualization dashboards, and training on new tools, methods and techniques.

Process Design

Assistance in setting up your 'data factory' with optimized processes and integrated teams, in order for business outcomes to be fully realized, create value on a true industrial scale, and dramatically reduce the overall cost and time to insight by automating steps and reducing waste.

Big Data Advisory and Implementation Services

A broad range of other services designed to help customers plan, implement and optimize solutions and infrastructure to drive value from their data and support AI and other advanced techniques. Services include technical architectures and roadmaps, solution and storage implementations, data and platform migrations, and health assessments.

Getting Started

Are you ready to harness the power of analytics to transform your organization? Dell Technologies offers a comprehensive portfolio of [Data Analytics Consulting Services](#) from strategy through to implementation and ongoing optimization, including services for AI. Contact us to learn more.



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