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DATA ANALYTICS TECHNICAL IMPLEMENTATION

Expand your big data and analytics capabilities with modern technologies and infrastructure

ESSENTIALS

- "Right-tool-for-the-job" approach uses open-source or proprietary tools based on your objectives, requirements, and priorities
- Comprehensive and balanced options for analytics capabilities, supporting tools, and infrastructure
- Optimized security, software, hardware, and process

Business Challenge

Some data analytics initiatives are independent infrastructure projects, while others are to build out and implement analytics platforms and solutions to enable specific use cases. Given the complex landscape of modern big data environments and technologies, increasingly heavy workloads from artificial intelligence and other advanced analytics techniques, along with organizational and process implications, many organizations struggle to implement analytics solutions at speed and scale and realize the projected ROI.

Service Description

With the Data Analytics Technical Implementation service, our seasoned consultants work with your IT teams to establish and/or expand the infrastructure and capabilities of your current environment in order to support your organization's analytics objectives and priorities. This includes addressing all areas needed to fully integrate and operationalize the technology into your environment, including the corresponding tools, organization, skill sets and processes.

Whether you are looking to virtualize your existing Hadoop deployment, consolidate all of your data into a single data lake, or want to automate the provisioning process end-to-end, Dell Technologies has the experience, pre-built templates, and expert resources to execute the initiative and accelerate the time to value.

Solution Architecture
Dell Technologies Consulting begins by designing an overall "fit-for-purpose" solution and integrates standard and customer specific requirements. Security, governance, and customer processes and skill sets are included in the design for each customer.

System Setup & Administration
Our consultants will then design, install, and configure the infrastructure, ensuring that it is setup correctly from the start and will scale as the environment grows. This can include bare metal servers, converged or hyperconverged infrastructure, and decoupled storage, depending on the types of workloads being deployed.

Solution Implementation
After understanding the business and technical requirements and an architecture is in place, we will deploy, configure, and tune the infrastructure within your environment. Once the infrastructure is ready, we will work with the operations team to define environment blueprints and then automate the provisioning process to streamline deployment

for the analytical users. This includes connectivity to existing or newly consolidated data sources with the application of security so that the right data is available to the right users, at the right time.

Solution Validation
The final component of the engagement validates the performance of all aspects of the analytics solution in production, as well as the platform performance and capabilities. Our experts provide tuning where necessary. We document validation results and engage in any issue resolution.

Summary of Benefits

The scope for this engagement includes implementation and integration of new technical capabilities to support your organization's analytics agenda. Dell Technologies Consulting can help you accelerate the time to value of your initiative and maximize your big data and analytics investments. Other benefits include:

- Faster time to insights via automated deployments of infrastructure

- Lower cost to operate and maintain the environment

- Use of existing infrastructure investments, or deployment of best-of-breed hyperconverged infrastructure and decoupled storage for even more operational efficiency

- Flexibility of pre-engineered, best-in-class, third-party, and/or open source components based on your objectives and preferences

Getting Started

Are you ready to harness the power of analytics to transform your organization? Dell Technologies offers a comprehensive portfolio of Consulting services for data analytics from strategy and architectures through to implementation and ongoing optimization. In addition to infrastructure implementations, related services include data and platform migrations, Big Data as a Service, and data engineering services. Contact us to learn more.

Learn more about Dell Technologies Services

Contact a Dell Technologies Services Expert

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