ELASTIC DATA PLATFORM

Provision and optimize analytics environments at speed and scale

ESSENTIALS

• Offers a powerful and flexible approach using existing Big Data investments and containerization technology
• Combines industry leading Dell EMC infrastructure and services with a unified Big Data-as-a-Service solution
• Accelerates time to insight; analytics environments can be provisioned in minutes rather than months
• Enables users to work with the tools of their choice and the data they require through a self-service delivery model

Overview

Hadoop® deployments often begin on a small scale with bare metal servers and direct attached storage. As these systems grow, organizations often struggle to keep pace with business demand while avoiding pitfalls such as data sprawl, too much governance or inelastic architecture. Delays can be costly, especially if it means data scientists are waiting for an environment to be provisioned rather than driving value in the quest for data monetization.

Solution

Dell EMC offers an Elastic Data Platform, which provides greater scalability and security for analytic environments. The solution also helps keep costs in check by reusing existing big data infrastructure and software investments.

The platform is designed around five key principles:

- Workload-specific infrastructure—high-performing, cost effective scale-out storage optimized for analytical workloads
- Intelligent software—enterprise-grade features and functionality using partner and open source solutions, such as BlueData for infrastructure abstraction and containerized workload deployment
- End-to-end automation—automated workflow from initial request through to environment destruction
- Enterprise Integration—integration into the existing enterprise Big Data environment, including ServiceNOW, Active Directory, and networking services

The Elastic Data Platform extends and augments an organization’s existing Big Data investments with workload-specific infrastructure, intelligent software and automation.
Getting Started

The Dell EMC Elastic Data Platform is a powerful and flexible approach to help organizations get the most out of their existing Big Data investments. Its scalability, elasticity, and compliance support the ever-growing needs of the business. Additionally it provides fast and easy provisioning, simplified deployments, cost efficiencies, and automated processing.

To accelerate the time to value, our experienced consultants will work with your organization to define the solution architecture and then integrate the Elastic Data Platform and Big Data-as-a-Service capabilities with your existing Big Data investments. The platform can be stood up in a matter of weeks and fully operational in as little as a three months, enabling higher data scientist productivity and increased opportunities for data monetization at speed.

Are you ready to harness the power of big data and analytics to transform your organization? Dell EMC offers a comprehensive portfolio of Big Data Consulting services from strategy through to implementation and ongoing support. Contact us to learn more.

Large Multinational Bank: Enabling personalized customer service and data-driven operations

In the highly competitive and digitally disrupted banking industry, this large multinational bank and financial services company wanted to harness the power of big data and analytics to provide a personalized customer experience and operate more efficiently. The bank had plenty of data however much of it sat in silos and the reporting capabilities were limited.

The bank engaged Dell EMC to assist them in their analytics journey and deliver a robust solution. We completed a five-week technology advisory service to assess the current state, document requirements, and develop a new reference architecture, business case and roadmap. We then implemented the end-to-end solution that included reconfiguring and re-architecting existing bank technologies and integrating new analytics tools to build an enterprise data lake and deploy the Elastic Data Platform.

Bank employees now have self-service access to integrated internal and external data and powerful, easy to use analytics tools to guide them in delivering a personalized experience to their customers and making data-driven operational decisions. They are fully embracing it with over 3,000 active users one year after the project started and an estimated $4.1M savings over the next three years in incremental compute and storage infrastructure costs alone.