

DELL EMC DATA ANALYTIC SERVICES FOR HEALTHCARE

Assess, prove and deploy

ESSENTIALS

Sample use cases for healthcare include:

IoT Device for Complete Care

Assess and prepare architecture for stream of data from IoT devices such as wearables, patient-driven apps, and other M2M sources connecting physicians to patients regardless of location.

Improve Patient Care

Constructed Data Lake to speed access to clinically relevant research and patient information for medical investigators to access and analyze.

Reduce Hospital Readmission

Apply data and advanced analytics to proactively identify and determine at risk patients and recommend how best to positively influence the behavior of chronically ill patients who account for the highest healthcare cost.

Operational Efficiencies

Maximize Medicaid reimbursement by comparing recent patient encounter data with Medicaid eligibility data looking for patterns that indicate Medicaid coverage may apply.

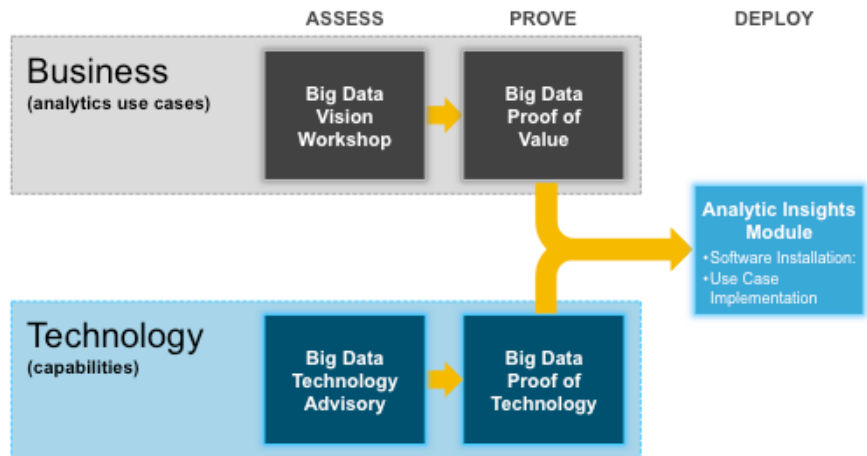
Patient Insight

Leverage analytics from patient data and doctor profiles to match patients to the best provider for optimal patient satisfaction and profitability.

BUSINESS CHALLENGES

Today's healthcare organizations are seeking to harness the potential of their data. For many healthcare organizations, the challenge with data analytics is weeding through all the possibilities to identify the best analytics use cases on which to start; then validate an analytics model that proves the value of the use case so you can develop a solution and then extend those capabilities throughout your ecosystem, and implement a true big data solution.

Helping your healthcare organizations meet its data analytics challenges, Dell EMC Services provides several consulting services that can enable success, based on where your organization is today on its big data journey.



SERVICE DESCRIPTION

A successful big data initiative starts with aligning IT and business. We offer business services that help you identify an analytics use case that will accelerate a current business goal.

BUSINESS SERVICES

Big Data Vision Workshop

The Dell EMC Big Data Vision Workshop determines how big data and analytics can contribute to your organization's top-level strategic initiatives. Our consultants collaborate with your IT team and other business areas (e.g., Research, Imaging, Connected Health, Security, or Finance) to envision, identify, and prioritize data and advanced analytics opportunities that can surface the most valuable insight, as well as provide a roadmap for executing that vision.

DATA ANALYTICS DELIVERS

A non-profit healthcare organization operating eight hospitals, several clinics, and nearly 200 ambulatory service centers was challenged by the number of department accessing and analyzing data from its Epic electronic medical record (EMR) system. They engaged Dell EMC Services to help develop a single enterprise platform for advanced analytics, using diverse data sets that can yield real-world evidence insight into delivery, care, and operation.

The project, which loaded 2 TB of data, resulted in their first Big Data use case: Population Health. Applying advanced analytics physicians and caregivers can proactively identify and determine how best to positively influence the behavior of the chronically ill patients who account for the highest healthcare cost.

Big Data Proof of Value

The Dell EMC Big Data Proof of Value service is ideal for a healthcare organization looking to evaluate how a data analytics use case can deliver value to patients, doctors, and business managers. The service includes the development and demonstration of predictive models using client data sets, and prototype integration to show how the analytics solution would integrate with production systems. High-level financial ROI and implementation roadmaps are provided to help develop a business justification for your big data initiative.

TECHNOLOGY SERVICES

For IT organizations seeking to expand capabilities and operationalize their processes to meet the growing demands for better/faster data and analytics, and that need to prepare the underlying infrastructure to support big data needs.

Big Data Technology Advisory

The Dell EMC Big Data Technology Advisory enables healthcare organizations to develop an architecture and plan for implementing big data capabilities. Our consultants start with a complete assessment of your current state, determine the ideal future state architecture, and provide a recommended roadmap and plan.

Big Data Proof of Technology

The Dell EMC Big Data Proof of Technology Service implements and validates the big data capabilities critical to the success of your organization in a non-production environment. This service gives you concrete validation that the proposed architecture, supported by the right technology and configurations, will deliver the required data analytics capabilities.

DEPLOYMENT SERVICES

Dell EMC offers a range of services for solution deployment and operationalization.

To accelerate time to value, the Big Data Technical Implementation deploys an analytics solution into production, inclusive of building the analytic models, surfacing data insight, and delivering it to a production app or process, with necessary hardware, software, tools, and governance.

Alternatively, customers can choose to deploy their use case(s) on Analytic Insights Module from Dell EMC—a fully engineered hardware and software platform that simplifies all phases of big data. Preconfigured building blocks, core Dell EMC technologies, and an open ecosystem let you focus on building new capabilities instead of developing, deploying and debugging new infrastructure. A flexible, self-service, virtualized ecosystem enables you to prove the value quickly, scale out rapidly, and keep security and governance under control. Removing the headaches of integration means that you can quickly start to realize the value of analytics.

SUMMARY OF BENEFITS

Dell EMC Services provides Healthcare IT leaders with the capabilities to successfully assess, prove, and deploy data analytic use cases, as well as the technology, capabilities, and platform required to support them.

- Dell EMC Big Data Vision Workshop, we can help healthcare organizations target the right use case, one that is both feasible and impactful.
- Dell EMC Big Data Proof of Value helps demonstrate the value of a data analytics solution.

- Dell EMC Technology Advisory helps healthcare organizations assess existing technology capacities and build new data analytics capabilities.
- Dell EMC Big Data Proof of Technology validates the architecture needed to deliver analytics capabilities.

CONTACT US

To learn more, contact your local representative or authorized reseller.



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