DELLEMC

ACCELERATE BUSINESS INSIGHTS

Dell EMC and Zaloni

Solution benefits:

Comprehensive Data Lake Management
The only fully integrated, easy-to-use solution that offers data ingestion, organization, metadata management and provides self-service access to end-users.

Data Visibility
Metadata management capabilities allow the user to keep track of what data is in the data lake - its source, its format and its lineage.

Data Reliability
Gives the user confidence that their analytics are always running on the right data, with the right quality.

Flexible Deployment Options
Compatible with all major distributions and can manage hybrid or on-premises environments.

Improved Efficiency Through Automation
Streamlines the data pipeline by automating repeatable management tasks, workflows and processes.

Enterprise-Wide Data Access
Democratizes access with a unified platform for all end users, including business analysts, researchers and data scientists.

Operationalizing the data lake to accelerate business insights

Data lakes—centralized repositories for raw data from multiple sources that can be made available to many users for nearly any purpose—will become essential to the modern data architecture. Their inherent flexibility promises to give enterprises the agility and scalability required to derive timely, valuable business insights from big data.

But transitioning to a data lake is easier said than done for enterprises contending with multiple legacy data platforms and applications. DellEMC and Zaloni have come together to help service providers and enterprises to apply actionable insights from network and customer data and improve customer experience, increase operational efficiency, introduce revenue-generating services and transform into data-driven businesses. The modern service provider can accelerate their digital transformation and remain competitive through a data analytics stack that

- Reduces time to insight via a more agile data platform
- Provides right-sized governance through a metadata approach
- Improves efficiency by enabling automation

This is an on-premises or hybrid solution that unifies management, including data lake management, governance and self-service underpinned by industry's #1 compute, storage and networking infrastructure portfolio.

How can data transform business insights?

A business's data can be the key to its transformation through effective data management. Service providers are challenged to modernize their data architecture and operationalize their data lakes to incorporate data into everyday business practices. The Dell EMC Service Provider Analytics Ready Architecture with Hadoop is the industry's only fully integrated self-service data platform.

Zaloni Data Platform (ZDP)

The ZDP provides a unified solution for the managed ingestion, organization and enrichment of data in the lake. ZDP makes it easy to derive business value from your data lake as it simplifies and automates common data management activities allowing the service provider to focus its time and resources on building the insights and analytics that drive its business. The result is improved time to market and competitive advantage.
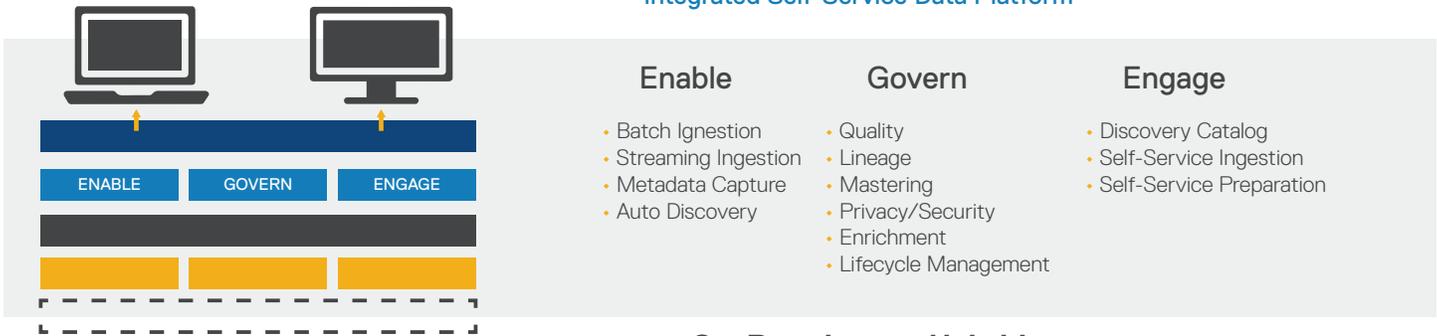
1. Enable the data lake for management that scales

IT and engineering teams can build and manage the data lake to scale for right-time insights across the enterprise:

- Ingest data, from any source, with ease
- Simplify and accelerate ingestion processes through self-service ingestion wizard
- Automatically capture operational, technical and business metadata to organize your data lake

The Zaloni Data Platform (ZDP)
Integrated Self-Service Data Platform

ENABLE	GOVERN	ENGAGE

Enable
- Batch Igngestion
- Streaming Ingestion
- Metadata Capture
- Auto Discovery

Govern
- Quality
- Lineage
- Mastering
- Privacy/Security
- Enrichment
- Lifecycle Management

Engage
- Discovery Catalog
- Self-Service Ingestion
- Self-Service Preparation

On-Premises or Hybrid
Distribution and cloud-platform agnostic

- Orchestrate and automate data preparation
- Significantly reduce time spent on coding via our drag-and-drop interface
- Maintain a clean data catalog for self-service data discovery and preparation

2. Govern the data lake for quality and trust

Data stewards and compliance teams can manage processes and access to data for right-sized governance and quality:

- Leverage metadata management for governance
- Track data lineage throughout the data lifecycle
- Implement agile data mastering
- Automate workflows to ensure data quality and integrity
- Enforce data privacy and role-based security
- Manage the comprehensive data lifecycle from inception to retirement

3. Engage the business with analytics-ready data

Analysts and data scientists can discover data sets, interact with them and uncover the insights that drive the business:

- Explore and curate data from an enterprise-wide data catalog
- Expand search globally across zones, projects, workflows, data quality rules and transformations
- Reduce time to analytics with self-service data preparation
- Enable collaboration in workspaces for improved productivity
- Increase efficiency through automated workflows

4. Simplify and amplify your modern data infrastructure

- Our fully integrated self-service data platform minimizes the pain of modernizing your data infrastructure and helps you streamline your complex and fragmented data stack
- Leverages any distribution and can be deployed in hybrid or on-premises environments
- Simplifies use, management and integration of ever-changing big data technologies and tools

Dell EMC Ready Architecture Advantage

The Dell EMC Service Provider Analytics Ready Architecture with Hadoop offers a simple and reliable path to identify and acquire tested, validated architectures aligned to CSP workloads so that service providers can accelerate innovation, reduce risk and lower the total cost of ownership. The Dell EMC Service Provider Analytics Ready Architecture with Hadoop delivers a hassle-free package of best-of-breed, disaggregated components to help CSPs get up and running quickly.

Dell EMC is able to offer full systems delivered with complete lifecycle support, with pre-constructed templates, tools and documentation that serve as starting points for your own custom built solutions and help you deliver better outcomes. Services and support from Dell EMC and channel partners complement your resources, while agile options from Dell Financial Services remove traditional capital budget bottlenecks.

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