Accelerate your data discovery with Lumada Data Catalog. You'll spend less time looking for data and more time realizing its value. Plus, ensure compliance with regulatory mandates by systemizing and rationalizing your data.

DATA SHEET

Lumada Data Catalog Speeds Data Discovery for Analytics, Compliance and Rationalization

Gain New Insights, Systematize Compliance and Root Out Redundancy

Has your organization struggled to discover and document your data? Has protecting sensitive data, getting the right data into the hands of the right users and responding quickly to regulatory requests become imperative? Has rooting out redundant data to reduce licensing and storage costs and identifying bad copies become essential? Does your agency thirst to gain value from all this data? Welcome to the world of data overflow.

Introducing Lumada Data Catalog

Hitachi's Lumada Data Catalog lets data engineers, data scientists and end users speed up time to value from captured data by accelerating metadata discovery and categorizing data. It permits data curators and stewards to manage sensitive data. Also, it enables IT administrators to eliminate unintended redundant data.

Data Discovery for Self-Service Analytics

Patented fingerprinting technology that leverages AI and machine learning (ML) automatically populates data catalogs. This approach reduces the manual effort

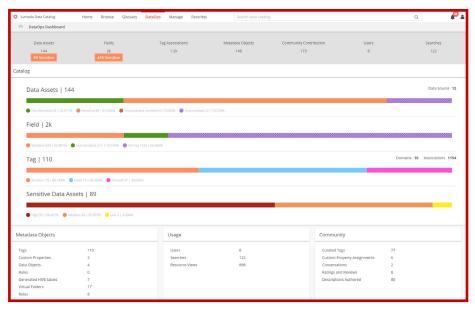required to discover and tag all enterprise data, leading to faster insights (see Figure 1).

- **Discover all of your data across the enterprise:** Automatically discover data across the enterprise, including "dark" data missed by manual tagging.
- **Ensure accurate data:** ML-driven discovery and automated tagging, which can include user-created tag libraries, reduce risk of manual processing errors.
- **Access enterprise big data to drive insights:** Access data of all types from across the enterprise without writing a

line of code, eliminating the guesswork in how data can be combined before data preparation.

Sensitive Data Risk Management

Automatically detect, tag and secure sensitive data across the enterprise, lowering the cost of regulatory compliance and reducing the risk of financial penalties. Rapidly respond to evolving regulations, such as the EU's Global Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA).

FIGURE 1. USE THE DATAOPS DASHBOARD TO VISUALIZE DATA ASSETS, SENSITIVE DATA EXPOSURE AND CATALOG USAGE.

- **Immediately secure sensitive data:** Automatically identify and secure sensitive data as it flows into or is created within your enterprise or data lake.

- **Automate compliance:** Track metadata required for regulatory compliance, such as intended use, content type and retention period for each dataset, to eliminate violation risk.

- **Close security gaps:** Integrate your existing data security and privacy solutions for access control, masking and encryption.

- **Audit usage and modification:** Gain full traceability for how users tag, curate, comment and search for data within the catalog.

Metadata Management and Data Lineage

While best-in-class crowdsourcing reinforces data recognition accuracy, data lineage, both inferred and imported, informs where datasets came from and how they are used (see Figure 2).

- **Build trust through collaboration:** With comments, collaboration, threaded conversations and ratings, get insights and guidance from your colleagues on how they are using data throughout your enterprise.

- **Search faster with easy navigation:** The catalog's flexible, faceted search helps narrow down searches, including crowdsourced ratings and reviews. Spend less time looking for data and more time analyzing it.
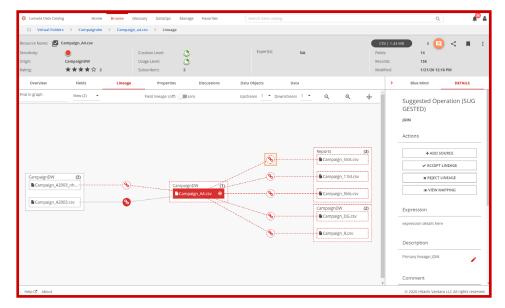
- **Add more insights with data lineage:** The catalog uniquely surfaces hidden lineage from your data, providing users with additional insights to select the best available data for their projects.

Lumada Data Services

Lumada Data Services from Hitachi comprises a set of composable software services that help you manage your increasingly complex data ecosystems with an intelligent data foundation. Its composable web services — for analytics, data flows, cataloging and data lake management — work together through shared metadata supported by intelligent orchestration and policy engines. These services can be deployed in the cloud, in the data center or at the edge, providing an agile data fabric and self-service data access for an enterprise DataOps practice.

FIGURE 2. ACCELERATE INSIGHTS WITH METADATA MANAGEMENT.

We Are Hitachi Vantara Federal

We guide our customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched digital capabilities to their data and applications to drive their mission forward.

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