

Checklist to Simplify Data Management and Analytics With Universal Data Management

CHECKLIST

Universal data management (UDM) provides an end-to-end framework to simplify data management and analytics across disparate storage, data and application silos. This data management architecture works across both structured and unstructured data to efficiently ingest, store, discover, manage, govern, protect and analyze all data throughout its lifecycle, no matter where the data lives.



Scalability and Performance In 2023¹

We will generate nearly three times the volume of data generated in 2019; 3.5 quintillion bytes of data are created daily. But to drive value from all this data, you need to understand it, which means it needs to be available, assessable—and fast.

Address growing data demands with scalable storage capacity and performance.

- ✔ **A Scalable Data Platform to Support All Application Workloads**
Apply a common data management architecture with shared data services across heterogeneous storage assets.
- ✔ **Storage Virtualization to Extend the Life of Existing Data Storage Investments**
Consolidate data silos via storage virtualization to simplify and streamline legacy platforms, without requiring significant hardware upgrades.
- ✔ **A Data Management Architecture That Connects Across the Edge, Core Data Centers and Hybrid Clouds**
Increase data visibility, access and control with a shared single data plane, enabling your data to quickly move between data assets and tiers based on defined data management policies.



Advanced Automation

Managing data efficiently throughout its lifecycle can be time-consuming and risky when data is siloed and manual backend operations are needed to accomplish daily data management tasks.

Manage data efficiently across one data plane with AIOps.

- ✔ **AIOps to Simplify Storage Management Tasks**
Enable faster resource provisioning and reduce manual processes with automated management practices that simplify daily administrative tasks.
- ✔ **Secure Data with Effective Ransomware Protection**
Enhance data security from analytics to archive, as storage repositories can become easy targets for ransomware without solid cyber resiliency and security controls.
- ✔ **A Common Data Analytics Approach for Data Discovery, Profiling and Automation at Scale**
Unify disparate data silos with common data analytic pipelines to unlock data insights faster.



Intelligent Optimization

It's easy to keep collecting and storing data, but it might be time to reassess needs if a percentage of that data is racking up storage costs without being used. Can data be removed or moved to long-term storage for compliance? How can this process be simplified and automated?

Simplify and automate where and when data is stored and how it's governed with intelligent application optimization.

- ✔ **Rapid Profiling and Classification of All Structured and Unstructured Data**
Create an end-to-end view of all enterprise data by integrating IT and OT distributed data sources and using rapid profiling and classification of structured and unstructured data.
- ✔ **Data Availability and Placement Optimization**
Use automation to optimize data availability and placement to lower infrastructure operations costs and deliver-on sustainability goals.
- ✔ **AI/ML-Based Digital Advisors for Data, Content Assets and Process Optimization**
Rely on application data intelligence and utilization patterns to provide insights for more effective operations, tiering for cost, performance and app optimizations.



Take control of data with universal data management to accelerate data-driven business outcomes, drive data management efficiencies and reduce IT costs.

Unlock the Full Potential of Your Data With Hitachi Vantara

Hitachi Vantara delivers an end-to-end framework to simplify data management and analytics across disparate storage, data and application silos. We can help provide better control to efficiently store, manage and discover new insights across all of your data.



[Click here to learn more about how you can centralize, simplify and take control of data with strategies for implementing Universal Data Management.](#)



WE ARE HITACHI VANTARA

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 industrial and digital capabilities to their data and applications to benefit both business and society.

Hitachi Vantara



Corporate Headquarters
2535 Augustine Drive
Santa Clara, CA 95054 USA
hitachivantara.com | community.hitachivantara.com

Contact Information
USA: 1-800-446-0744
Global: 1-858-547-4526
hitachivantara.com/contact

© Hitachi Vantara LLC 2023. All Rights Reserved. HITACHI and Lumada are trademarks or registered trademarks of Hitachi, Ltd. All other trademarks, service marks and company names are properties of their respective owners. HV-CBE-EB-Checklist-to-Simplify-Data-Management-and-Analytics-With-Universal-Data-Management-30Nov23-D