Modern Data Protection Services From Hitachi Vantara

Data Resilience in the Digital Age

OVERVIEW

Business continuity and data resilience are integral in today's dynamic IT environment. You need fast, uninterrupted access to your business applications and mission-critical data. Along with the right data protection strategy, our comprehensive portfolio of services eliminates the risk of data loss, protects your data everywhere it resides and promises fast recovery and agile restoration.

Digital Transformation Powers Business Transformation

Across the globe, today's organizations are investing in new technologies and solutions to advance their digital transformation strategies. In fact, according to 50% of enterprise executives, digital transformation continues to be a top strategic priority.[1] They are driven by factors, such as:

- A mobile workforce that requires new types of connectivity.

- Massive new data streams and increasing storage needs.

- Rising cybersecurity threats and strict compliance regulations.

- Opportunities for increased workload efficiency.

- Flexible IT consumption models.

Exponential data growth throughout all ecosystems also drives the need for digital transformation. For every new file, record or object that is created, many copies are generated. Businesses need backup for operational recovery, remote replication for business continuity and disaster recovery, and archiving for long-term retention due to regulatory compliance. Data loss can lead to lost revenues, privacy violations, lawsuits and other setbacks.

Modern Data Protection Services from Hitachi Vantara help you address these challenges, implement the right data protection strategy and drive new business capabilities.

> "With Hitachi solutions, we know that systems will always be available around the clock. Not only does this enable us to meet tough SLAs and keep customers happy, but it also frees us time so that we can focus more time and energy on developing innovative new digital services.
>
> **Helmut Stark**
> Storage Systems Leader
> DATEV

[1] Source: Forbes Insights and Hitachi, "How to Win at Digital Transformation: Five Steps Successful Digital Transformation Leaders Are Taking" Published: November 2016

A Transition to Modern Data Protection Presents Challenges

Adopting a cloud-enabled data protection strategy is critical to your organization's future. Hitachi Vantara offers an optimal solution that helps you develop a fine-tuned business continuity and disaster recovery strategy that fits your unique business requirements.

Enhanced Operational Efficiencies

Keeping your data safe while maximizing operational performance in your infrastructure is integral. Our modern approach to data protection enhances the efficiency of high-speed storage arrays and dramatically reduces backup windows.

Accurate Data Classification Severity

Our data protection solution helps establish service level agreement (SLA) policies that provide accurate data classification severity. Your organization is equipped to meet different SLAs with various regulatory and audit compliance requirements.

Maximum Return on Investment (ROI)

Our professional services consultants help you leverage experience within your organization to plan, design, deploy and operate a modern data protection solution in a timely manner to ensure maximum ROI in a cloud-enabled infrastructure.

Downtime Is Not an Option

The impact of downtime can be financially devastating. In fact, 98% of large enterprises report that a single hour of downtime per year costs them over $100,000; 81% report that the cost exceeds $300,000; and 3 in 10 enterprises report that hourly downtime costs them $1 million or more per year.[2]

Furthermore, 81% of organizations now require a minimum of 99.99% availability. This is the equivalent of 52 minutes of unplanned outages related to downtime for mission-critical systems and applications: just 4.33 minutes of unplanned monthly outages for servers, applications and networks.[3]

30%

By 2020, 30% of organizations will leverage backup for more than just operational recovery (for example, disaster recovery, test/development, DevOps, and so forth), up from less than 10% at the beginning of 2016.

Source: Gartner, "Magic Quadrant for Data Center Backup and Recovery Software," Published: 08 June 2016. ID: G00280391

[2,3] Source: Information Technology Intelligence Consulting (ITIC), "Hourly Downtime Tops $300K for 81% of Firms: 33% of Enterprises Say Downtime Costs > $1M" Published: 18 May 2017

Your Success Begins With the Right Data Protection Strategy

To stay ahead of your competitors, you need business continuity and uninterrupted access to your data. While large-scale disasters are a leading concern, application failures, outages, software malfunctions, security breaches and human errors are far more likely to interrupt your operations due to poorly planned and designed data protection solutions.

Industry-Best Data Protection Capabilities

A modern approach to data protection includes a scalable copy data management platform that uses business-defined workflows and automates snapshot, clone and replication technologies. Modern Data Protection Services, powered by Hitachi Data Instance Director (HDID), offer a unified approach to data protection that minimizes complexity while providing full coverage.

Eliminate backup windows and reduce recovery point objectives (RPOs) by over 95% and recovery time objectives (RTOs) from days to minutes.

Planning and Design Service

Implementing the right data protection plan begins with a thorough assessment of your IT environment. Our portfolio provides a planning and design service that enables your organization to adopt a business continuity strategy architected and designed for your precise business requirements.

Our professional services consultants develop a plan and design a protection blueprint to satisfy your stringent RPOs and RTOs.

Planning and Design Workshop

Our experts collaborate with your business leadership to capture your data protection requirements. After an audit of your existing storage environment, a workload analysis report is generated to ensure continuous, nondisruptive, host-independent data replication (remote and local) and migration over any distance.

Protect your data with a global operational recovery solution that relies on a minimal number of copies.

Deployment Service

Our professional consultants help you deploy a Hitachi Enterprise Cloud (HEC)-ready copy data management solution, as outlined in the planning and design service. We install and configure HDID software, set up replication policies and integrate your applications to provide business continuity and operational recovery capabilities according to your service level objectives.

Roll out next-generation data protection capabilities across your enterprise to more efficiently manage your storage and host-based data protection environment.

Hitachi Data Instance Director Configuration

HDID orchestrates your business-defined workflows and automates snapshot, clone and replication technologies of core implementation. (See Figure 1.) This includes array-based Hitachi In-System Replication and Hitachi Remote Replication, orchestration of global-active devices and host-based replication. The HDID platform delivers REST API to create automated workflows and custom reporting.

Eliminate risk and uncertainty as you implement a complete data protection solution that includes seamless integration with enterprise applications: VMware, Oracle, SAP HANA, Microsoft Exchange, Microsoft SQL Server and more.

Long-Term Retention and E-Discovery Service

This service provides the ability to index or search data and add custom metadata to better manage the electronic discovery (e-discovery) litigation process and ensure compliance with the General Data Protection Regulation (GDPR). Our professional services consultants create and configure long-term retention policies and dataflows, integrate Hitachi Content Platform, implement role-based access control in a multitiered setup and integrate Hitachi Content Intelligence (HCI) in your environment.

Eliminate tape backup and reduce recovery time from days or weeks to minutes or hours.

Operate and Run Service

Leverage operate and run service for enterprise-class reporting, monitoring and alerting of your data protection environment. This service includes remote monitoring, alerting and reporting of both storage-based (block and file) and host-based modern data protection environments.

Ensure your data is continually available and its integrity is preserved throughout the entire life cycle.

End-to-End Managed Solutions

We offer remote management of data protection policies that are established during your deployment service engagements, as well as reporting, monitoring and alerting on replication, backup, archiving, restore, recovery and chargeback. With our incident and problem management, we fully manage root cause analysis and remediation. Change and release management includes integration into your change management (CM) process for all changes and capacity management.

Dramatically improve your incident management process with our end-to-end managed solutions.

The Value of Modern Data Protection Services

Our portfolio of services eliminates the need for specialized skills and expertise, as well as complex, long-term efforts to build an in-house customized solution. Automation enables predictability and faster time-to-value throughout the entire data protection process. In a fully managed environment, you optimize the use of hardware infrastructure (storage and compute), minimizing management burden while complying with stringent RPO and RTO requirements.

Drive operational cost reduction, improve efficiencies, eliminate downtime and optimize service levels and performance.
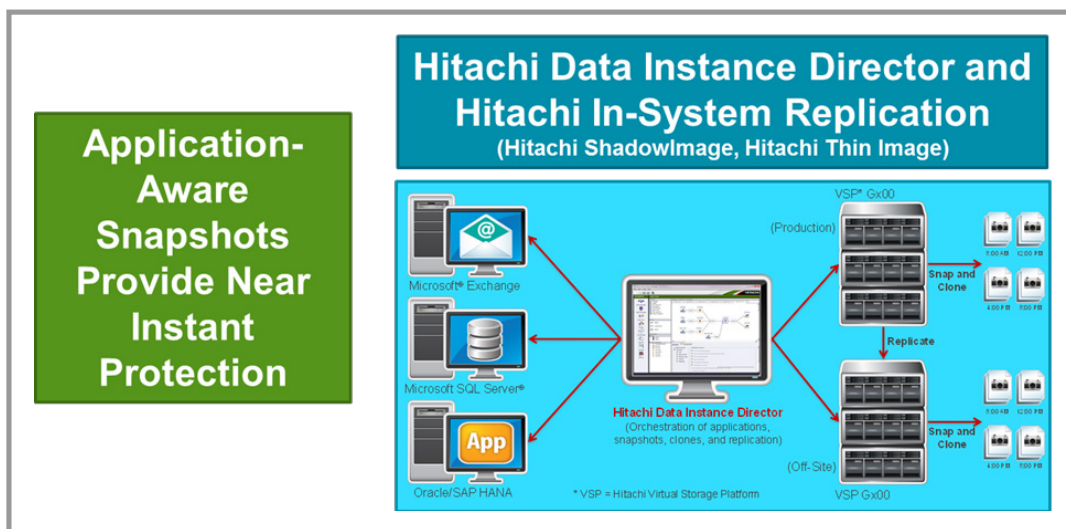

Figure 1. Hitachi Data Instance Director is configured to orchestrate your business-defined workflows and automate snapshot, clone and replication technologies.

Why Partner With Hitachi Vantara?

When you partner with us, you benefit from:

- Hitachi expertise: over 20 years of technical leadership.
- Operational excellence in delivering on SLA-based business outcomes.
- Commercial flexibility that aligns to changing business environments.
- Joining a winning team. Hitachi serves over one-fourth of the Fortune Global 100.

Take the Next Step

At Hitachi Vantara, we are with you every step of the way. We're focused on providing the solutions and support that your organization needs to achieve digital transformation goals and spend more time and energy growing your business. Take the next step today, and learn how Modern Data Protection Services can reduce or eliminate:

- Tier 1 storage needs by 40% via automated tiering and archiving.
- Backup storage by 90%.
- Risk of new data loss by 95%.
- Administrative costs.
- Downtime during backup and recovery procedures.

Our global experts are ready to help you navigate digital transformation by implementing a modern, business-defined approach to data protection. To learn more about our portfolio of Modern Data Protection Services, visit HitachiVantara.com.

Hitachi Vantara at a Glance
Your data is the key to new revenue, better customer experiences and lower costs. With technology and expertise, Hitachi Vantara drives data to meaningful outcomes.

Hitachi Vantara

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