



TRANSFORM VIRTUALIZATION ECONOMICS DISCOVER INNOVATION
TRUSTED INFORMATION GLOBAL CHANGE INTELLIGENT TECHNOLOGY
VALUE INSIGHT OPPORTUNITY SOCIAL INFRASTRUCTURE INTEGRATION

USE CASE

State Government Transforms Traditional IT Into Service-Driven Private Cloud

Challenges

- All state agencies had their own siloed systems for digital records.
- Aging Microsoft® Windows Server® operating systems at remote office locations.
- Classic issues of backup and storage sprawl.

Solution

- Deploy Hitachi Content Platform in the data center as a replication target for current HCP customers.
- Get to production quicker with integrated and supported HDS software products.
- Partner with Hitachi Data Systems to expand service offerings quickly and easily.
- Make the most of HCP capabilities.
- Provide enterprise-level capabilities.

Benefits

- Scale and sustainability.
- Openness and flexibility.
- Small footprint and stay green.
- A single service provider for all state agencies.

Partnership With Hitachi Creates a Private Cloud for Workforce and Data Mobility

Introduction

The State Office of Information Technology faced classic issues of technology silos for many of their digital records systems, which spanned tax records, email, Microsoft SharePoint®, voice and video recordings, Oracle and Microsoft SQL Server® logs, user data and more. The variety of applications in use, the rapid growth of data being generated and the distributed nature of state government operations, meant significant storage sprawl in their existing Windows Server environments. It also meant difficult challenges with backup and recovery of data across all the different departments, services and geographically dispersed offices. With flat technology and staffing budgets as well as the need to operate 24/7/365, they needed to transition to a more elegant solution with as little disruption as possible. Enter the Hitachi Content Platform (HCP) portfolio.

Challenge: Consolidate Storage and Backup and Enable Content Mobility

The Office of Information Technology operated with a variety of different departments and services spread across hundreds of different sites with unique application, storage and staffing needs. They recognized that their traditional approach of treating each as an island of IT resources was nearing the limits of manageability and cost. Backup processes were inconsistent and not always reliable. Storage growth was difficult to plan and support. Risks of compliance and governance failures loomed. On top of it all, new technologies, such as collection, storage, preservation and analysis of police car dashboard cameras were about to make matters even more difficult. They needed a solution that could easily scale to support data growth and that would be sustainable over time.

USE CASE

While there was a strong desire to move away from their traditional approach to file services, the state needed to support 24/7/365 operations with limited IT staff. Services and sites could not be shut down for an IT resource overhaul. Taxes had to be collected and tracked. Police stations needed access to their data. Government offices had to provide public services. The solution would have to be open to new applications and flexible to accommodate changes in hardware and software.

The flat budgets meant they could not hire more staff to help manage their growing number of IT islands scattered across the state. They also could not physically expand each government office to provide sufficient floor space or suffer the costs of providing power, cooling and staff at each site. They needed a high-functionality, small-footprint solution for each location that could be planned, managed and protected by a common set of resources within their data centers. This approach would enable the Office of Information Technology to act as a single service provider for all state agencies.

Solution: Partner With Hitachi Data Systems

By deploying the Hitachi Content Platform portfolio, the Office of Information Technology changed the way they deliver file services. The HCP portfolio amplifies the power of content mobility in a private cloud-based model, where file services are an extension of data center resources. At the core of their private cloud is Hitachi Content Platform, with built-in data protection, massive scalability, automated management, cloud and traditional storage protocols, multitenancy, best-in-class compliance and security capabilities, and highly efficient storage.

These HCPs are connected to remote and branch offices via one or more Hitachi Data Ingestor (HDI) systems that act as the

elastic-scale, backup-free cloud storage gateway. With HDI, which is essentially a caching device that makes use of a common pool of storage in HCP, the Office of Information Technology eliminated the need to plan and scale storage at individual sites. They simply extend resources and IT skills from the data center. Because HDI presents standard file server protocols to users and applications, there is no need to rewrite applications or retrain users. Built-in NAS migration tools made it simple to transition from traditional NAS to private cloud without disruption.

With Hitachi Content Platform Anywhere (HCP Anywhere), they extended their data center resources. They reached not just remote and branch offices, but all the way to tens of thousands of individual users and their mobile devices with file sync and share capabilities. HCP Anywhere mobilizes government data in a secure, simple and smart manner so that first responders have access to critical information in times of emergency; sensitive and regulated data can be handled in a compliant manner and their remote and mobile workers can be productive anywhere, at any time, on any device.

Benefits: Retain Customer Loyalty With Expanded Services

A partnership with HDS helped the state Office of Information Technology transform into a service provider for all state agencies with:

- Scale and sustainability that requires far less investment in technology and staff.
- Openness and flexibility that makes them more agile and able to adapt over time.
- A smaller footprint that simplifies managing hundreds of different offices.
- The tools, self-service capabilities and reporting to become the single service provider for all government agencies in the state.

HITACHI CONTENT PLATFORM PORTFOLIO FEATURES AND BENEFITS

- Enables transformations from traditional IT to cloud services with minimal disruption.
- Enhances content mobility and prevents unauthorized access to data.
- Centrally manages hundreds of remote sites and thousands of user devices.
- Provides massive scalability; supports a wide range of simultaneous workloads.
- Reduces backup requirements with built-in data protection.
- Supports compliance with data retention policies and content preservation.

The Hitachi Content Platform portfolio simplified the transformation from traditional IT to a service-driven model for delivering file services. The integration of private cloud storage and cloud gateways for file serving as well as file synchronization and sharing from a single vendor reduced the complexity. It also reduced the costs and risk of trying to use do-it-yourself and open source approaches to solving the file serving challenges of an increasingly distributed organization and their mobile workforce.

Conclusion

By partnering with Hitachi Data Systems, this state government was able to adopt a more open and flexible architecture that brings greater agility to address changes in technology, regulations and user behavior. They have been able to right-size the IT footprint and transform into a service provider that serves all government agencies in the state. This approach makes data more secure, brings consistency and reliability to data protection, simplifies planning and makes more efficient use of IT staff and resources. It makes mobile workers more productive and saves power, cooling and floor space costs.

Hitachi Data Systems

Corporate Headquarters
2845 Lafayette Street
Santa Clara, CA 95050-2639 USA
www.HDS.com community.HDS.com

Regional Contact Information
Americas: +1 408 970 1000 or info@hds.com
Europe, Middle East and Africa: +44 (0) 1753 618000 or info.emea@hds.com
Asia Pacific: +852 3189 7900 or hds.marketing.apac@hds.com

