

**ESG Lab  
Validation  
Report  
Summary**

**Hitachi Data Systems Content Platform Portfolio**

**Integrated, Secure, and Agile Content Mobility**

Hitachi Content Platform is a comprehensive hybrid cloud solution spanning small, medium, and enterprise organizations. The portfolio includes Hitachi Content Platform (HCP), a massively scalable object storage system designed for secure private and hybrid cloud storage, content distribution, backup free archiving, and compliance; HCP Anywhere, a solution for file synchronization and sharing; and Hitachi Data Ingestor remote server (HDI), a bottomless and backup-free on-ramp for remote locations and cloud customers.

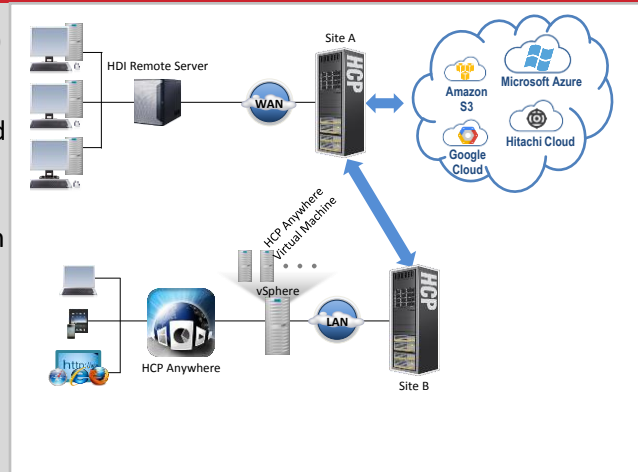
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**Hitachi Data Systems Content Platform Portfolio**

The centralized core infrastructure is the massively scalable, multi-tiered, multi-tenant HCP. This object store can be divided into thousands of virtual content platforms: Tenants and underlying namespaces have configurable attributes to deliver varying service levels for different users and applications (or, in the case of a cloud service provider, different organizations). Network File System (NFS), Common Internet File System (CIFS), and Representational State Transfer (REST) protocols are supported, as well as Active Directory authentication.

HCP Anywhere is engineered to be a secure, compliant solution for file sharing and content distribution designed to improve end-user productivity while maintaining corporate control of data. HCP Anywhere leverages internal corporate resources that are managed and protected by IT.

Hitachi Data Ingestor remote server acts as a bottomless and backup-free file services on-ramp. HDI is designed for remote locations with little or no IT presence. The standards-based file interface requires no recoding or application usage changes; storage is accessed using standard NFS or SMB protocols. HDI is essentially a cache that provides seemingly endless storage capacity and advanced centralized storage management and protection.



**Why This Matters**

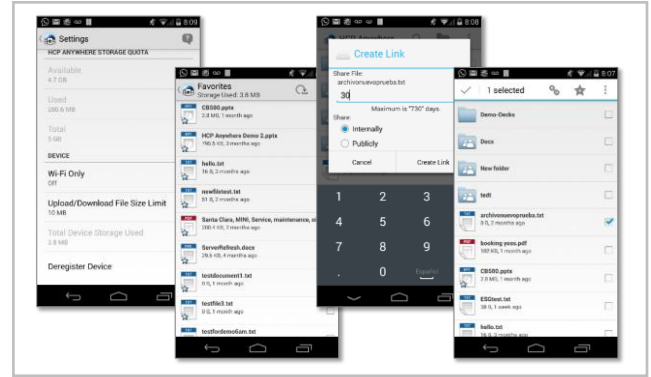
As the size and number of files that need to be kept online continue to grow, capital equipment and operating budgets are being stretched to their limits. Scaling capacity at remote offices can lead to lost productivity, and, in some cases, lost revenue as legacy storage systems are filled to capacity, becoming increasingly difficult to back up. Installing, configuring, and managing traditional NAS systems can be complex and time consuming, especially when many remote offices and smaller customers lack dedicated IT staff. Ease of use is especially important for a corporate on-premises file sharing solution intended to replace the free OFS solutions; otherwise, employees may continue to use public OFS applications unless strictly prohibited.

ESG Lab has confirmed that HCP with HDI offers effectively unlimited, backup-free file and content storage for distributed users that protects all file and unstructured content in the data center, while providing local file system performance to users. The platform offers native file system access to a hugely scalable distributed object store with advanced capabilities. Using easy-to-follow configuration wizards, ESG Lab was able to configure multiple HDI systems at once, demonstrating the ability of Hitachi Content Platform to ease the administrative burden. From the user perspective, the similar look and feel among all platforms makes it easy to access and share files regardless of location, without using portable drives or filling up mailbox quotas with attachments.

## ESG Lab Validation Highlights

ESG Lab performed hands-on evaluation and testing of the Hitachi Content Platform portfolio at a Hitachi Data Systems facility in Santa Clara, California. The following is a summary of the results:

- ESG Lab confirmed that HCP with HDI offers effectively unlimited, backup-free file and content storage while providing local file system performance to users. Active/active replication enables the creation of a global access topology, providing content synchronization across an entire enterprise.
- ESG Lab was extremely impressed with the ability of HCP to provide mobility between private and public clouds using adaptive cloud tiering without compromising enterprise control.
- ESG Lab validated that the HCP Anywhere solution was easy to deploy for administrators and easy to use. Setting up user accounts was simple and fast, while the dashboard view provided clear monitoring.
- The redundant nodes in the HCP Anywhere pod and robust HCP back-end ensure a rock-solid foundation for file sharing.
- Security was robust, using integration with Active Directory, virus scanning, and other corporate security initiatives.
- The similar look and feel among all platforms (computer/mobile device/web) makes it easy for users to access and share files regardless of location, without using portable drives or filling up mailbox quotas with attachments. The HCP Anywhere



personal folder is quickly accessible on all devices, which simplifies and speeds file sharing.

- ESG Lab was able to quickly and easily create a provisioning template and configure multiple HDI remote server systems at once to provide file services to small business clients or remote office users.

## Issues to Consider

The results and data presented in this document are based on testing executed in a controlled lab environment. Due to the many variables in each production environment, it is still important to perform testing in your own environment to validate the applicability of the solution to your needs.

## The Bigger Truth

Cloud implementations have gained significant ground in corporate IT departments and with service providers in recent years—the cost and business-process benefits are compelling. Cloud-based applications and infrastructure can make an organization more agile and responsive to market conditions and their users. But for many, getting started in the cloud is a challenge. At the same time, public OFS solutions are extremely popular, and for good reasons: They are inexpensive, simple to use, and provide a valuable service. However, they can also present challenges to organizations tasked with providing access to and protecting confidential data.

Hitachi Content Platform creates an integrated offering that provides distributed consumers of IT, such as remote office workers, branch office workers, or cloud storage users, with a seamlessly scalable, backup-free storage solution. HDI and HDI remote server serve as easy cloud entry at the edge, caching active data for rapid access, while all data is stored, protected, retained, and governed centrally on HCP. With HCP Anywhere, HDS takes advantage of its own proven, rock-solid object storage platform to provide an on-premises file sharing solution that makes users more productive without jeopardizing data. Remote office and cloud consumers obtain data services equal to or better than public OFS services, while cloud providers and IT departments can consolidate service delivery and data management.

Over the years, Hitachi Data Systems has proven it has an innovative approach to solving IT challenges, and the Content Platform portfolio consisting of HCP, HCP Anywhere, HDI, and HDI remote server proves the point yet again. The combined solution is secure, efficient, and easy for IT and users to operate; it delivers on all the critical requirements for online file sharing and enterprise content management. For both corporate IT organizations and cloud service providers, this solution can ease the pain of massive unstructured data growth while delivering an easy entry to a cloud deployment.

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