SOLUTION PROFILE

Secure Enterprise File Services from Edge to Cloud with HCP Anywhere Enterprise

Fast, Simple, Massively Scalable Enterprise Cloud Solution

Enabling Cloud Transformation for the Enterprise

Companies move their file storage to the cloud to save money. In some cases, this makes for slow file access. Retrieving the data later can also be very costly.

Modernizing corporate file services, especially for widely distributed organizations, is a priority for companies looking to embark on digital transformation initiatives. However, while modern cloud services can enable more significant levels of employee productivity and TCO reduction, they also pose essential data security and residency risks and performance and availability challenges.

Hitachi Content Platform Anywhere Enterprise (HCP Anywhere Enterprise) enables organizations to deploy modern content collaboration and data protection solutions that offer no compromise on security or performance. It offers you flexibility over their deployments while ensuring the highest data privacy and encryption levels. HCP Anywhere Enterprise mitigates performance challenges, and smart caching edge devices accelerate access to a global namespace for any office or roaming user.

HCP Anywhere Enterprise works with the Hitachi Content Platform (HCP) object storage software that connects data producers, users, applications and devices into a central cloud storage platform. It enables users to better understand, govern and control the degree of mobility of their data, as well as to identify insights and extract value for data-driven decisions and faster time to market.

A Platform-Centric Approach to File Services

This platform-centric approach to cloud file services provides unique capabilities in managing distributed infrastructure, provisioning resources, automating controls, and aggregating several applications into a standard services framework.

HCP Anywhere Enterprise allows customers to implement a new plug-and-play cloud-based object storage system with S3-compatible storage for a fraction of the cost of competitors.

Solution Benefits

HCP Anywhere Enterprise	Hitachi Content Platform
• Distributed office storage with local caching and cloud tiering of least recently accessed data • Smart Caching allows seamless archiving • Secure endpoint file collaboration and data protection tools • Files, data, metadata, and authentication maintained entirely behind the firewall • Seamless migration from legacy NAS systems with complete folder structure and permissions preservation • Transparent cloud disaster recovery • Cross-site file sharing and collaboration • Cloud Storage Routing enables smart storage bucket usage based on compliance or performance.	• Regulatory compliance, governance • Robust security and data privacy • Exceptional data protection, cyber resiliency, and ransomware recovery • 15 nines of data durability • 10 nines of accessibility Deploy on commodity hardware • S3 compliant front-end and back-end • Blend and transform data with lambda-based operations • 3TB/minute ingest on-premises; background replication to the public cloud • Mirror on-premises capacity in the public cloud for disaster recovery • Efficient storage with compression, dedupe, and erasure coding

With automation, multi-tenancy, security, and the broadest portfolio of cloud-enabled file services, HCP Anywhere Enterprise and HCP facilitate highly cost-effective, centrally-managed services that address several IT initiatives, including:

Secure Content Collaboration

The HCP Anywhere Enterprise provides a Global File System that extends the capabilities of traditional NAS by enabling a centralized cloud storage backend powered by HCP.

HCP Anywhere Enterprise endpoint clients securely connect users' desktops to the cloud from any PC, mobile device, or VDI client. The solution offers end-to-end encryption and data resiliency. With the endpoint client, users can collaborate on team workspaces, sync data, protect against ransomware, and enjoy cached access to the global namespace.

Office Storage Modernization

HCP Anywhere Enterprise provides fast local file access enabled using caching physical or virtual edge filers. Users everywhere have access to the same file shares via their Windows, Mac, or mobile devices.

HCP Anywhere Enterprise enables LAN-speed access to cloud storage using caching, sync, and backup with seamless disaster recovery. Centrally managed filers are cost-effective appliances that can scale across 1,000s of locations and replace legacy file servers, backup systems, replications tools, off-site services, and dispersed silos of information.
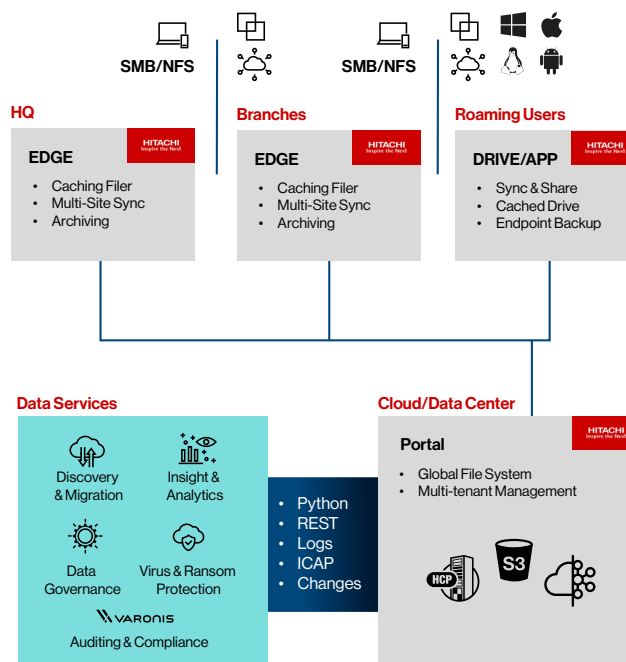
Data Center Storage Modernization

HCP securely and cost-effectively stores, protects, preserves, and analyzes data. Beyond its efficiency, ease of use, and ability to store data at massive scale, HCP automates day-to-day IT operations like data governance and protection and readily evolves to changes in scale, scope, regulatory compliance, applications, storage, server and cloud technologies over the life of data. HCP also automates the governance of data to ensure proper retention, access control, encryption and disposal of data, while simplifying e-discovery and search.

Cloud Data Protection

HCP Anywhere Enterprise provides secure and cost-effective endpoint backup and recovery of Windows, Mac, and Linux workstations and laptops. Backups can be performed as direct-to-cloud or in a hybrid mode via the edge filers. HCP provides immutable, encrypted, self-healing storage ensuring backup data cannot be tampered with and will be recoverable should ransomware or other cyberattacks get through your outer defenses. The combined solution enables multiple backup use cases to avoid the complexity and cost of traditional IT backup.

Solution Diagram

Hitachi Vantara
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