

Hitachi Content Platform and Seven10 StorFirst Apollo

StorFirst Apollo from Seven10 Storage Software provides local replication to tape for Hitachi Content Platform. Local replication to tape augments the replication capabilities of Hitachi Content Platform with additional flexibility for disaster recovery and offline vaulting to a remote site.



Flexible, Local Replication to Tape

Hitachi Content Platform: Top Replication Capabilities

Hitachi Content Platform is a virtualized distributed object store with advanced storage and data management capabilities. Content Platform employs key technologies, such as data integrity checking, encryption, “write once, read many” (WORM), audit logging, replication and more, to ensure that data remains accessible and in its original form for years. The system can store multiple copies of objects, based on administrator-defined policies, to ensure availability and the ability to recover from failure.

The replication service on the Hitachi Content Platform keeps selected tenants and namespaces in sync. The content verification service works with the replication service to repair objects from the replica in the event that they cannot be repaired locally. Links between replicated Content Platforms rely on SSL to ensure the integrity and security of transmitted data. Additionally, Content Platform supports

multiple topologies for replication, including single-direction, bi-directional, many-to-one and chained. All of the replication features combine to provide a flexible, highly available system that is protected for disaster recovery.

Greater Replication Needs? Choose the Joint Solution from Hitachi Data Systems and Seven10

For organizations with requirements that are not met by the replication features of Hitachi Content Platform, Hitachi Data Systems has

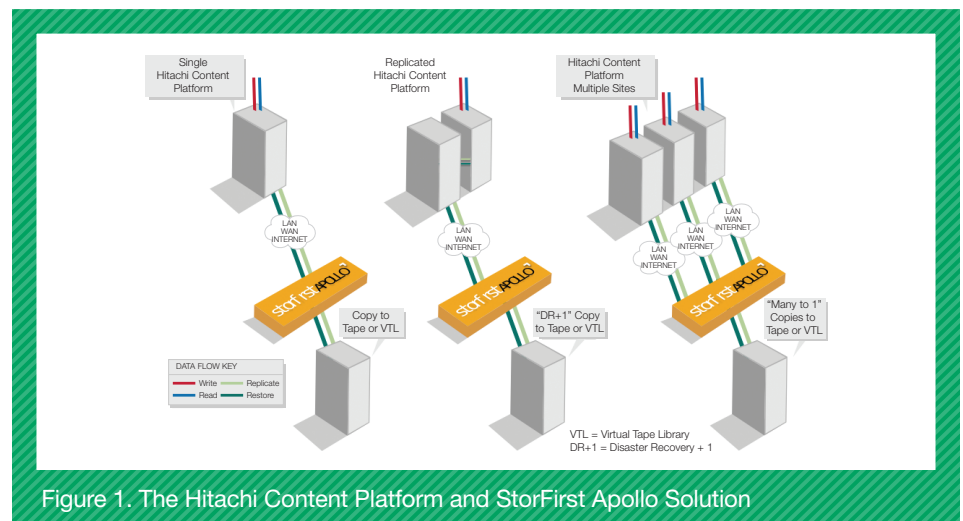


Figure 1. The Hitachi Content Platform and StorFirst Apollo Solution

partnered with Seven10 Storage Software on StorFirst Apollo. StorFirst Apollo is a software solution that provides local replication to physical tape resources and virtual tape library (VTL) and is fully integrated with Hitachi Content Platform.

StorFirst Apollo provides multiple topologies for local replication, including replication from a single or multiple Hitachi Content Platforms. For environments that are already replicating between Content Platforms but still require an additional copy of the data for offline vaulting, StorFirst Apollo supports disaster recovery +1 (DR+1).

StorFirst Apollo provides local replication of an entire system or selected namespaces. The integration is based on HTTP and provides high-performance replication and restore. Local replication can be configured to protect a single system, multiple systems, or selected tenants and namespaces. Restore can be performed at the object, namespace or system level. Additionally, tenants and namespaces can be grouped into logical pools for applying protection policies.

StorFirst Apollo has been tested and certified with major tape and virtual tape vendors and supports Fibre Channel, iSCSI and SCSI connections to tape and virtual tape libraries. Environments that have an existing tape library or VTL can create a partition for StorFirst Apollo.

Virtual or physical servers with Microsoft Windows 2003 or 2008 can be used to host StorFirst Apollo. A single StorFirst Apollo installation can support local replication from multiple Hitachi Content Platforms over LAN or WAN connections.

StorFirst Apollo System Requirements

- Dedicated Windows 2003 or 2008 Server (VMware vSphere 4 and ESXi are supported)

SOLUTION FEATURES

- **Local replication to tape or VTL for the Hitachi Content Platform:** This supports environments that have needs not addressed by built-in replication and require offline vaulting of physical media.
- **Native integration with the Hitachi Content Platform:** StorFirst Apollo uses HTTP to provide high-speed replication and restore from tape and VTL.
- **Support for major tape and VTL vendors:** Most libraries are already supported with new libraries added as required.
- **Leverage existing infrastructure:** Current tape or VTL can be partitioned for use with StorFirst Apollo.
- **Manage local replication for multiple Hitachi Content Platforms:** Replicate from multiple Content Platforms to a single StorFirst Apollo server.
- **Policy-based protection:** Replicate an entire Content Platform or selected tenants and namespaces. Replication can be scheduled to run during specific times.
- **Logically group replication sources:** Tenants and namespaces can be grouped into logical pools for the application of replication policies.
- **Flexible deployment options:** StorFirst Apollo can be deployed on physical hardware or in a virtual machine and supports Fibre Channel, iSCSI and SCSI connections to tape and VTL.
- **Physical separation of data:** Tenants and namespaces can be written to separate tapes to help manage data security.

- Windows Server 2003 R2/Enterprise/Standard/SP1
- Windows Server 2008 Enterprise/Standard/SP2
- 2GHz processor or higher
- 2GB RAM (3GB RAM recommended)
- Minimum 2GB free disk space for installation directory
- Minimum 1Gb/sec Network Card
- Host bus adapter (HBA) recommended tape or VTL vendor
- Hitachi Content Platform version 4.0.1 or later

About Hitachi Content Platform: This robust “active archive” enables effective long-term, fixed content data preservation. Designed to seamlessly integrate into an

existing enterprise storage infrastructure, this high-performance, highly available and highly scalable archiving solution satisfies an organization’s regulatory compliance requirements by ensuring the secure, long-term preservation and fast search and retrieval of valuable business records.

About StorFirst Apollo: StorFirst products deliver enterprise archive and data protection software that helps organizations store data intelligently and securely. With proven success in healthcare, finance and compliance-driven markets, and an install base that includes many of today’s FORTUNE 500® companies, Seven10 is fast becoming one of the most trusted names in storage.



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