PoINT Storage Manager
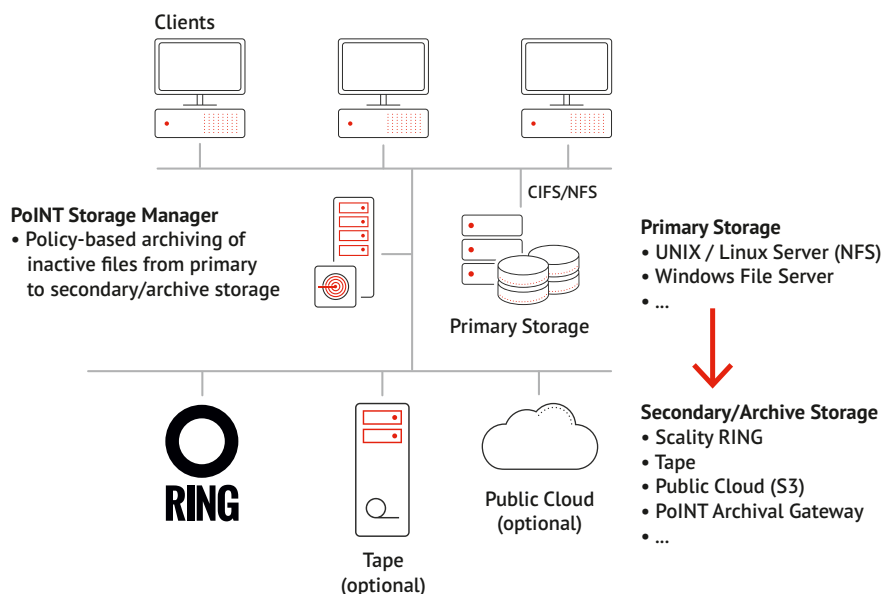## Tiering and Archiving for Scality RING

PoINT Software & Systems and Scality provide a comprehensive approach to unstructured data migration and archiving. PoINT Storage Manager provides automatic tiering from primary storage to Scality RING for archiving purposes within an existing infrastructure, without the need for costly changes and adaptations.

FILE TIERING AND ARCHIVING TO SCALITY RING

Most primary storage systems are overloaded with unstructured data that is inactive or needs to be archived. Very often this data has not been accessed for several months. Inactive data can lead to a situation where backup windows cannot be met. Additionally, primary storage does not provide mechanisms to protect data against modifications and deletion. Therefore, expensive primary storage is not the right system for storing data that is inactive or needs to be archived. On the other hand, users and applications expect seamless access to all data.

PoINT Storage Manager and Scality RING help solve this problem by performing policy-based file archiving from primary storage systems to Scality RING, with transparent access to all data.

Clients

PoINT Storage Manager
- Policy-based archiving of inactive files from primary to secondary/archive storage

CIFS/NFS

Primary Storage

Primary Storage
- UNIX / Linux Server (NFS)
- Windows File Server
- ...

Secondary/Archive Storage
- Scality RING
- Tape
- Public Cloud (S3)
- PoINT Archival Gateway
- ...

RING

Tape (optional)

Public Cloud (optional)

The integration of Scality RING in PoINT Storage Manager is based on HTTP, which provides the best performance and high reliability.

SEAMLESS MIGRATION

PoINT Storage Manager integrates Scality RING into a tiered storage architecture and provides the basis for seamless migration. This scenario allows uninterrupted operation of applications and users during the migration. No reconfiguration is necessary.
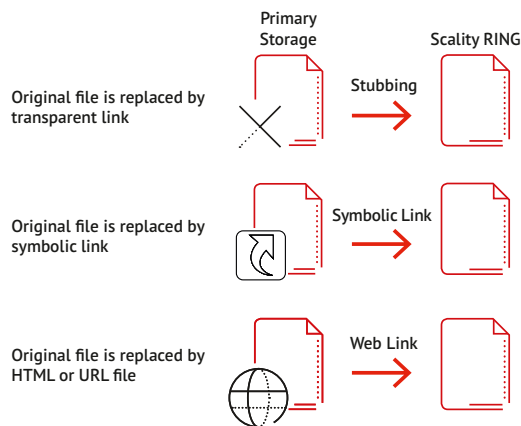
Benefits

- Policy-based file tiering and archiving to Scality RING
- HTTP integration with Scality RING
- Transparent access by stubbing
- Data Mover Mode
- Archive browser
- Seamless migration

Features

- Efficient use of primary storage
- Reduced risk of litigation by archiving
- Reduced capital expenses
- Ease of use and administration
- Cost and time savings from reduced backup volume

Tiering and Archiving Methods

PoINT Storage Manager, in combination with Scality RING, supports multiple tiering and archiving methods. This includes copying files (Copy Mode), moving files (Data Mover Mode), as well as stubbing and linking files (HSM Mode).

Primary Storage   Scality RING

Original file is replaced by transparent link — Stubbing

Original file is replaced by symbolic link — Symbolic Link

Original file is replaced by HTML or URL file — Web Link

Versioning and Retention Management

Once archived, files can be read, but they cannot be edited any more. If they are changed, a new version is created and the original file is kept in its original condition on Scality RING. The integrated retention management lets customers specify a retention period for archived files stored on Scality RING. During this period, files cannot be deleted from the archive. If a file needs to be deleted before the retention period expires, e.g. in order to meet legal requirements, a so-called privileged deletion option is available, whose execution is logged.

Archive Volumes

While archiving files, PoINT Storage Manager collects files that meet the defined ruleset and generates so-called Archive Volumes, which are based on a standardized, platform-independent format (Universal Disc Format). Working with Archive Volumes improves performance and accelerate later future migrations. Reading files from Archive Volumes occurs transparently on byte-range level without requesting entire volume. Optionally Archive Volumes can be encrypted.

About Scality

Scality builds a market leading software-defined file and object platform designed for on-premise, hybrid and multicloud environments. We give customers the freedom and control necessary to compete in a data driven economy. Scality is recognized as a leader by Gartner and IDC.

About PoINT

PoINT Software & Systems GmbH is specialized in the development and distribution of software products for storage, management and archiving of data. Our data & storage management solutions offer an easy and efficient integration of different storage technologies and systems in consideration of enterprise requirements. PoINT products allow optimized usage of storage systems and help to reduce costs and issues caused by data growth. The software solutions fulfil compliance and archiving requirements and provide independence from storage technologies and vendors.

Technical Information for PoINT Storage Manager

Source Systems

- NAS (CIFS / NFS)
- Dell EMC (VNX / Unity / Isilon)
- NetApp (FAS Series)
- Windows Server
- UNIX / Linux Server (NFS)

System Requirements

Windows Server 2016, 2019 (VMware supported)