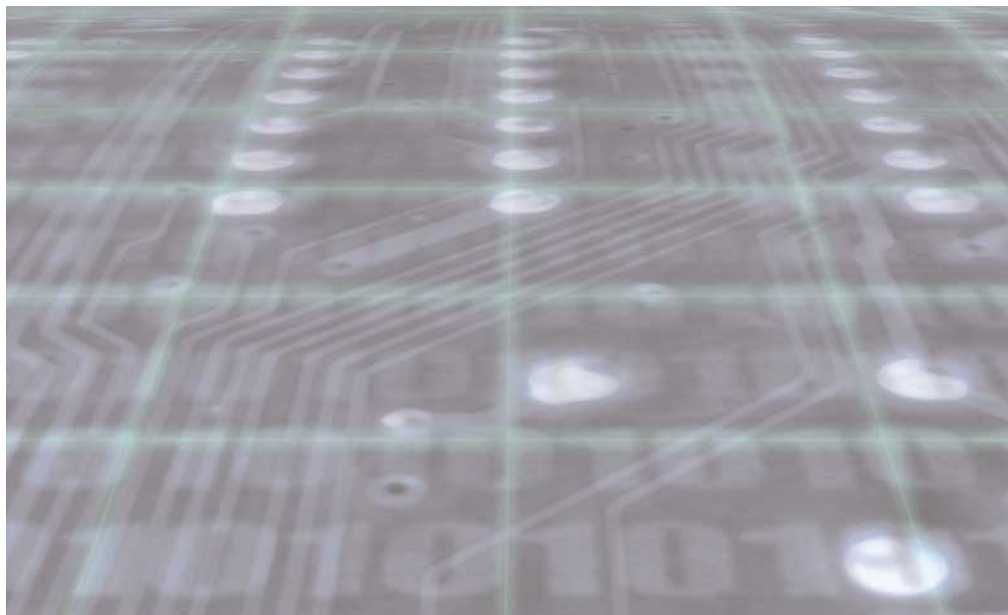


EMC Centera Seek and EMC Centera Chargeback Reporter



Enhanced search functionality and chargeback reporting for active archives mean simple categorization, retrieval, and tracking of archive data

EMC® Centera™ Seek is a high-performance index and search engine that enables fast, efficient retrieval of archived data. Centera Seek simplifies projects that require categorizing your data by leveraging intrinsic storage-layer metadata to provide the most efficient user experience and ensure that archives are searchable as they scale for the long term.

EMC Centera Chargeback Reporter is a layered software module used in conjunction with Centera Seek allowing assignment, management, and identification of customized categories of archived data based on metadata values stored in Centera.

The Big Picture

EMC Centera Seek:

- Improves active-archive access: High-performance, programmable best-in-class search capability for archived data
- Unique capability for metadata-based Centera archives, leveraging the FAST InStream index and query engine with configurable access

EMC Centera Chargeback Reporter:

- Effectively utilize Centera archive assets and intelligently plan for future archive capacity requirements
 - Design and manage chargeback entities into hierarchical relationships for reporting and analysis of archive utilization
 - Automate enterprise chargeback reporting and billing systems by using Centera Chargeback Reporter's automated scheduled exports capability
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Business challenges

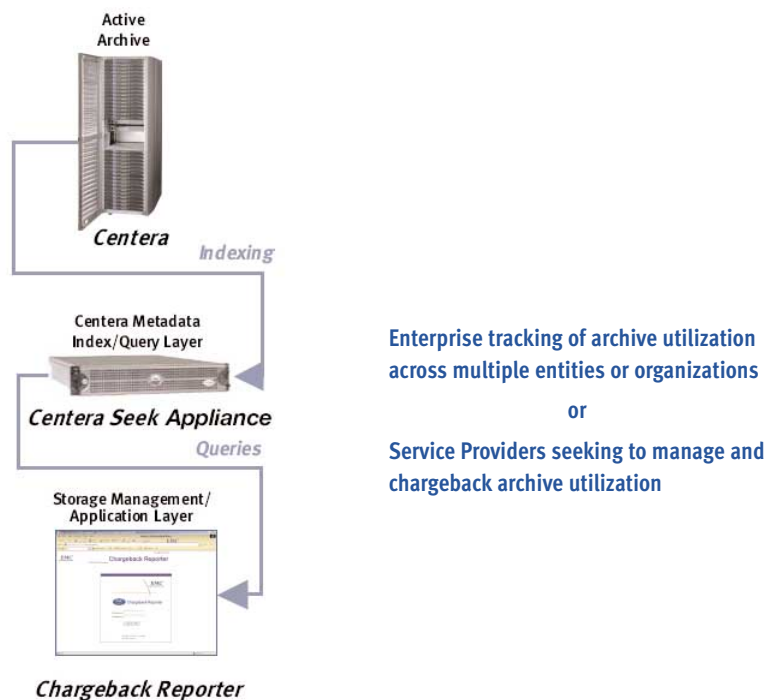
As archives continue to grow, the need for accurate search-and-reporting functionality will grow exponentially. Archives are maintained for long periods of time and need to be accessible at any time for any discovery request. The ability to quickly and efficiently search, retrieve, and report on categorized data contained within archives is key for scalability and manageability.

Centera's metadata extends the life of data in archive by making it easier to understand dated or older content without the need to understand how to open and read it. Ultimately, this reduces the cost and complexity of performing common data isolation projects, such as:

- Responding to a regulatory inquiry
- Migration of older fixed content to newer applications
- Escrowing data owned by a part of the company that has recently been sold

Utilizing this archived metadata, businesses can better manage and create value from an ever-growing archived data store.

With integrated storage-layer metadata users can derive application benefits from content-specific search criteria available in Centera and more efficiently retrieve archive data that match those criteria.



Making archiving simple for storage administrators

With Centera Seek, users can now leverage the metadata intrinsic to the data archived to the Centera platform regardless of format, location, or application type. The Centera archive becomes a unified enterprise-wide asset, and enables fast access, guaranteed authenticity of data retrieval, and exploration and exploitation of the entire archive based on any search criteria at any given time.

Storage administrators (SAs) need to track and publish capacity information on archive utilization. The SA's existing corporate chargeback system will require usage data in order to properly allocate costs among different departments, applications, or other cost center entities. In order to fulfill this periodic and often manual reporting requirement, Centera Chargeback Reporter offers detailed capacity utilization information for use in any corporate chargeback system.

Technology enabling innovation: advanced search/index/query

Effective search engines use regularly updated indexes to operate quickly and efficiently. Centera Seek's underlying index and query engine is the InStream product from FAST Search and Transfer. Centera stores metadata on every object sent to Centera and new metadata can be written by applications or by storage administrators, further increasing the power of maintaining data in the Centera archive. Combined with a high-performance query engine, this infinitely scalable solution returns results of queries in XML, making them easy to segment and use with any application and for any discovery request.

This enhanced search functionality enables ease-of-tracking and reporting available with Centera Chargeback Reporter which offers secure reporting by application profiles that have query access. Chargeback Reporter provides customizable reports that can be run on a scheduled basis and automatically exported to XML or CSV files, further automating the workflow and archive discovery process connected to existing billing and enterprise-wide chargeback tracking systems.

| Business Challenge | |
|--|---|
| <p align="center">Increase value of enterprise archives by leveraging XML metadata in Centera through query services</p> | |
| Business Needs | |
| <ul style="list-style-type: none"> • Categorizing archived data • Reporting chargebacks | <ul style="list-style-type: none"> • Managing multi-application archives • Archive data isolation projects |
| Solution Requirements | |
| <ul style="list-style-type: none"> • Advanced index/query engine • Powerful out-of-the-box indexing | <ul style="list-style-type: none"> • Simple, scheduled reports • Can integrate to billing process |
| Centera Seek | and Chargeback Reporter |
| <ul style="list-style-type: none"> • Powerful default index configuration • XML-aware index, identifies tags, attributes/values, and element text • Scalable architecture • Search technology from FAST Search and Transfer™ | <ul style="list-style-type: none"> • Simple Web UI • Create capacity categories with up to three levels of roll-up • Report scheduler for automated runs • Export reports in XML and CSV formats • Drag-and-drop report creation |

Speed the discovery process and increase the value of archive information

Centera Seek increases accessibility of information within the Centera archive more efficiently with an advanced search engine. This highly configurable software indexer and query tool enables partner applications and storage administrators to develop solutions that leverage unique metadata tracked within the archive. Example uses include:

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- Manage capacity for better return on asset (ROA) from your archive
 - How much data is beyond the retention period?
 - Which applications are failing to delete expired content?
 - Add targeted deletion capability to home-grown archiving applications.
 - Perform utilization trend analysis to plan for growth.
 - Perform data isolation projects
 - Application migration projects: identify all data from an application that is no longer used.
 - Execute organizational sell-offs for mergers or breakups.
 - Respond to inquiries or legal holds.
 - Support new strategic opportunities for revenue generation
 - Power chargeback applications that bill for the departmental use of Centera.
 - As a service provider, execute account management activities such as closing an account or providing targeted data restorations.

Monitor and track archive utilization to meet service levels

Centera Chargeback Reporter enables the creation of detailed capacity utilization reports based on the departments that own the data stored on Centera. This capability is valuable to both storage administrators as well as users of Centera, offering a storage service provider (SSP) business model. Example uses include:

- Efficient tracking for service providers
 - Track utilization to business units or divisions for the amount of data they have stored to a centralized Centera archive.
 - Storage server providers: allow for billing to end-user accounts including detailed usage information.
- Manage capacity for better return on asset (ROA) from your archive.
 - Track utilization of archive storage across multiple applications using Centera.
 - Enable consolidation projects: centralize and unify archives.
 - Analyze consumption trends by categories of data type.

Implementing Centera Seek and Centera Chargeback Reporter

(Requires EMC Centera CentraStar® platform software version 2.3 or later)

1. Environment verification and hardware acquisition

Centera Seek runs on the Centera Seek Appliance and uses a network connection to a single Centera cluster in order to gather CDFs for indexing. Queries using the Centera Seek query API are targeted against this server. The Centera Seek Appliance is also the host for the Centera Chargeback Reporter Web application.

For technical details, examine the Centera Seek Appliance specification sheet at www.EMC.com.

Additional Centera Seek Appliances can be installed in order to scale file count in a linear pattern.

2. Professional Services Engagement

EMC ensures optimal installation and configuration of the Centera Seek and Chargeback Reporter environment with a professional services offering. During this engagement the technical services team:

- Installs Centera Seek and Chargeback Reporter.
- Configures Centera Seek based on customer requirements.
- Identifies and builds tracking categories for chargeback reporting.
- Educates the customer on how to create, schedule, and export chargeback reports as well as how to customize reporting in the future.
- Identifies and creates any custom tool for the customer that utilizes the Centera Seek API.

Take the Next Step

For more information on EMC Centera Seek and EMC Centera Chargeback Reporter, contact your EMC sales representative.



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