



QStar Partner Solution



Manage and Protect Your fixed Content Assets with EMC Centera and QStar Data Director

EMC Centera Benefits

- Store and retrieve fixed content-fast-without ever losing information
- Get easy online access and petabyte scalability
- Use fixed content in new ways to improve productivity and increase revenue
- Improve total cost of ownership with reduced management requirements
- Ride technology innovations non-disruptively

More data is stored and managed today because of regulatory requirements in healthcare, finance and banking, and the desire to leverage this content into new services and revenue streams, however turning that data into information is necessary if the data is to be of any value to the business unit.

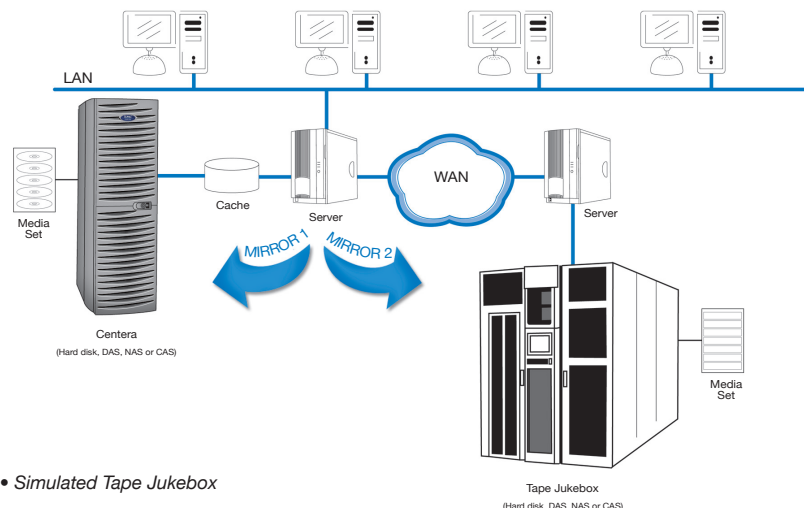
The combination of **QStar Data Director** and **EMC's** content addressable storage solution gives organizations a set of intuitive, prescribed policies for automatically migrating fixed content to **Centera** storage resources from their production servers. This highly complementary fit provides great operational utility and investment leverage.

QStar Data Director supports any combination of RAID, DAS, CAS, tape and/or optical storage archive hardware. It provides a single volume view of all your archive assets through a file system cache. With the appearance of a standard magnetic disk, application access to the data stored in the volume is entirely transparent to users and their applications.

QStar Data Director Benefits

- Multi-Tiered Storage Support
- Policy-based automatic migration of reference files to lower-cost storage
- Vastly reduced backup time and disaster recovery time
- Monitors storage capacity and automatically migrates files to prevent reaching critical capacity limits
- Installs easily and quickly with no required server downtime
- Off-line media tracking
- Mirroring of Archive Devices
- Hot Standby
- Load Balancing
- Auto Re-Synchronization if a device goes down

With **QStar's Simulated Jukebox** agent, **QStar Data Director** can add the additional protection of mirroring data sent to the **Centera** by concurrently writing files to a storage library. Data protected in this way gain both the on-line access of **Centera** as well as the added benefit of low cost removable media. The data is protected with fail over and hot synchronization features so that if either device should experience down time the other device continues to pick up the network load. Once the failed device is back up, the data sets are automatically hot synchronized and the data sets become an exact mirror once again. This eliminates the back up window and restoration costs associated with the recovery



• Simulated Tape Jukebox

QStar Partner Solution



Centera Data Protection Support

Many regulations require timely access to archive data. By managing archive data on Centera and mirroring that data to a removable media archive device, users gain faster access to compliance data by accessing it from the Centera while providing a mirrored backup copy of the data for disaster prevention. Centera provides fast and reliable archive storage in a revision secure environment, however often these devices are not protected beyond their inherent self-healing capabilities. SDJ/STJ allows users to further protect that archive data by writing an additional copy either to another Centera device or to an optical or tape storage library. Should Centera fail for any reason, data is still accessible from the secondary device. This extends the level of protection beyond a Centera for a more robust archive continuity plan.

Mirroring reduces downtime for backups because an exact duplicate of the data exists at all times; without the expense, manpower and the time needed to generate backups. In addition the mirror with SDJ or STJ can be done on removable media and can be done even to write-once media types for maximum security and regulatory needs.

In addition SDJ/STJ allows users to take advantage of features previously available only on removable media devices. Users can make copies of data from simulated volumes to removable media volumes automatically with our Copydisk function. This allows users to make backup or distribution copies of data when needed. SDJ/STJ allows users to write images in a standard exportable format such as ISO or UDF, which can later be burned onto CD/DVD or MO/UDO/PDD. In addition users can create a data set that can be mirrored at a later point in time. Volumes can be configured to logical views that make sense for a specific application. Users can either select the block-size and number of blocks for each volume or they can use a predefined value for the volume size.

- Manages data storage in an automated, intelligent manner based on administrator-defined policies. This reduces the load on primary storage devices on the network, reduces management overhead, and eliminates manual intervention and costly mistakes regarding data retention.
- Enables backup solutions to focus on active, production files, minimizing the backup window for transactional data while eliminating the backup process for fixed content information on the network.
- Provides a low-cost mirror for Centera in the event of a disaster, providing a means to protect fixed content in the event of a disaster.
- Minimizes time required to perform full (disaster) recovery, thereby minimizing downtime and associated cost by restoring only relevant, production files in full while restoring just the reference information for the infrequently accessed files.
- Provides end-users with immediate and transparent access to all of their stored files in their existing directory structures without administrator intervention.
- Minimizes SAN storage growth by continually differentiating infrequently accessed files from active production files and migrating them to less expensive storage.

EMC Corporation
A QStar Value Added Reseller
176 South Street
Hopkinton, MA 01748
Phone: 508-435-1000

QStar Technologies, Inc.
2175 West Highway 98
Mary Esther, FL 32569
Phone: 850-243-0900
Fax: 850-243-4234
Info@qstar.com

QStar Technologies Europe
Viale Italia, 12 - 20094
Corsico (Milano) Italy
Phone: +39 0245171.1
Fax: +39 0245101745
Info@qstar.it

