Data Protection for EMC Centera

Recovery & Backup for Centera

Key Benefits

> Simple, set and forget operation

> Full, selective and incremental backup

> Configurable RPO

> Electronic alerts

> Transparent to apps and end-users

> Flexible Storage Pooling

> Cloud target

> Pay as you go per TB pricing

Irrecoverable Data Loss

Despite EMC Centera on-array data and off-array replication protection techniques irrecoverable data loss may still occur due to a number of factors including:

- Inadvertent human deletion
- Intentional human deletion
- Microcode failures
- Application errors
- Service errors

Replicating data between two Centera systems may not be enough to fully protect the data stored in Centera. The only true way to protect data stored in a Centera is to save an additional copy of the data in a different storage system. This third copy must be able to be restored to Centera in a transparent manner its native format.

Easy and Effective

Recovery and Backup Software (RBS) for EMC Centera was specifically designed to make Centera data protection simple, reliable and affordable. RBS is deployed as software that runs on your servers and writes data to your storage systems. This enables the use of existing IT assets, when available, and avoids lengthy hardware qualification processes. RBS uses cryptographic hashing techniques, like Centera, to verify all of the data is identical on both backup and recovery operations.

Verified

For simplicity and reliability, RBS accesses Centera via its native API interface and performs queries and read-only copy operations. RBS never puts any Centera data at risk. Raw Centera data including clipIDs, CDFs and BLOBS are copied out by RBS and written to a pre-defined target. Then the content is verified using Centera hashes to insure the operation was successful.

RBS tracks all data on Centera even deleted data. Standard reports provide a deeper understanding of the data on Centera and the RBS operations run. Customizable reports provide another layer of flexibility for operational and data analysis.

RBS helps meet storage best practices along with HIPPA and SEC requirements for a second copy. How do you assure the court that proper data handling was provided if a disaster occurs and data has to be restored? Chain-of-custody reports generated by BRS can help provide the proof.

LAN

WAN

BRS

- Cloud
- NAS
- iSCSI
- Local

Policy based Automation

Working in the IT department is a busy, event driven job which is why we designed RBS to be policy driven. This way you can set policies to schedule Centera backup and then forget about it. If an operational problem occurs RBS will send out a SMS or email to alert to the appropriate staff member that attention is required.

The scheduler in RBS is used to inventory, backup or restore data to Centera on cue. This allows RBS activity to be coordinated to times when the use of Centera is low.

Flexible Storage Options

RBS can protect Centera data on wide range of storage devices ranging from local storage to network storage all the way up to cloud storage. Another IT peace of mind and labor saving feature is Storage Pooling. This allows multiple storage devices to be defined and when one fills up BRS automatically starts using the next one for backup.

Prioritized Restore

When the unthinkable happens and you need to recover data fast, RBS provides unmatched options including: single c-clip, a list of clips, by date range, since the last backup or everything. RBS lets IT meet the business requirements by enabling data recovery to be prioritized

Pay as you go pricing

RBS is priced by the capacity of actual Centera data protected therefore you only pay for what is used.

Professional Services

DTS has an experienced bench and provides a wide range of professional services. Need data protection against a site failure? Let us seed the baseline backup prior to moving the storage to a remote data center.

DataTrust Solutions

Proven data protection solutions and services for organizations in health care, finance, government and compliance driven market segments. Our customers range from small medical clinics to Fortune 500 enterprises. Common to all our customers is the need to protect, move or recover their data in a verified manner.

For more information please contact us at +1 720-675-9070 or email us at sales@DataTrustSolutions.com.

Configure Backup Settings

OPERATION	STATUS	
Set backup type	From last	
Schedule backup	**Daily**	→

START

Monitor Backup

OPERATION	STATUS	
Backup status	Finished	
Current backup	Jan 20, 2012 1:28:23 AM	

INVENTORY SCHEDULE

○ Immediate

○ One-off   Jan 5, 2012 4:40:00 AM

○ Daily   00 : 00   to   04 : 00

◉ Weekly

☑	Mon	22 : 00	to	23 : 59
☑	Tue	22 : 00	to	23 : 59
☑	Wed	22 : 00	to	23 : 59
☑	Thu	22 : 00	to	23 : 59
☑	Fri	20 : 00	to	23 : 59
☑	Sat	00 : 00	to	06 : 00
☑	Sun	00 : 00	to	06 : 00

RESTORE SETTINGS

○ None

○ Select by date range

    Start date/time   Nov 1, 2011 12:06:00 AM

    End date/time   Nov 1, 2011 11:27:00 PM

◉ Restore single clip

    Clip ID   R7CKD3Be5GJM3KDQGNKI6G416DE758HM0FB50A03IP8CJ

○ Restore from list   Browse...   Upload

○ Restore last backup

○ Restore all

RBS Server Specs

- Ubuntu 10.04 Server (64-bit)
- 2 GHz dual core CPU
- 16 GB RAM
- adequate free disk space
- 2 NICs, 1Gbps