





Storage Decisions Presentation Download

Backup Technologies Track:

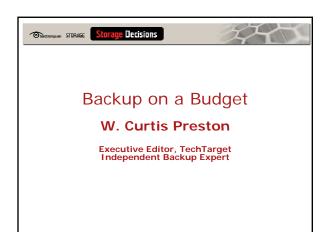
Backup on a Budget

W. Curtis Preston **Executive Editor, TechTarget Independent Backup Expert**

In this presentation, you'll learn about some of the non-traditional alternatives that IT shops might consider when funds are tight.









Agenda

- What is "on a budget?"
- What costs money?
- Open-source backup alternatives
- · Cloud backup: cheaper?



What is "On a Budget?"

- Isn't everybody on a budget?
- Storage is often the most expensive part of IT
- Backup is often the most expensive part of IT
- Are you getting the squeeze?
- This isn't free backup
- It's saving money on some things so you can spend them on others



What Costs Money?

You

- Simply put, people are the biggest recurring expense in a
- Reducing complexity and increasing reliability = reducing

Media

- · The black hole of backup
- Buying it, moving it, storing it, etc.
 Disk and deduplication changing these rules

· Software/hardware, inc. maintenance

- Underutilized hardware is a huge expense
- Most hardware also requires software licenses
- Using what you have well is the secret



Open Source Backup

- Most companies' backup requirements are not rocket science
- · Many companies' requirements can be met by inexpensive and/or open source products
- · Allows you to save money on software and spend on hardware



- · Remember what's most expensive
- · Investigate the tool's community
 - Some communities very helpful, including coding help
 - Others are somewhat "dead" and aren't moving it forward



AMANDA

- · Grand-daddy of open source products
- Developed years ago for University of Maryland (<u>A</u>dvanced <u>MarylANd</u> <u>Disk Archiver</u>)
- Basically a scheduler/media handler for standard/native tools (e.g. dump/tar)
- Thinks/acts like "traditional" backup
- · Huge, very active user community
- Now supported by Zmanda
 - Fixed several long-running issues
 - Added support for MySQL, SQL Server, Exchange, Sharepoint, Oracle
 - Windows products supported by VSS!
 - · Installation, tech support
 - Supports backing up to Amazon's S3



Bacula

- Roams the datacenter at night and sucks the vital essence from your computers
- Full backup replacement with agents for many platforms. Does not use native backup tools
- · No database agents yet
- Thinks/acts like "traditional" backup
- Huge, very active user community/forum
- Commercial installation, configuration support provided by Bacula systems
- Contributing to the community, but not as quickly or strongly as Zmanda



BackupPC

- Uses rsync or tar to incrementally transfer new files to backup server
- Acts most like near-CDP, not traditional backup
- Files stored in tree structure in native format
- Fully-redundant files are eliminated and replaced with links
- Full web interface
- Can download files via http, or restore via rsync/tar using GUI
- · Large, active user community



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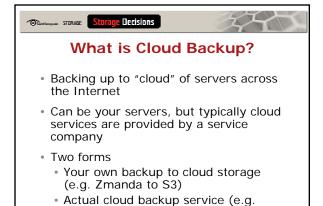
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- BOBS
- KBackup
- Psyncx
- REOback
- · Links to all products on backupcentral.com





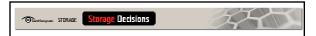


- Companies who do not have a corecompetency in backup
- Companies that want to completely outsource this "problematic" part of IT
- Larger companies that want to back up remote offices without managing a new backup product
- Companies with a "reasonable" change rate that lends itself to deduplication
- Notice I didn't say companies that want to save money



Who is Cloud Backup Not Right for?

- Companies trying to back up Terabytes of data from a single location
- Companies with aggressive RTOs for the data they will back up to the cloud
- Companies who aren't fully aware of their own internal costs



Isn't Cloud Backup Cheaper?

- It can be, but it often isn't
- It can be if a significant portion of your cost is coming from labor
- Some pricing very inexpensive and some ridiculously high
- You must be fully familiar with your own costs to see if cloud backup would be cheaper



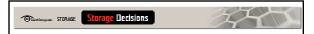
What Are My Costs?

- Software/hardware maintenance
- · Buying, maintaining & upgrading
 - Backup servers
 - SAN
 - Disk & tape subsystems
 - · Backup software, clients
- Monitoring & reporting on backups
- Offsite storage
- Power and cooling



Is Cloud Backup Safe?

- · Some vendors are, some aren't
- Must get real customer referral
 - · On the Internet, no one knows you're a vendor
- Must learn about infrastructure
 - · Do they have multiple sites?
 - What have they done to ensure your backups remain accessible?
 - · What are they doing to increase security?
 - Evaluate "reasonable"
 - · Run a professional vulnerability scan against them (e.g. www.nessus.org).



Backup Concierge Service

- Product briefing executive summaries
 - Quick summaries of vendor announcements and which you should or shouldn't care about

- The shouldn't care about revaluations remains remai
 - Discuss backup world live with me and other gurus Hear what's going on in other people's environments
- Backup gurus on retainer
 Got a question about a product's capabilities, or your backup strategy? Ask the gurus at no additional charge.
- Cuarterly backup system check-up

 Mini-backup audit designed to identify negative trends and to provide guidance for future decisions

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