

Radically Simple Backup and Restore

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What's wrong with backup today?

- Expensive legacy business model
- Difficult installation
- Complex servers, agents and consoles
- Lack of flexibility
- Proprietary data formats
- Security policies
- Vendor lock-in

The Solution



Amanda Enterprise: Commercial-grade, easy flexible, and robust

- Easy and Secure
- Cross-platform support
- Intelligent Scheduling
- Reporting
- Monitoring
- Support for multiple media types
- Open Source with no proprietary data formats



Radically Simple...



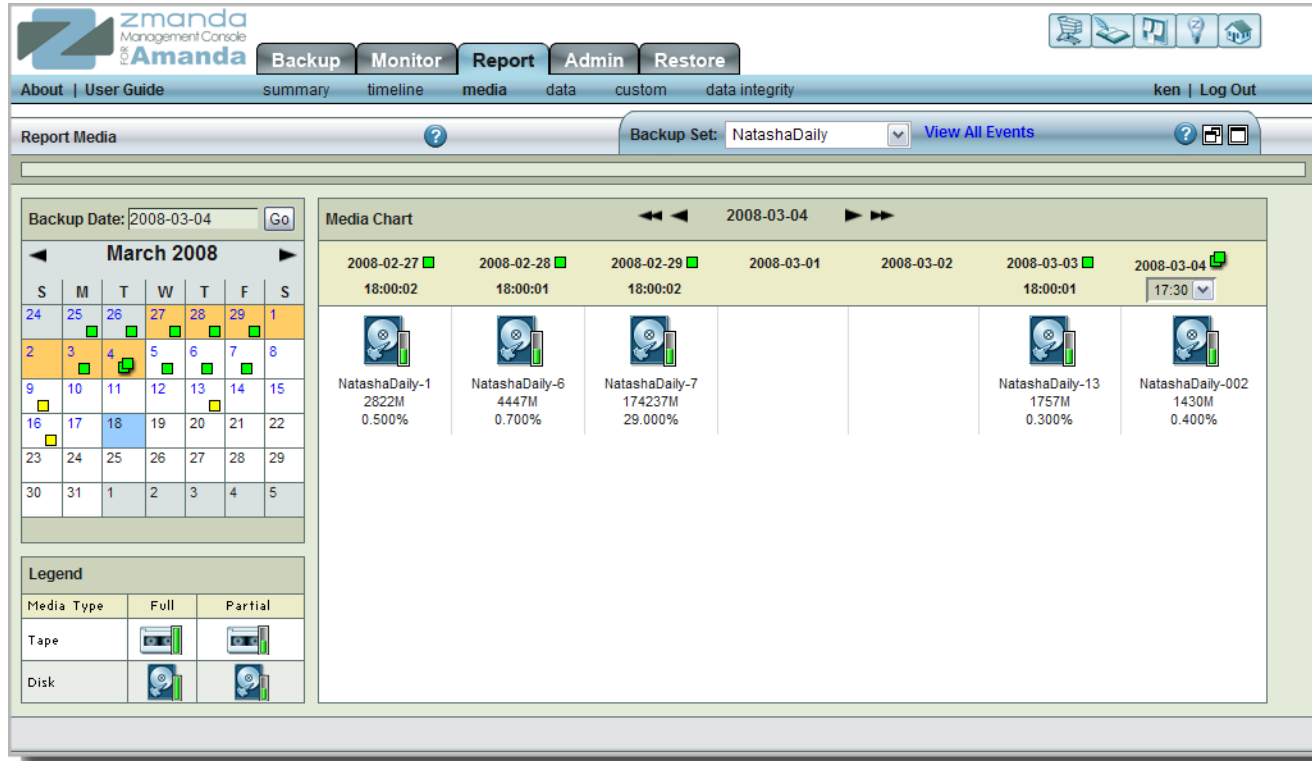
Easy as “What”, “Where”, “When” and “How”



- **What** to back up
- **Where** to back it up to
- **When** should it be backed-up
- **How** should it be backed-up

Activate!

The Secret...Killer UI!

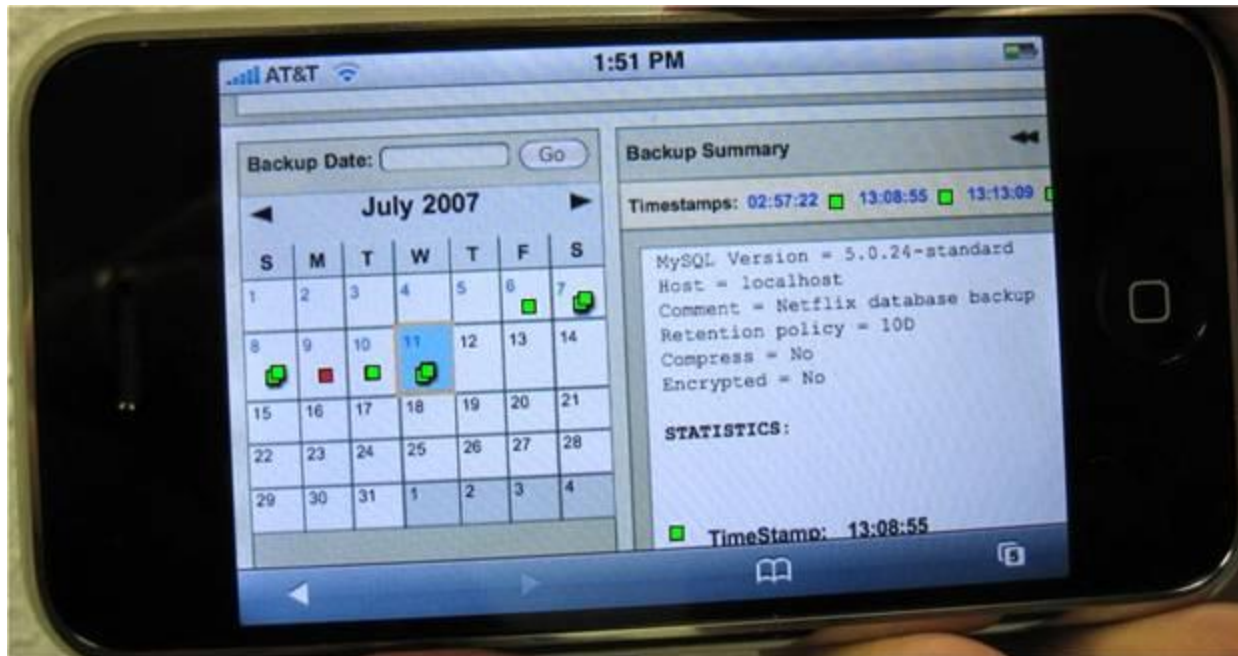


- Web-based
- No console software
- Integrated online help
- Available anywhere

Available Anywhere...



...even on an iPhone



Cross-Platform Support



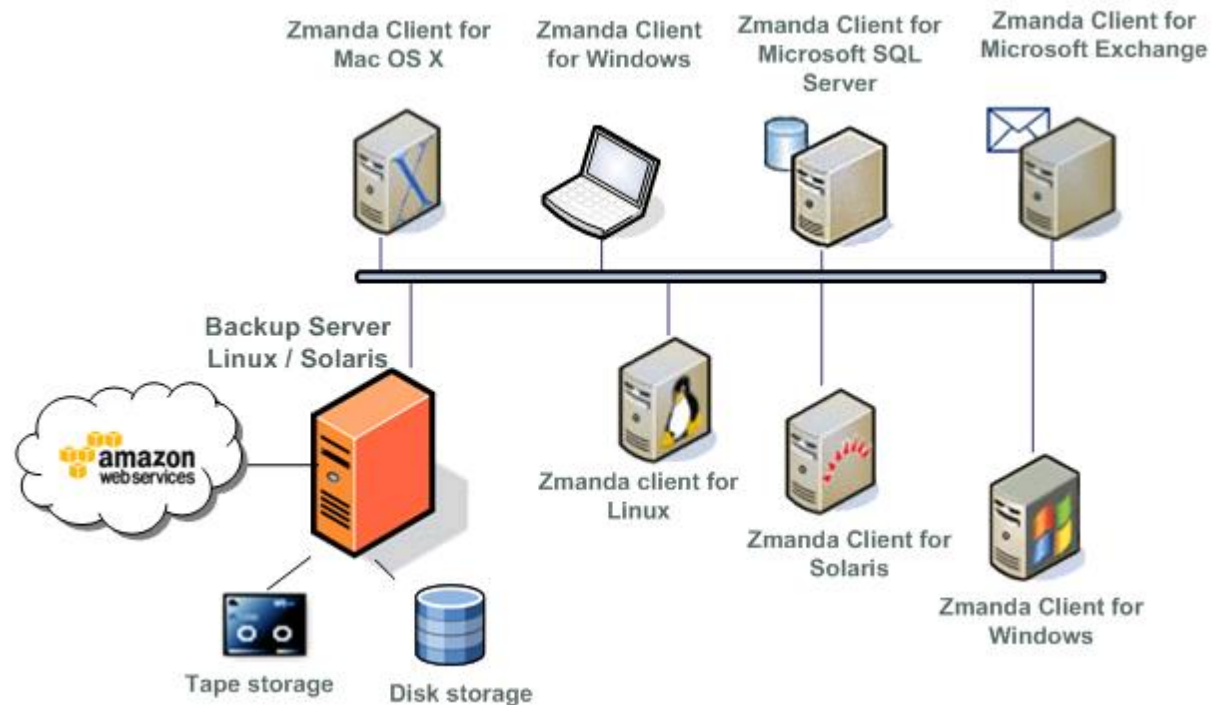
Support for heterogeneous environments...

Server

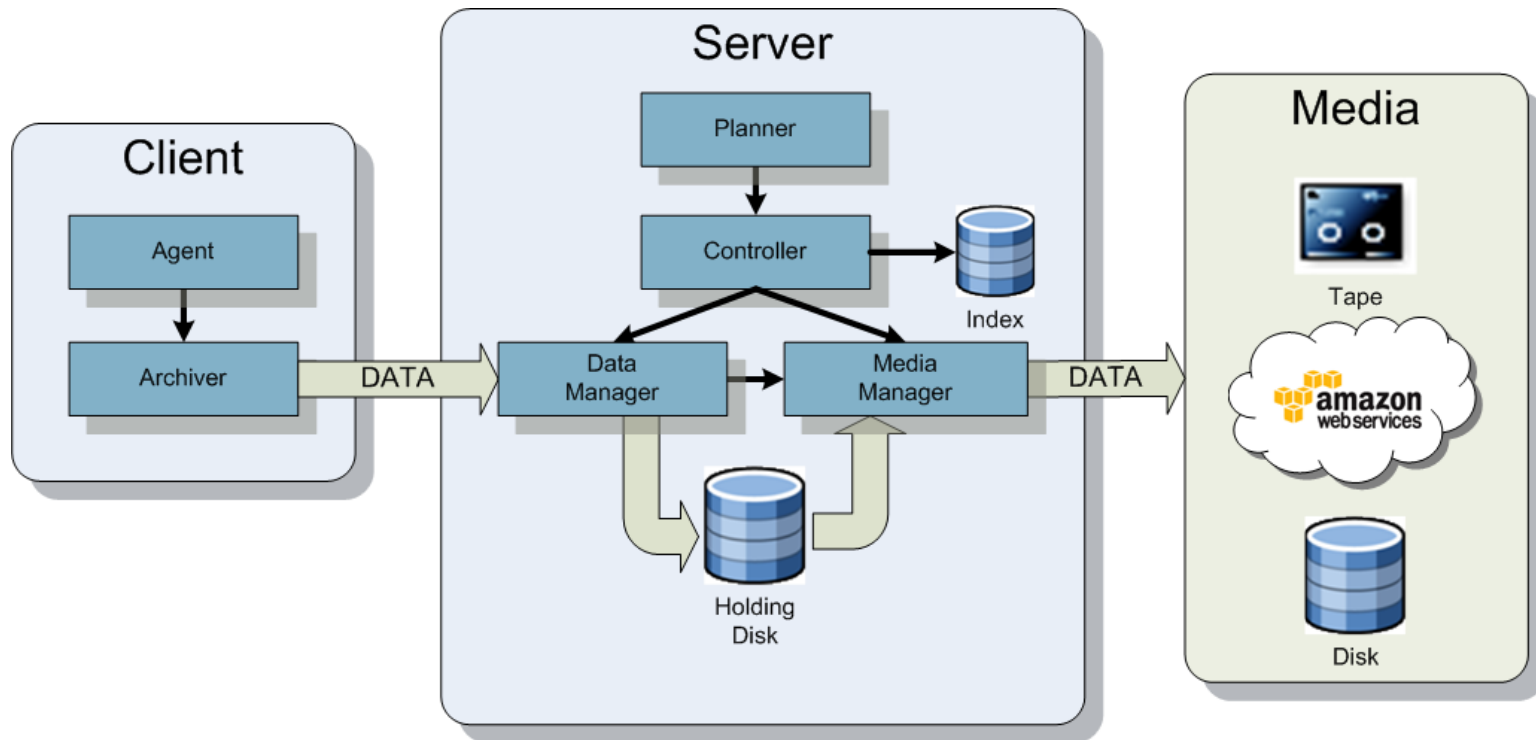
- Linux
- Solaris

Client

- Windows
- Linux
- Solaris
- Applications



Scalable and Flexible

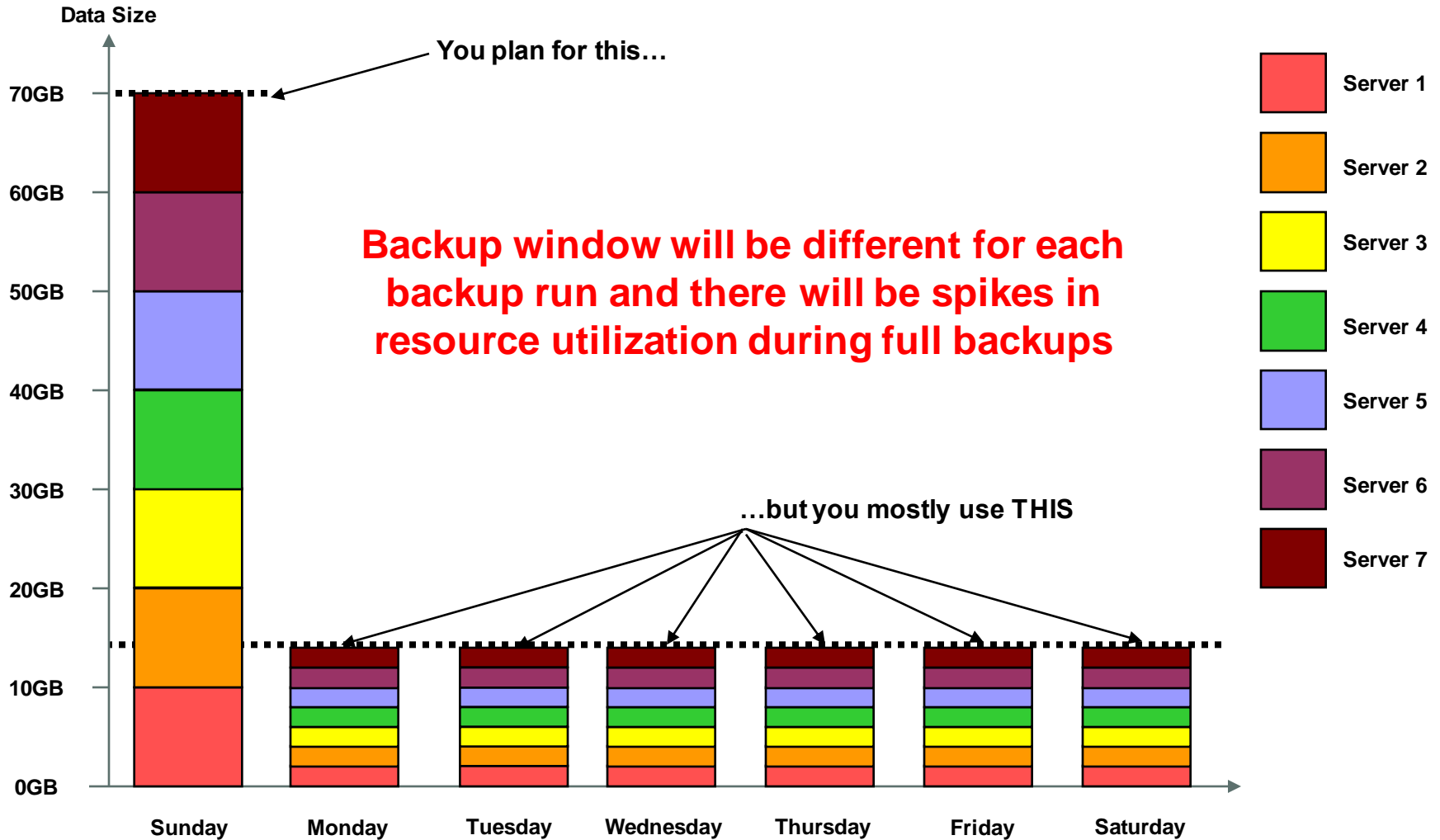


- Client-Server architecture
- Holding disks
- Multiple media types
- Multiple backup streams
- Pluggable encryption and compression

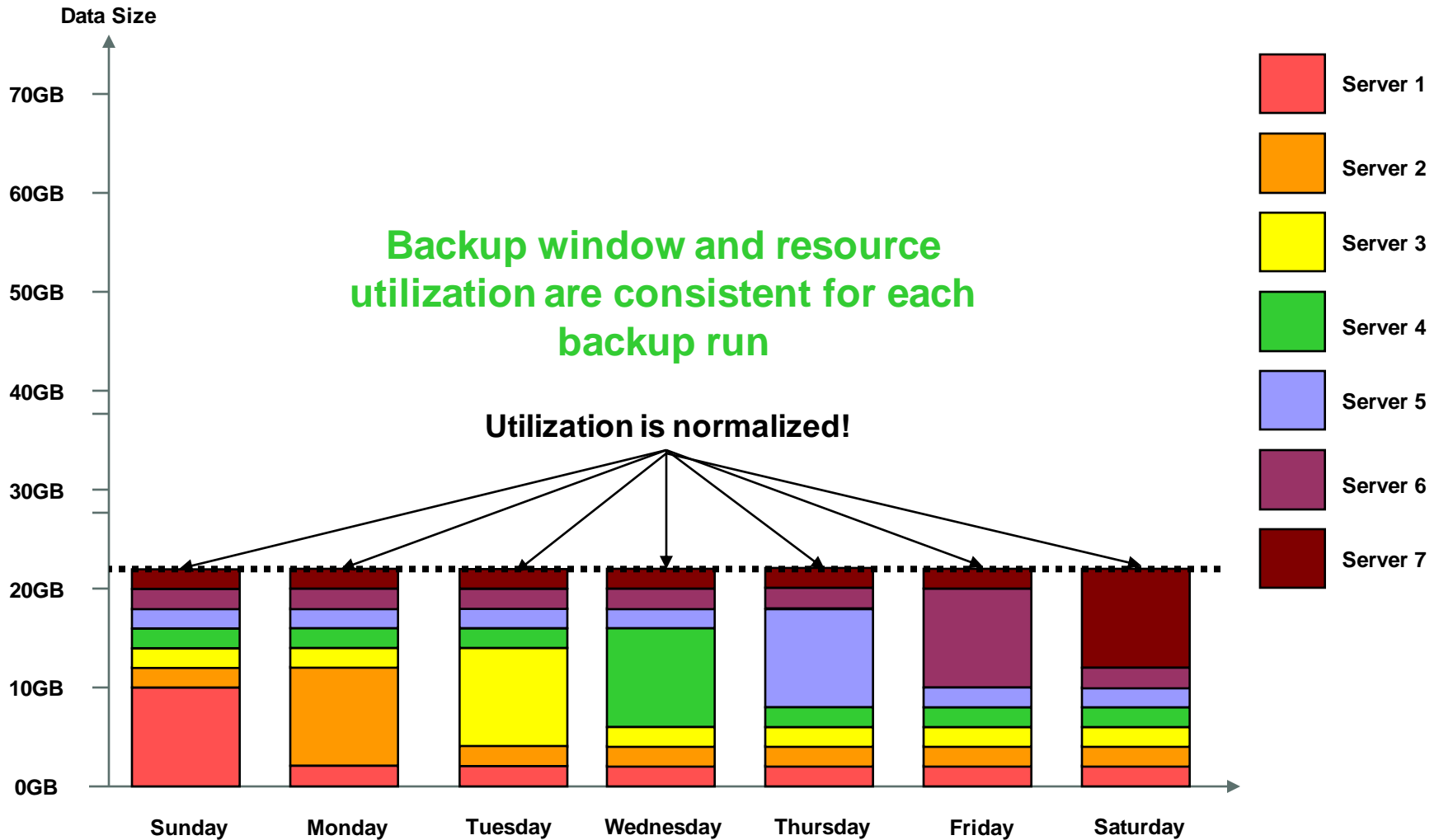
Let Amanda do the work...

- Automatically optimized schedule
- Specify a few key parameters
- Efficient data distribution
- Optimized and normalized backup windows

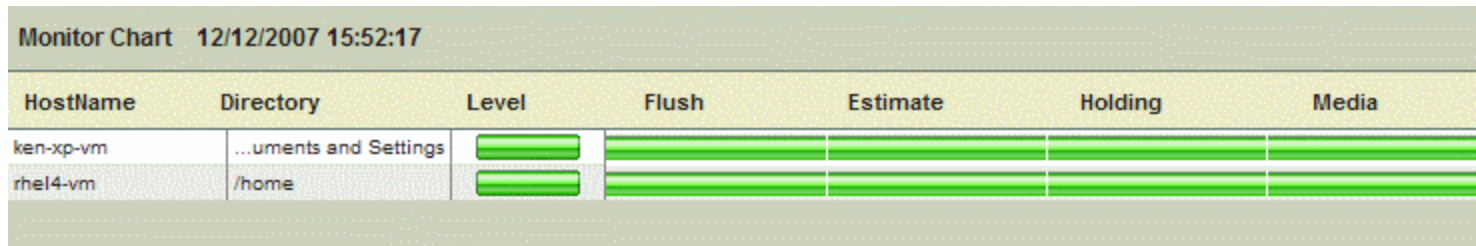
Traditional Approach



Amanda Enterprise Scheduling

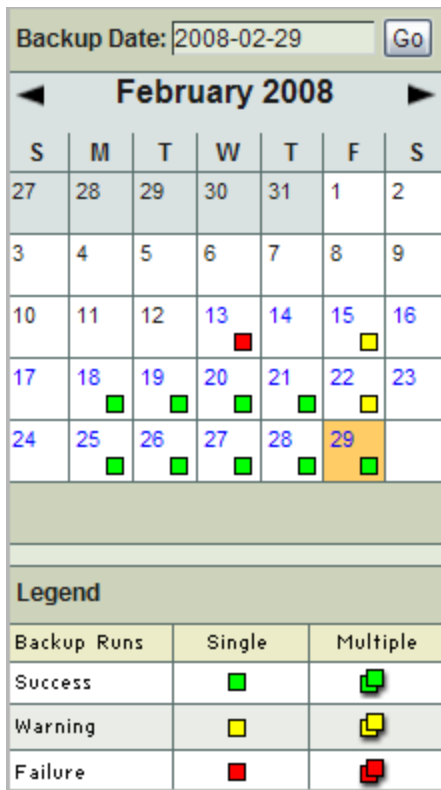


Watch backups as they run...



- Live view of backup progress
- Data path visualization
- Backup run status on mouse-over
- Stored in report history

Backup report status and history...



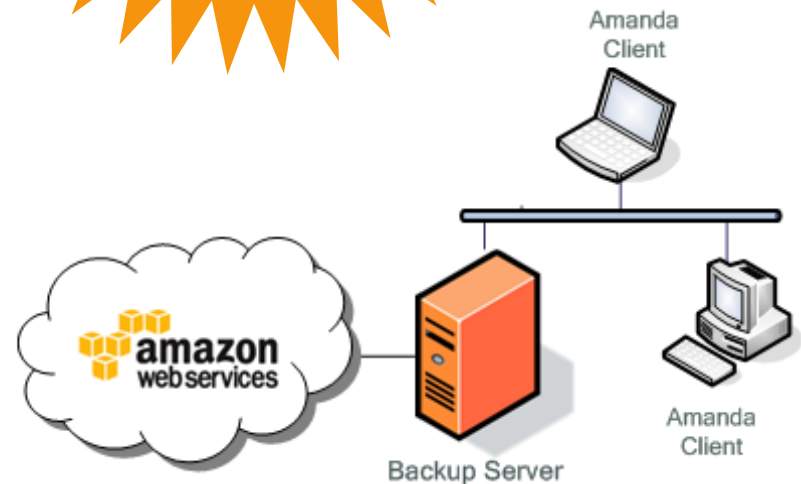
- At-a-glance view of backup history
- Visual indicators of success, failure, or warning
- Interactive calendar
- Reports available online and delivered via email
- RSS?

Zmanda Internet Backup



- Utilizes Amazon S3 to provides scalable, reliable, fast, and inexpensive data storage
- Uses strong authentication to ensure that data is kept secure
- Data cached on Amanda Backup Server

Reliability backed with the Amazon S3 Service Level Agreement



Amazon Web Services Are...

Building block services that allow developers and IT to innovate

Infrastructure As a Service

-  Amazon Simple Storage Service
-  Amazon Elastic Compute Cloud
-  Amazon Simple Queue Service
-  **Amazon SimpleDB**





Payments As a Service

-  Amazon Flexible Payments Service

People As a Service

-  Amazon Mechanical Turk

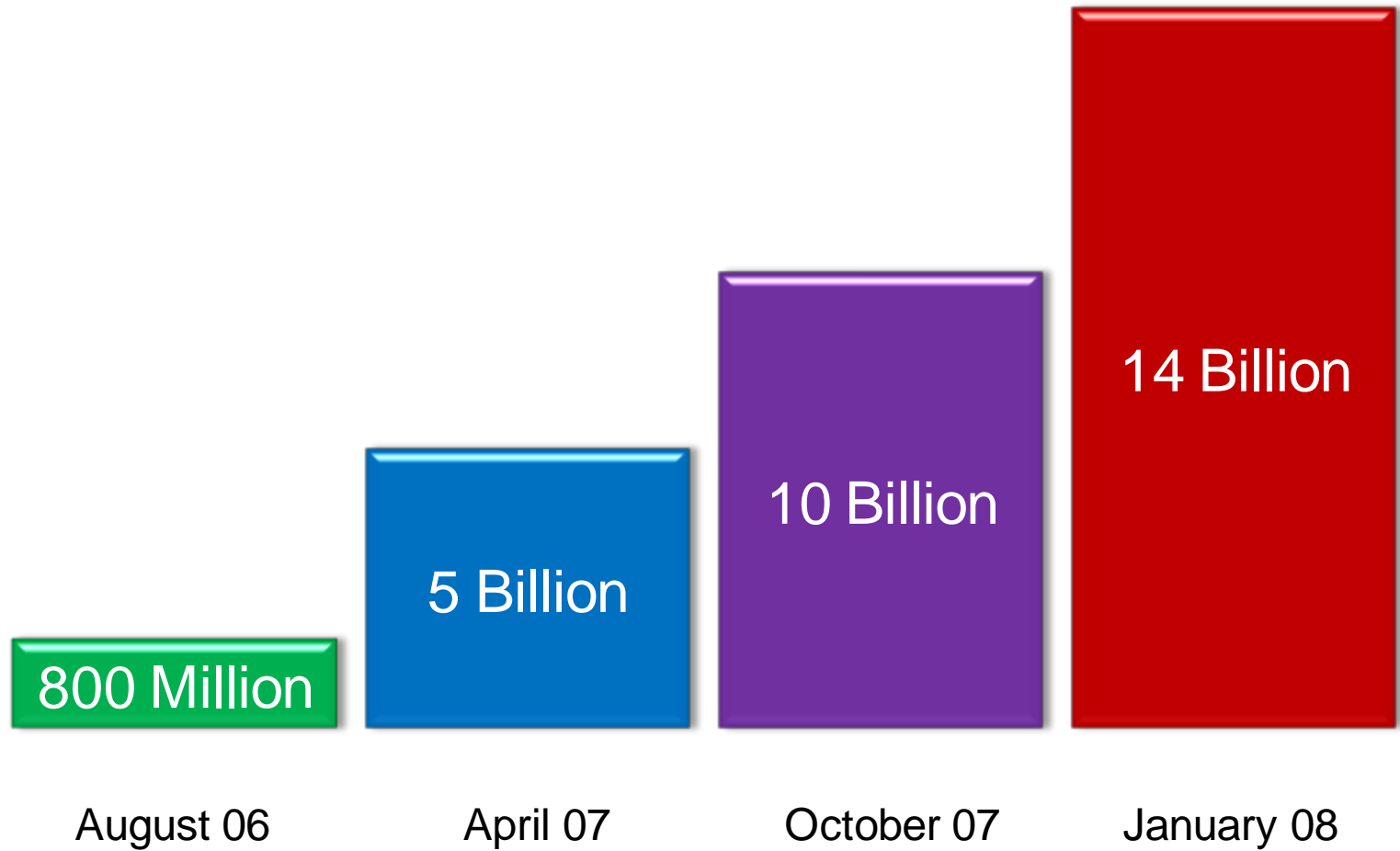
Alexa Web Services

-  Alexa Web Information Service
-  Alexa Top Sites
-  Alexa Site Thumbnail
-  Alexa Web Search Platform

Amazon Simple Storage Service (Amazon S3 for Zmanda Internet Backup)

- ❏ Highly scalable data storage in-the-cloud
- ❏ Programmatic access via web services API
- ❏ Simple to get going, simple to use
- ❏ Highly available and durable
- ❏ Pay-as-you-go:
 - ❏ Storage: \$0.20 / GB / month
 - ❏ Data Transfer: starts at \$0.20 / GB
 - ❏ Requests: no charge

Billions of Objects Stored



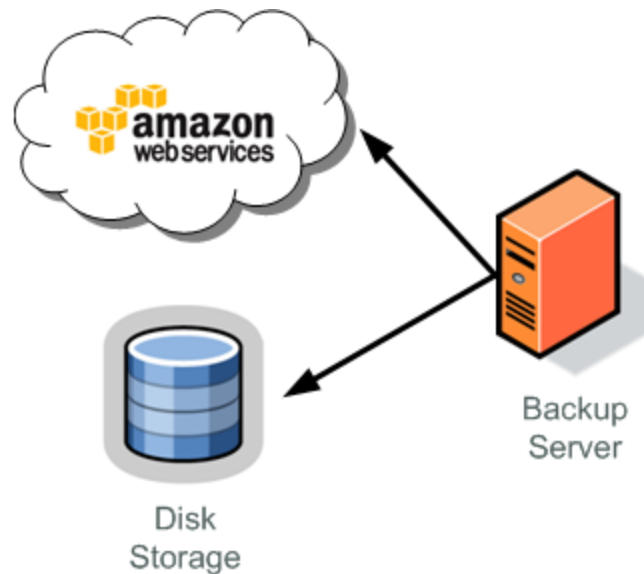
Why backup to SaaS?

- Ideal for offsite
 - Tapes can get lost or damaged
 - Offsite media can take too long to recover
 - Physical offsite storage requires long-term contract commitment
- Unparalleled access
 - Available from anywhere at any time
 - Secured with strong encryption

***“We think users should seriously consider adopting such hybrid approaches to provide layered, efficient data protection.”
(Illuminata, Feb. 2008)***

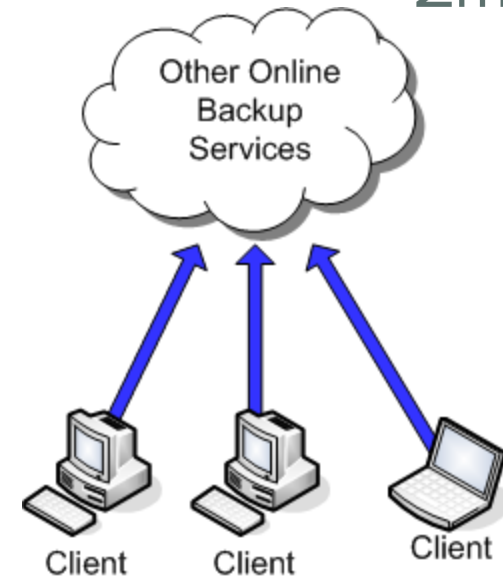
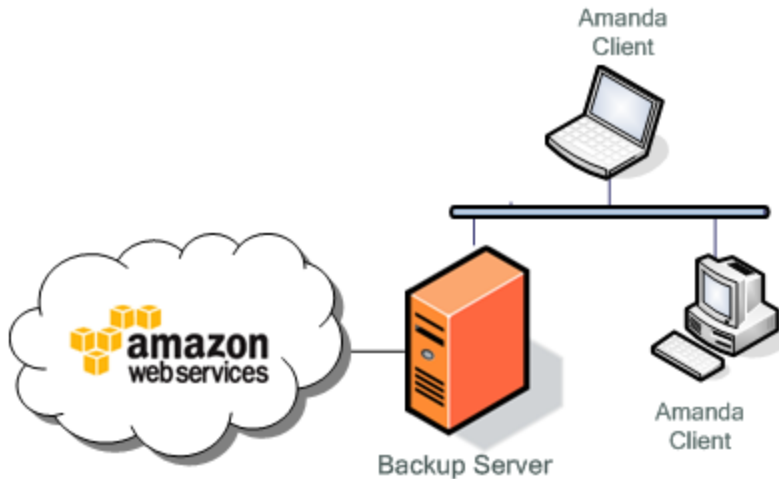
“Hybrid” Backup

Backup your data your way...



- Backup locally frequently and occasionally to S3
- Backup to local disk and S3 at the same time every time

How does it stack up? (Re-Do)



- Amazon S3 complements backup to local disk or tape
- Windows, Linux, Solaris, MacOSX *and* MS Exchange, MS SQL, MySQL
- You decide for how long you keep your backups, e.g. 6 months
- 20 cents per GB per month

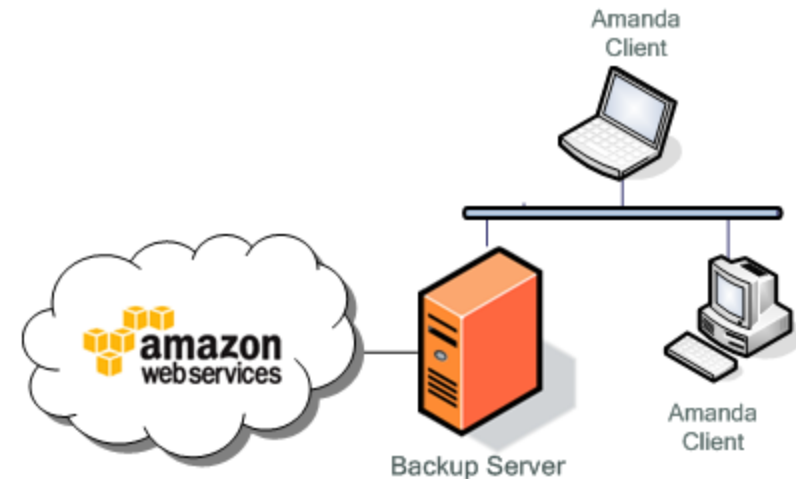
- Online service is the only target for backup
- Windows only
- Backups kept only 30-60 days
- \$3.95 per month per system and 50 cents per GB per month *OR MORE!*

How does it stack up?



Other Online Backup Services

- Online service is the only target for backup
- Windows only
- Backups kept only 30-60 days
- \$3.95 per month per system and 50 cents per GB per month **OR MORE!**



Zmanda Internet Backup

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- 20 cents per GB per month

All Open Source benefits apply to backup...

- Freedom and flexibility
- High quality code through peer review
- Standard format and protocols
- Low cost
- Knowledgeable and resourceful community
- Secure



"It is clear that there is both a highly skilled and passionate community committed to the long term quality of Amanda network backup software..."
Ben Chelf, CTO of Coverity

Backup and restore with confidence...

- Simple installation
- Web-based interface
- Highly flexible and configurable
- Modern and modular security
- Subscription pricing model
- Open media and device formats
- ***ABSOLUTELY NO*** vendor lock-in



More information available at:
<http://www.zmanda.com/eseminar>