

STORAGE & BACKUP SOLUTIONS ON TODAY'S BUDGET

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- Over 10 Years Experience with Apple
- Apple Certifications: 10.6 ACSA, XSan 2
- Other Certifications: PMP

DOUG HANLEY

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 - Apple Authorized Training Center & Service Provider
 - Apple Professional Service Provider
- Over 20 Years Experience With Apple
- Apple Certifications: ACSA 10.6, ACMA, ACT, ACMT
- Other Certifications: CSSA, Net+...

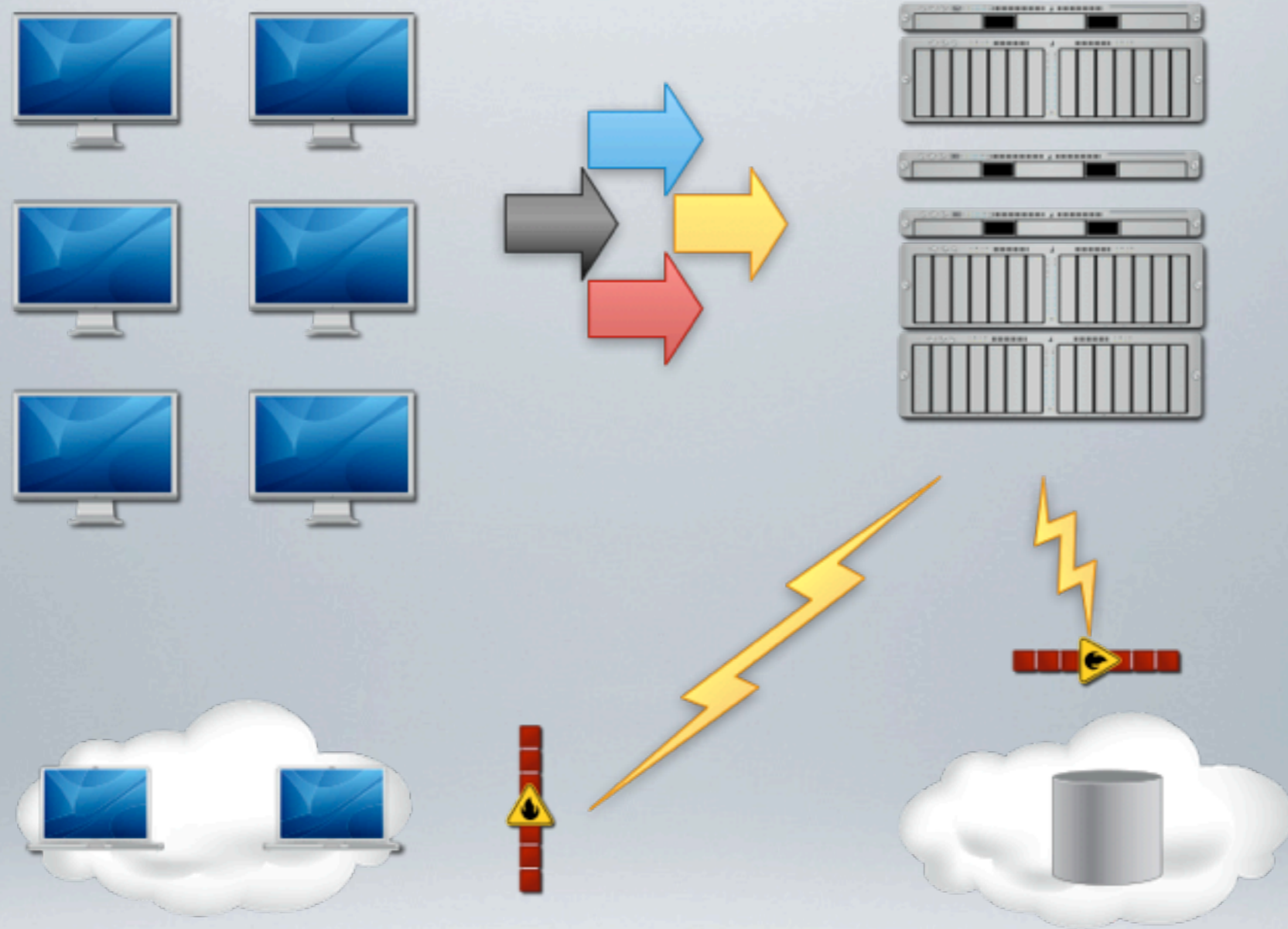
SLIDES

- Updated Slides are available on wireless network
- Please set all phones to stun (vibrate), Thanks!

OVERVIEW

- Plan
- Backup Solutions
- Storage Solutions

PLAN



BACKUP WORKFLOW

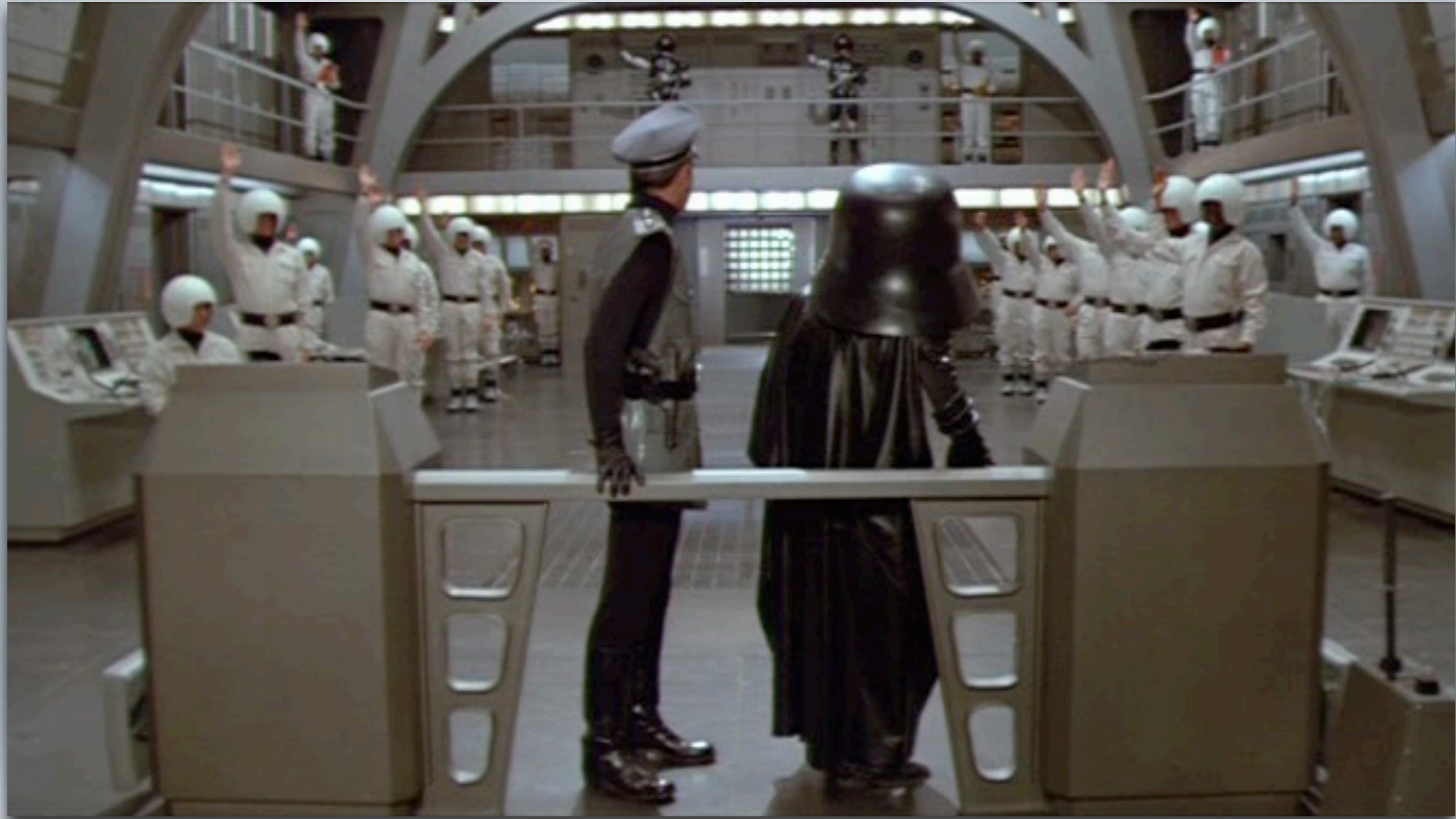
WHO'S YOUR "CUSTOMER"?



“FABULOUS”



“I’M KIND OF A BIG DEAL”



“I’M SURROUNDED BY...”

WHAT DOES BACKUP MEAN?

“BACKUPS” CAN BE...

	Pros	Cons
Network Storage	Small “Backup” space required	Can get outdated quickly
“Sync”	Automated	Delete == local + backup
Archive	Historical backup	Expensive

RAID IS NOT BACKUP

WHERE SHOULD BACKUPS
LIVE?



MATRIX

DATA TYPE MATRIX

	Local	Offsite*
Mission Critical	\$\$	\$\$\$
End User	\$?

REDUNDANCY

	TBD	



RECOVER

RECOVER

Local	Offsite	Offsite
End User's Local Drive	LAN Server	Cloud

SECURITY



A HELPFUL VENN DIAGRAM

SECURITY

STORAGE AND SOFTWARE SCENARIOS

ME!

BACKUP SOLUTIONS



TIME MACHINE

TIME MACHINE

- Pros

- FREE

- UI

- Cons



BACKBLAZE

BACKBLAZE

- Pros

- \$5/mo!
- External Devices
- Simple
- Continuous Backup

- Cons

- file < 9GB (Entourage)
- Limits
- Restore Options



DROPBOX

DROPBOX

- Pros

- FREE, kinda
- Offsite
- Continuous Backup
- Restore Historical
- Share

- Cons

- Storage vs. Cost



CRASHPLAN

CRASHPLAN

- Pros

- FREE, +
- Offsite, +
- Continuous Backup +
- Restore Historical +

- Cons

- JAVA



CRASHPLAN

CRASHPLAN

- Pros

- FREE, +
- Offsite, +
- Continuous Backup +
- Restore Historical +

- Cons

- JAVA

MATRIX

Solution	Local	“Offsite”	Cost
Time Machine	Yes	Kinda	BEER!
Blackblaze	Yes	No	\$5/mo*
Dropbox	No	Yes	Free - \$\$\$
CrashPlan	Yes	Yes	BEER?

STORAGE OPTIONS

OPTIONS

Devices	Costs
USB	\$
Firewire	\$\$
eSATA	\$\$
Server	\$\$\$
Cloud	\$-\$\$\$

OTHERS
(Since it's my job)

BACKUP SOLUTIONS



BACKUPS

I'll be back

Search

SafeSearch moderate ▼

About 340,000,000 results (0.09 seconds)

Advanced search

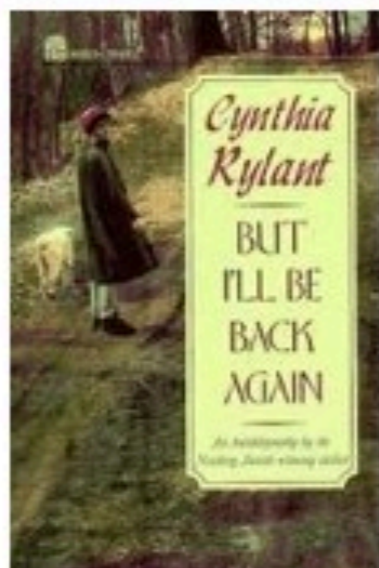
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[cute_baby.jpg](#)

520 x 314 - ... i'll be back on track really soon.

Similar - More sizes





TIME MACHINE

TIME MACHINE

- Pros

- FREE

- UI

- Cons

Atempo 

ATEMPO

ATEMPO

- Pros

- Cons

ROXIO Retrospect

RETROSPECT



CRASH**PLAN**PRO[™]
o s t o o B . e s .

CRASHPLAN PRO

CRASHPLAN PRO

- Pros

- Cons

- JAVA



PRESTORE

PRESTORE

- Pros

- Cons

- JAVA



RSYNC

RSYNC

- Pros

- Awesomeness

- Cons

- Terminal

MAXTRIX II

Solution	Local	“Offsite”	Cost
Time Machine	Yes	Kinda	BEER!
Atempo			\$\$\$
Retrospect			\$\$\$
Prestore			\$\$\$
CrashPlan Pro	Yes	Yes	BEER?
RSYNC	Yes	Yes	Time

STORAGE OPTIONS

CLOUD

DROPBOX

Dropbox

AMAZON

AMAZON

NAS

NAS REQUIREMENTS

- Storage
- Server
- Bandwidth

DAS

- Drobo
- Promise
- Active Storage

FIBER CHANNEL

- Oooohhhhhh!!!! I can use FC in documents!
- RAID
 - 0, 1, 5, 6, 10, 50, 51, 60
 - 16TB, 32TB!



OPTIONS

Devices	Costs
Cloud	???
NAS	\$\$\$
DAS	\$*Π*Apple*◇*∞

ENJOY



PEOPLE OF WALMART



ALBUM TACO



SELLECK WATERFALL SANDWICH



HUNGOVER OWLS

QUESTIONS