Speaker

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What's your plan?

➢ Raise your hand if you have a DR plan?

Where to?

AET Biomass is a leading independent engineering and contracting company supplying biomass fired boiler plants, power plants and CHP plants within Europe.

IT services are highly virtualized in a Modern Data Center. However, backup of these services were still running legacy backup software.

This session will cover the journey …

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Topics covered today

- ➢ Headaches
- ➢ Design choices
- ➢ Solutions

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Headaches

Legacy backup: Where did we come from?

Headaches

- Heavy on day-to-day management
- Status of ran jobs not trustworthy
- Agents everywhere
- Restore difficulties
- Audit requirements

Time for a change!

VEEAM
IT JUST WORKS!™

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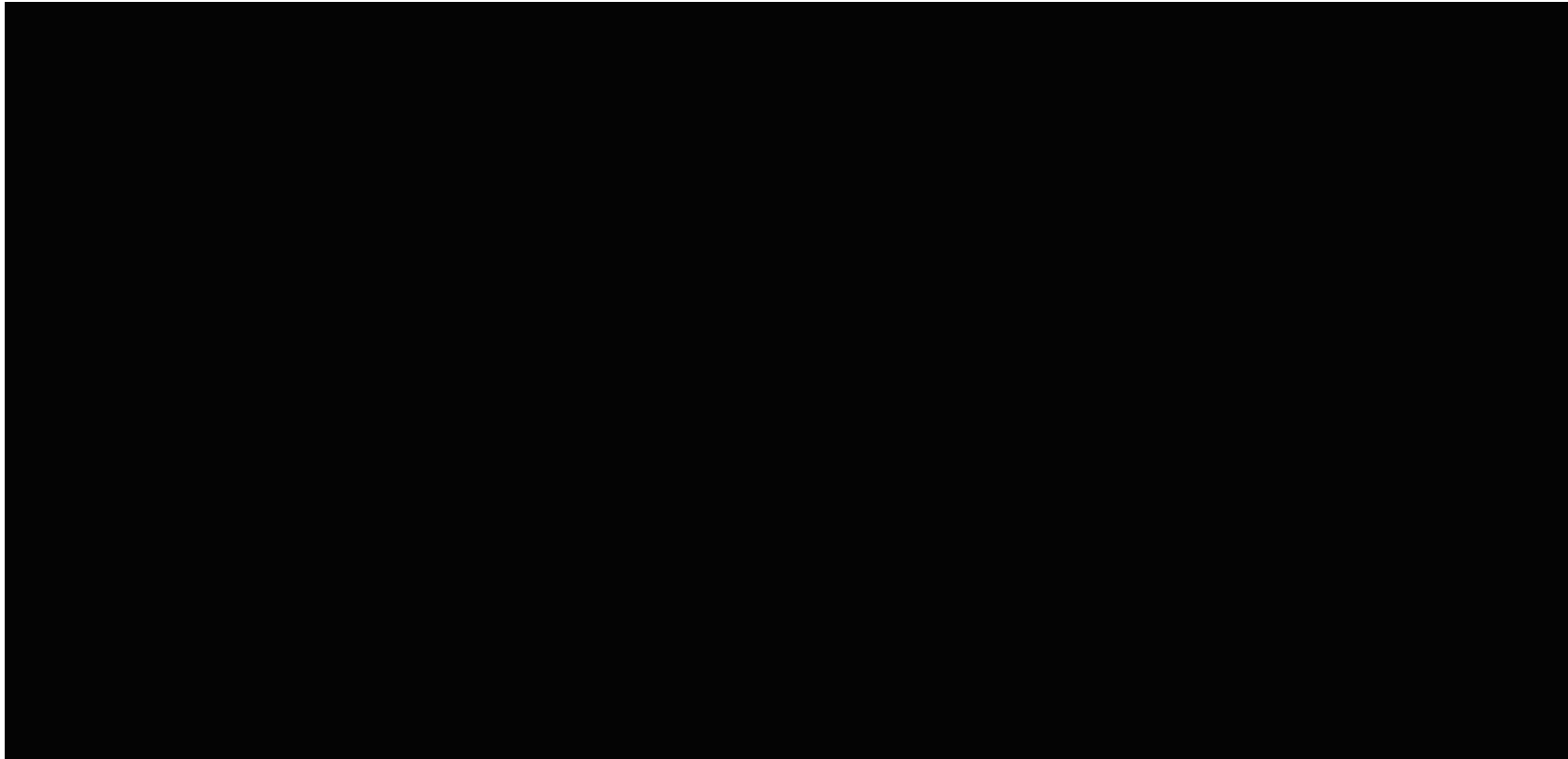
Design choices

The thought process

Pre-design choices

Expectations

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Design choices: The 3-2-1-0 Rule

"There are two kinds of people in the world — those who have had a hard drive failure, and those who will." — *Peter Krogh*

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Design choices: The 3-2-1-0 Rule

✓ One primary copy (Production)
✓ Two backup copies

DO let Veeam handle copying
Do **NOT** use storage sync mirror

CLONING
Results may vary

Design choices: The 3-2-1-0 Rule

✓ Two media types

Hard drive
Tape
Cloud
Zip disk?

Design choices: The 3-2-1-0 Rule

✓ One off-site copy

Remote backup repository
Tape (in off-site vault)
Cloud provider

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Design choices: The 3-2-1-0 Rule

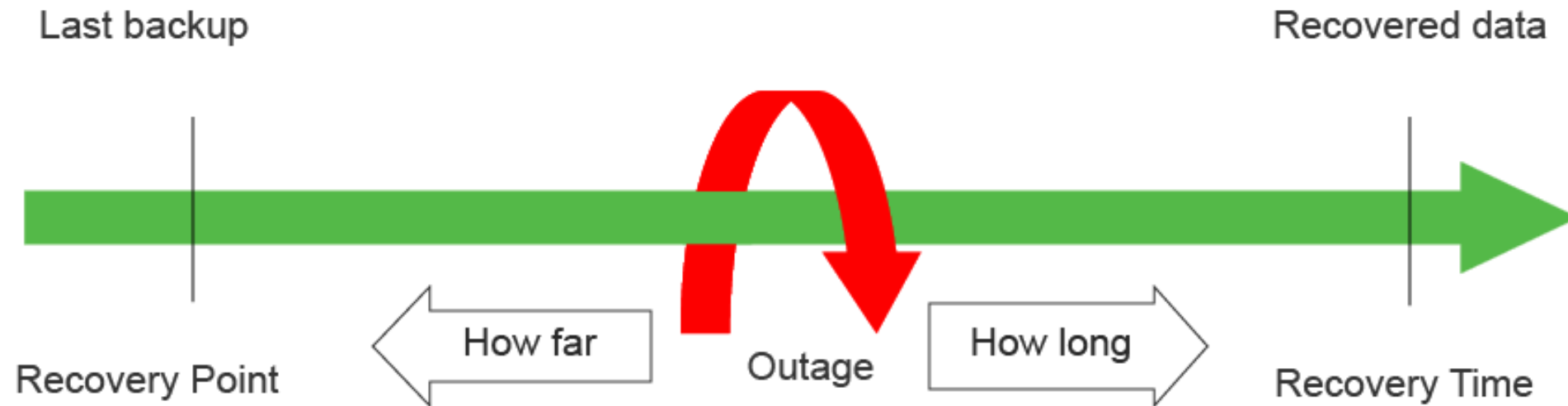*"Tradition becomes our security, and when the mind is secure it is in decay." — Jiddu Krishnamurti*

*Microsoft KB 2550978

*VMware KB 1020078

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Design choices: RPO, RTO and retention

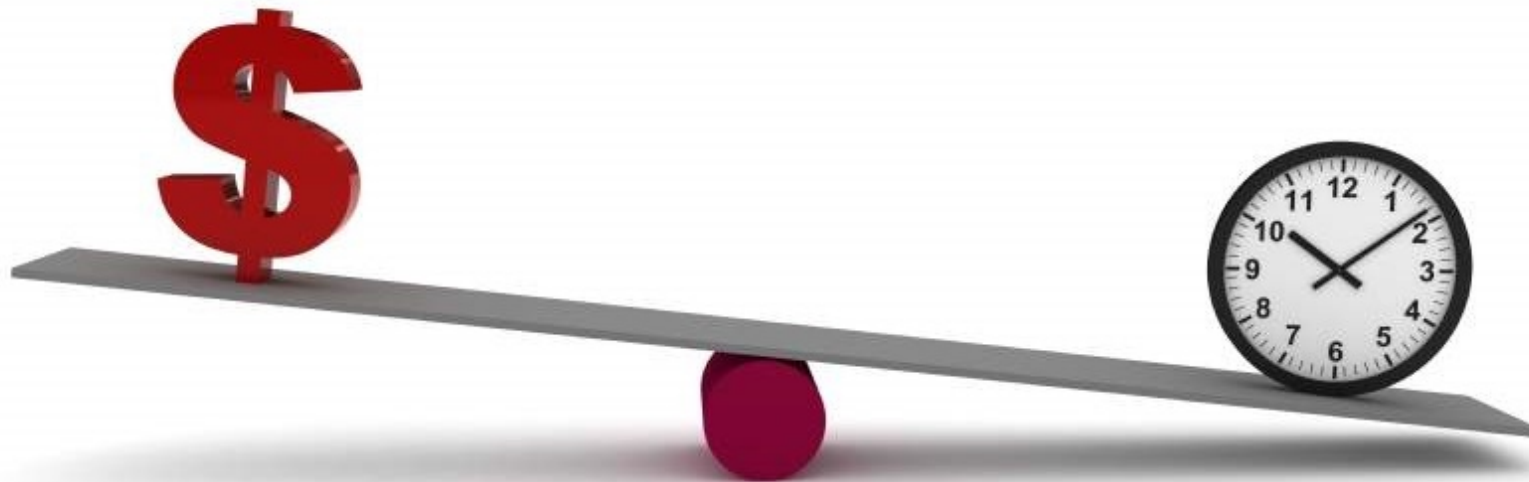Are all virtual machines born equal?

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Design choices: Protection

Physical or virtual backup server?
Backup and/or replica?
Redundancy?

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Design choices: Which license edition?

✓ Enterprise *Plus*

3-2-1: Tape (Enterprise)

3-2-1-0: SureBackup (Enterprise)

RPO: Backup from Storage Snapshots (Enterprise *Plus*)

RPO: SQL Server log backup (Enterprise)

RTO: Replication (Standard)

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Solution

What did we decide on?

Solution: Overview

Virtual Veeam management server

Backup *AND* replication

Tape library
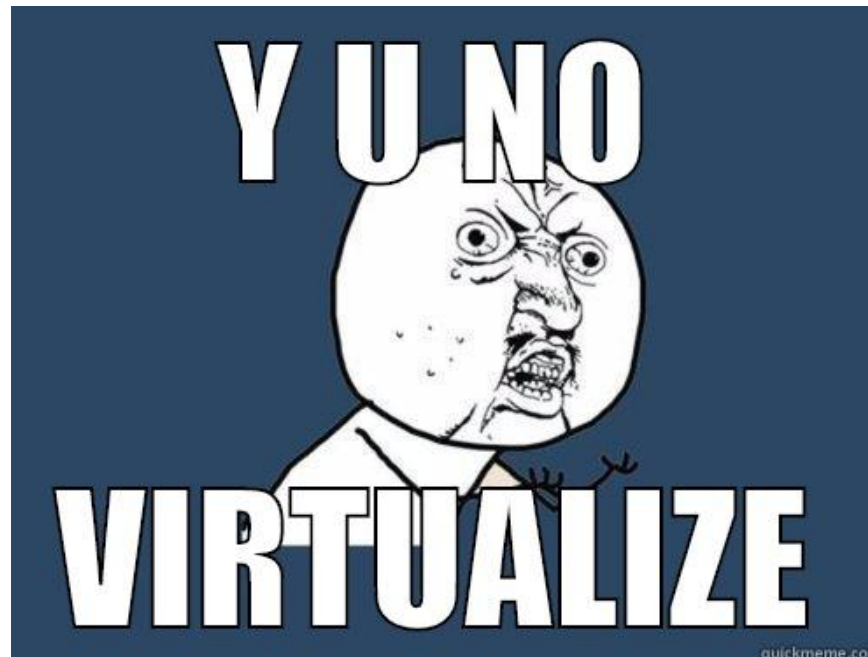
Leverage data as much as possible

Solution: Veeam management server

✓ Virtual server

Configuration backup to off-site backup repository
VM replicated to off-site VMware vSphere cluster

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Solution: Backup AND replication

Critical servers determined by management

✓File server: 1 hour RPO / 15 minutes RTO

✓SQL server database: 15 minutes RTPO™

✓All other servers 24 hours RTPO

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Solution: Tape library

✓ On-site weekly full
✓ Off-site monthly full

Thank you Veeam for v9 tape GFS!

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Solution: Leverage data

✓ Replicate from backup repository
✓ On-Demand Sandbox™

Test service packs and upgrades!

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Questions?

Feel free to reach out!

You can find me on LinkedIn & Twitter.
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Thank you!