Why Backups Rock

Because they do.

Avem date. Ce facem cu ele?

Stocare

Redundanta

Rezilienta

Disponibilitate

Evolutia stocarii

Hard disk,

Hard disk-uri,

RAID

Stocare distribuita (GlusterFs, Ceph, S3)

Dar am RAID!

No backup = FAIL

RAID = No backup = FAIL

Resiliency ~ Redundancy ~ No backup = FAIL

No restore = FAIL

Tipuri de backup

Copy / Full / Incremental / Diferential

Online / Nearline / Offline / Offsite

Dump / Snapshot / Hot / Cold

Comprimat / Deduplicat / Criptat

Problema din viata unui Sysadmin

Cloud VMs

Shared network attached storage

Commodity hardware

Solutia Inteligenta #1

High performance computing units

High capacity and low latency storage network

High capacity and performance ZFS storage
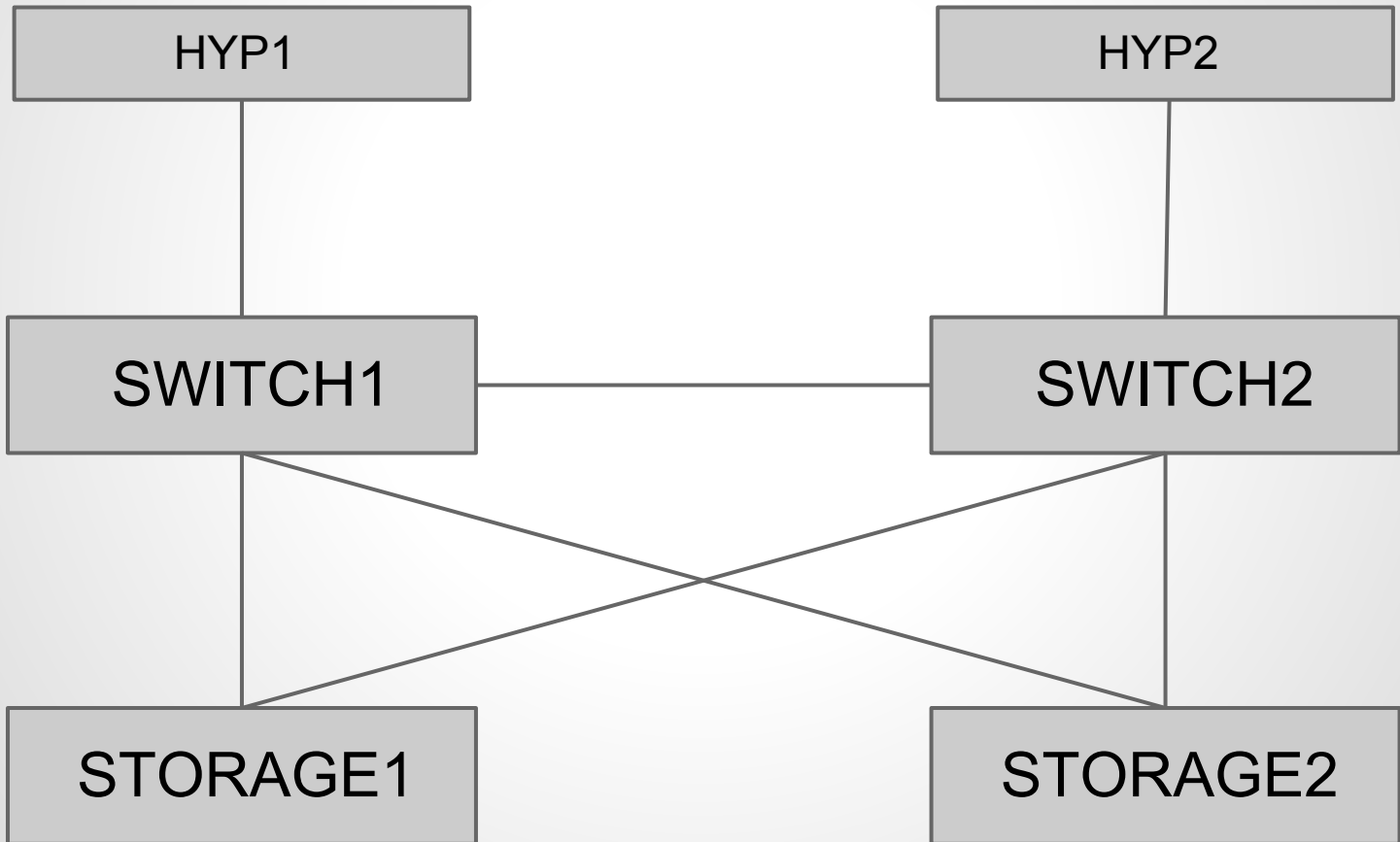
Zettabyte File System

FS + logical volume manager

Protection against data corruption

Software RAID levels

Compression

Deduplication + many others

Practica ne omoara

Intrebari?

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& rember: Jesus saves!
...but only Budha makes incremental backups.