

# Enterprise Virtualization

(On a Small Business Budget)

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Today's slides can be found at:

<http://jrs-s.net/presentations/2014-kvm/>

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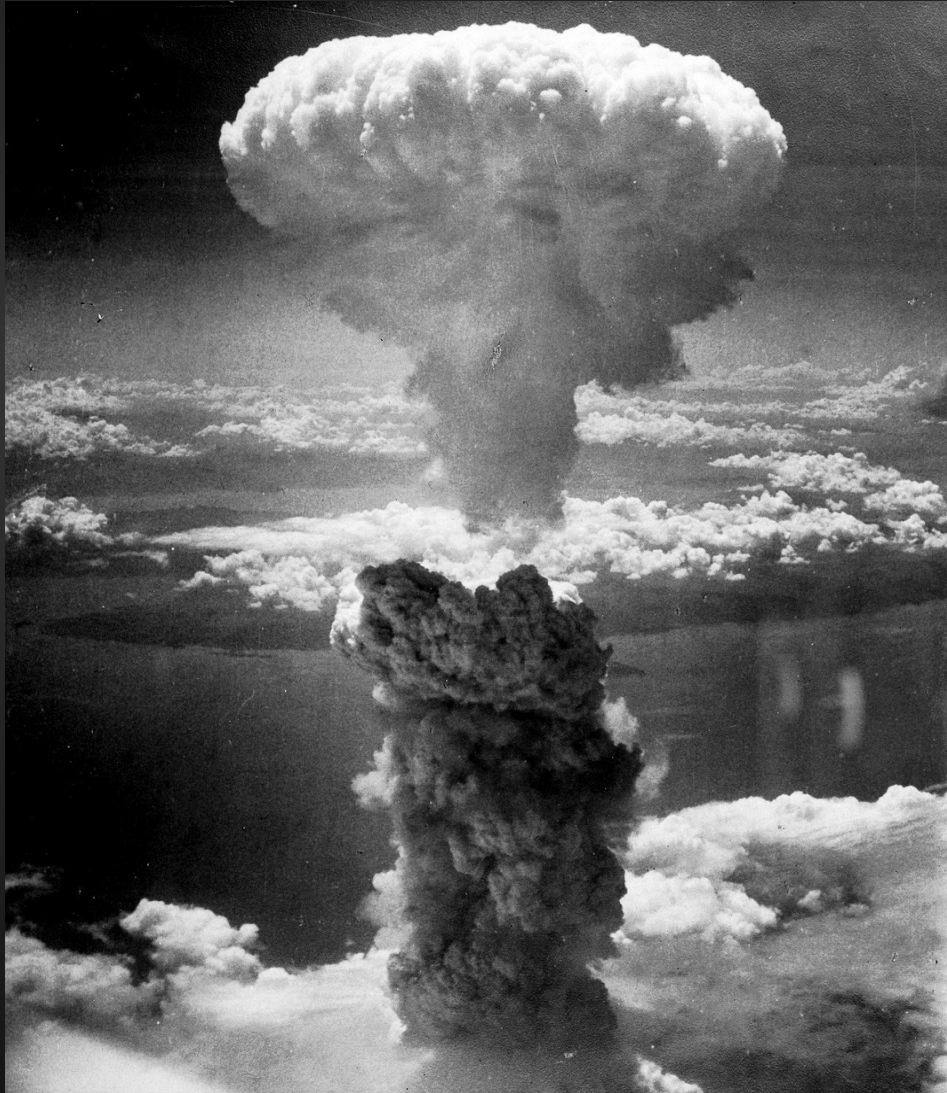
# “The IT Hero is dead.”

*-- Tim Anderson, 2002*



# Client Acquisition Process

*how IT typically works in Small Business*



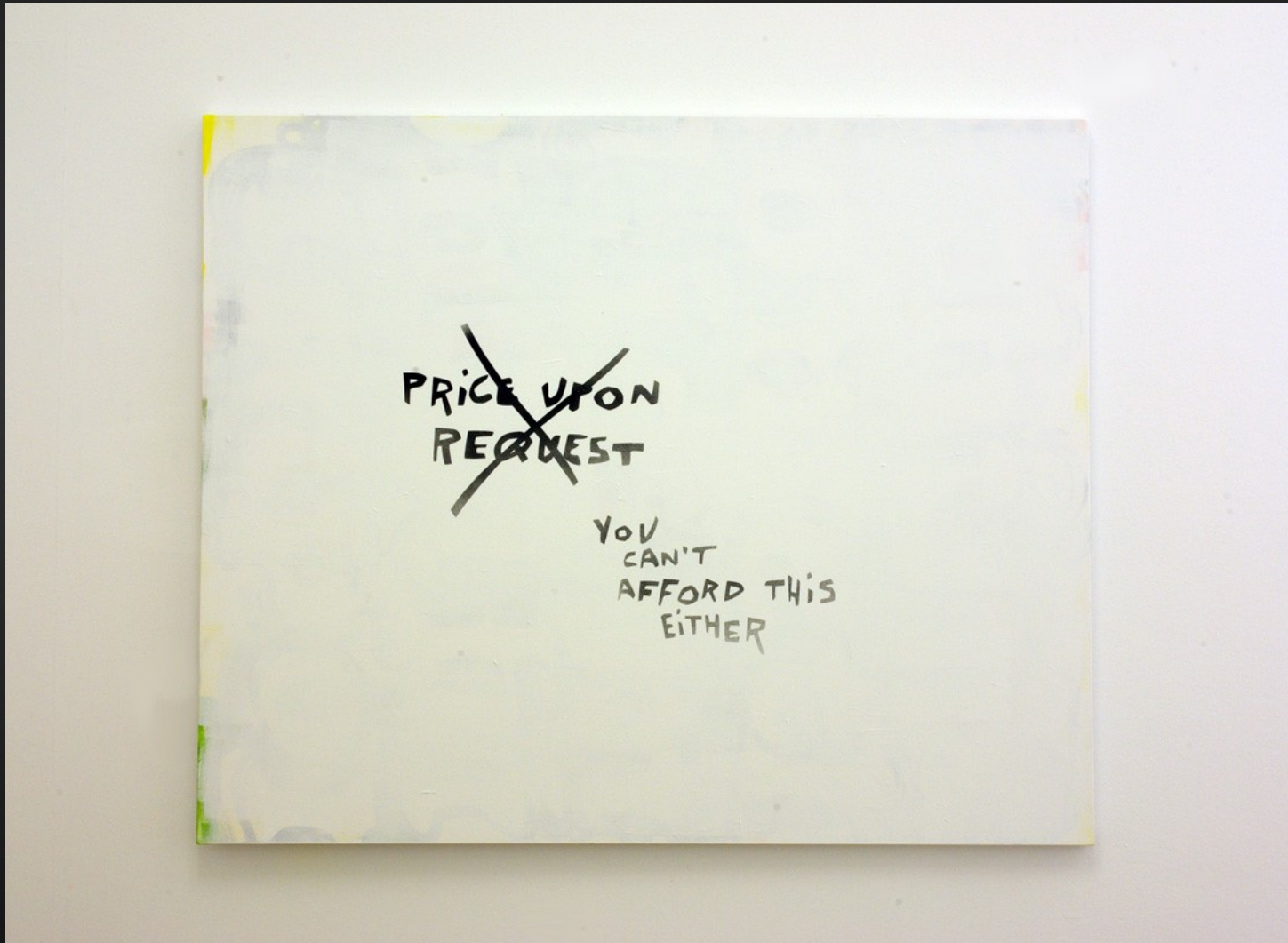
**“What's the Fortune 500 do?”**

*-- Small Business Owners, every day*



# “You can't afford it.”

-- *Small Business IT People, every day*



# “Enterprise” Features

## Which ones?

- **High performance?**

Sure – but we've always had *that*

- **Massive scale-out?**

Nope... don't need it.

- **Large IT support staff?**

No way – can't afford it!

# “Enterprise” Features

## What *do* we want?

- **Predictability**

No nasty surprises, please.

- **Minimal downtime**

*A little* is OK, though. Especially if it's scheduled.

- **Rapid recovery**

An emergency on your part does not constitute an unscheduled employee holiday on my part!

“Enterprise” Features  
**The Nitty-Gritty**

**Rolling hourly snapshots**

Policy-driven snapshot thinning



# “Enterprise” Features **The Nitty-Gritty**

## **Asynchronous Incremental Replication**

Rapid, granular, *reliable* disaster recovery

# “Enterprise” Features **The Nitty-Gritty**

**Strong hardware decoupling**

Upgrades on demand, no spare parts closets

# “Enterprise” Features **The Nitty-Gritty**

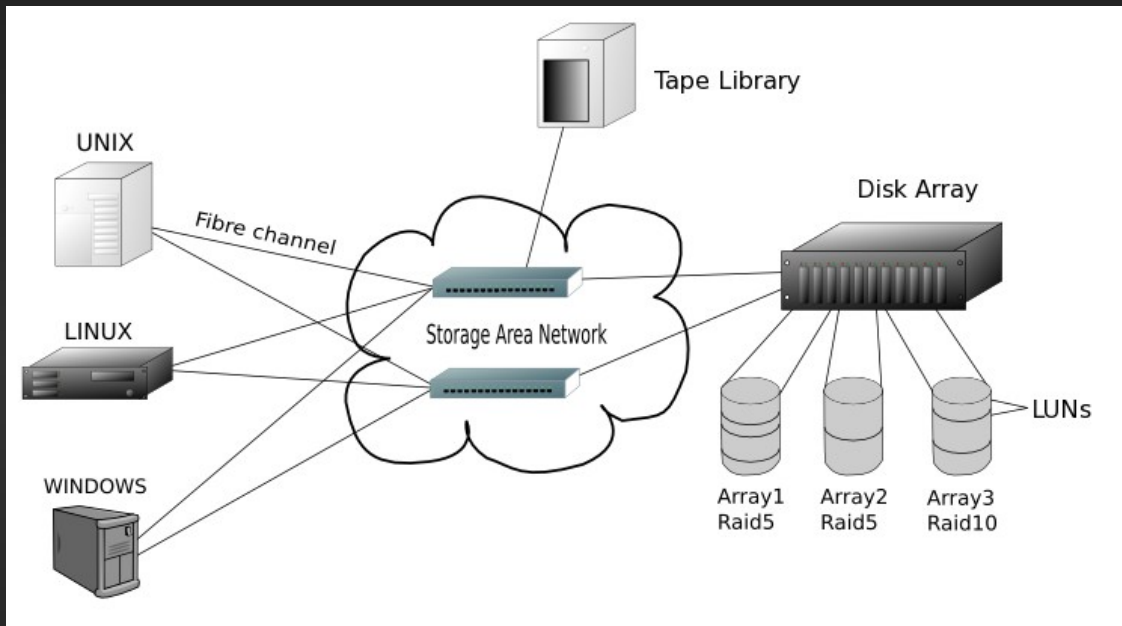
## **Automated Monitoring**

Know it's broken before the users do -

Know *what's* broken when you call them

# “Enterprise” Features

## How do they do it?



# “Enterprise” Features How can FOSS do it?

