Hard Times and New Opportunities.

Scott Wardley

Capacity Planner
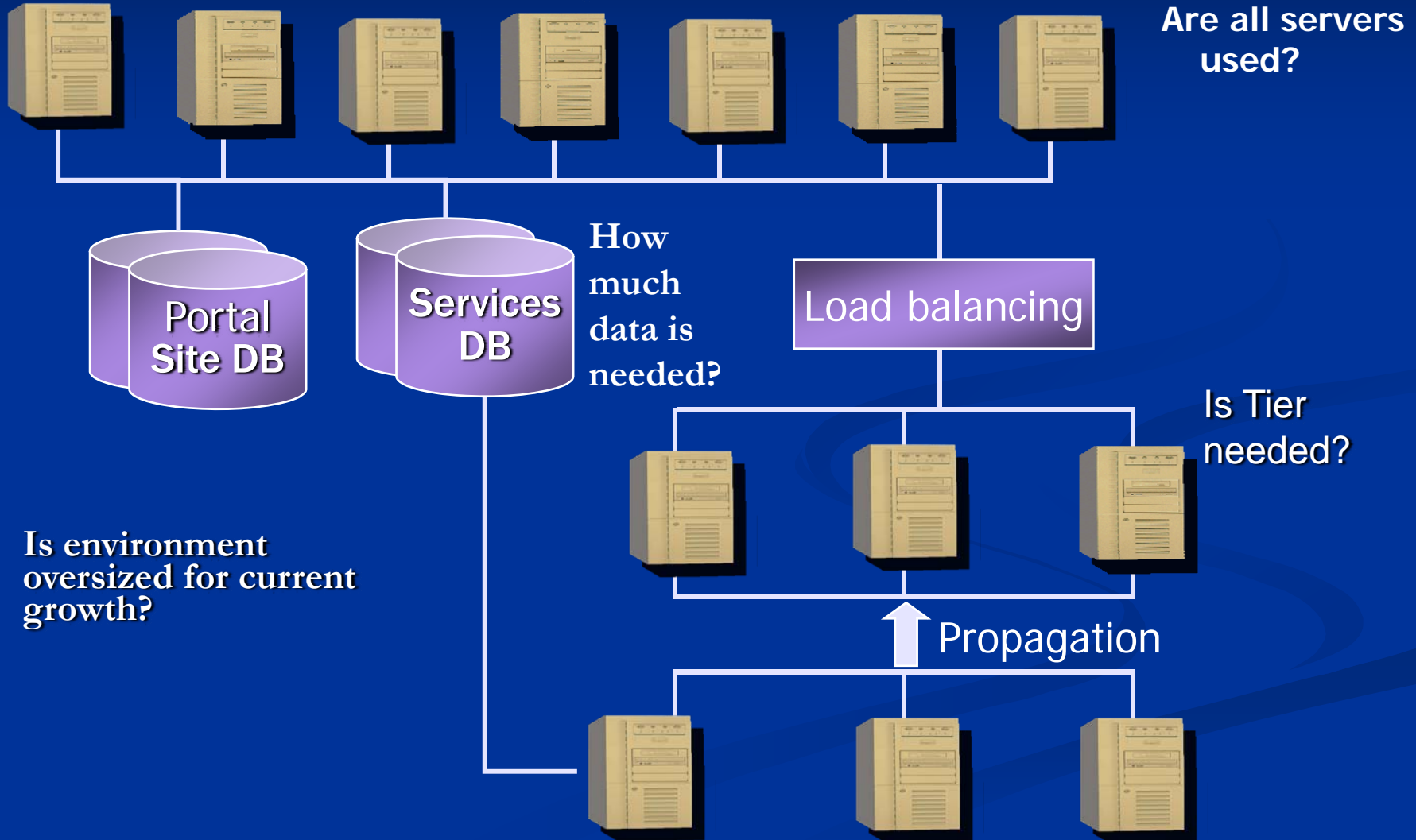
Hard Times and New Opportunities

- Economic climate has broken existing paradigms.

- Projects and Initiatives previously out-of-scope have become favourable.

- Executive Objectives now include Technology utilization reductions.

- Purchasing restrictions.

Unexpected Technology Decisions

- Turning off hardware in tiered environments to save running costs.
- Chipset validation.
- Purge data, reduce backups.
- Tuning initiatives to contain growth.
- Reduce software stack.
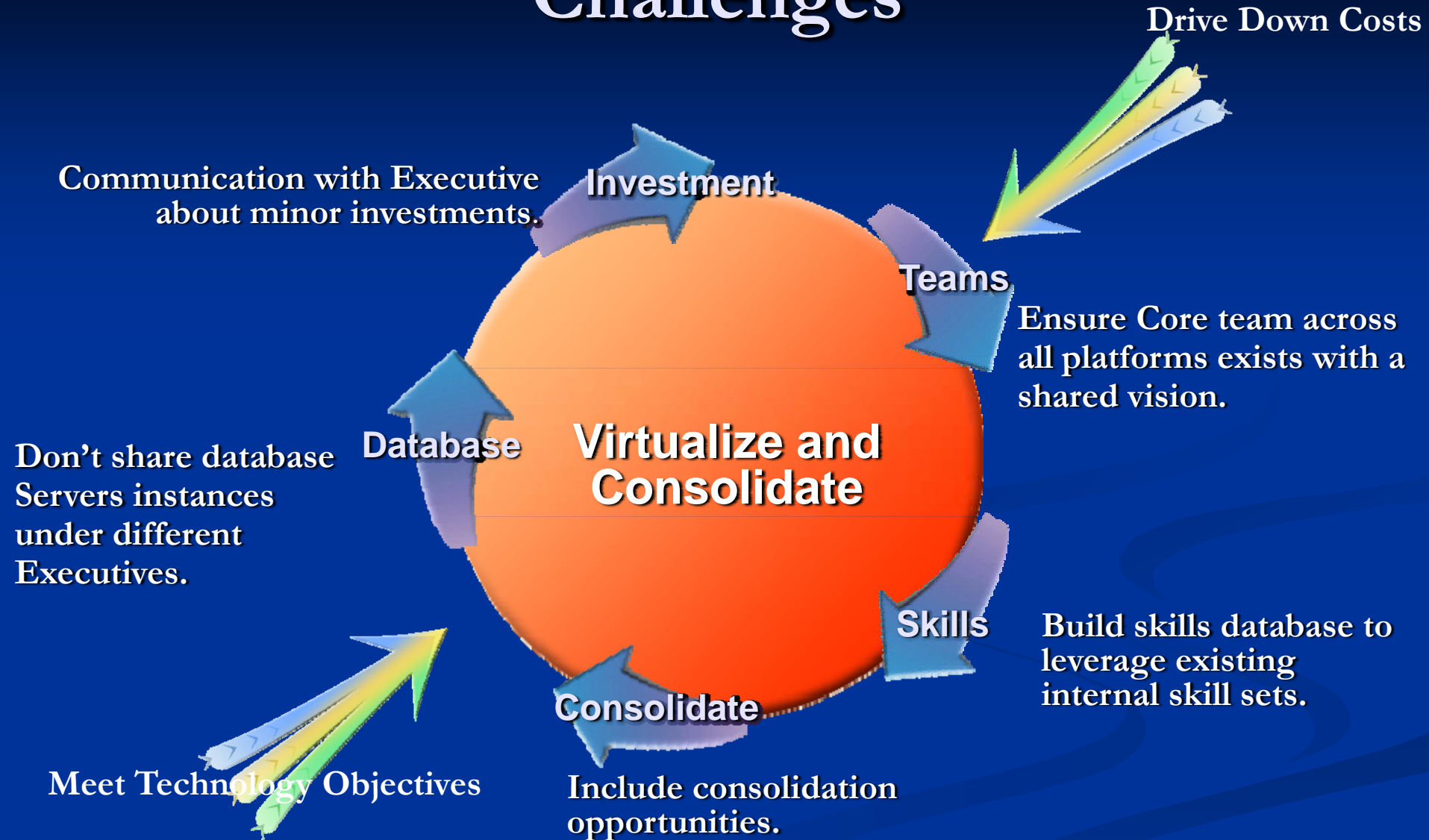- Reduced growth.

Pull Unused Capacity

Web front-ends (load balanced)

Are all servers used?

Portal Site DB

Services DB

How much data is needed?

Load balancing

Is Tier needed?

- Is environment oversized for current growth?

Propagation

How does this help us drive a Virtualization Strategy?

- Use recovered SAN.

- Select from unused hardware from Tiers.

- Reuse OS and software licenses

- Provide capacity back to tiered applications in virtual form.

- Provide a favourable cost alternative to physical deployments.

- Resolve Obsolete Hardware issues.

Challenges

Drive Down Costs

Communication with Executive about minor investments.

Investment

Teams

Ensure Core team across all platforms exists with a shared vision.

Database

Virtualize and Consolidate

Don't share database Servers instances under different Executives.

Skills

Build skills database to leverage existing internal skill sets.

Meet Technology Objectives

Consolidate

Include consolidation opportunities.

Cost ratios per Chips Type.

What are the cost ratios to run virtualization workload cost to run on different chips?

- SUN - 31
- AIX - 18
- X86 - 9

Is the RAS worth the cost for the application?

Can "Green" make a business case?

- 5 to 8 year recovery on power is a hard sell if you factor in Man Days for migrations. Drive out with P2V on X86. Look at Platespin.

- Need to focus on total costs with focus on reoccurring Software licensing as it's more immediate to P&L.

What to do first?

- Inventory.

- Ask the vendors for a site review.

- Get server failure metrics to understand impact of pain points.

- Maybe do nothing.

Thank you.

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Scott.Wardley@sc.com