



The Next Generation Data Center Architecture:

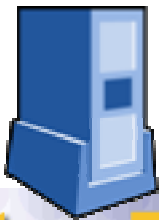
What matters?



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Inkra Networks

Integrated Management Suite



Center Point

- Center Point Server
 - Web
 - CLI
 - SOAP/XML

Virtual Service Switches



- Inkra 4000
 - Highly scalable
- Inkra 1500
 - Low cost

Virtual Service Modules



- Security
 - Firewall, VPN, SSL, Intrusion detection
- Performance & Biz Continuity
 - SLB, Global SLB

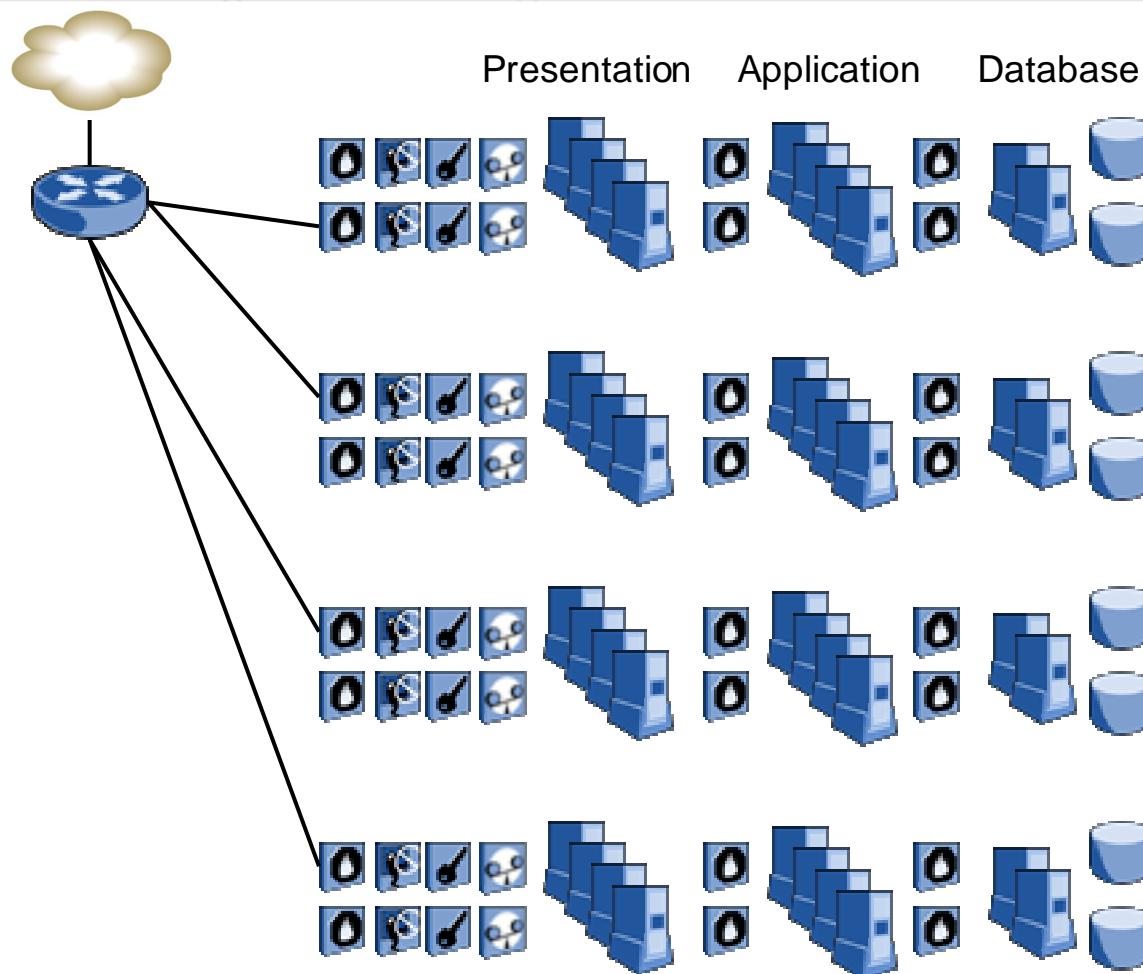
Carr, In a Nutshell

- Carr's argument:
 - Technology is becoming commoditized
 - Commodity technologies are available to all competitors and therefore don't "make a difference"
- Carr's recommendations:
 - Spend less
 - Follow, don't lead
 - Focus on Vulnerabilities, not Opportunities
- Translation: Everybody has it and the world expects it, so don't spend a lot and focus time/energy on avoiding screwups

Goals for the Next Generation Data Center

- Or “Why the next generation data center matters...”
- Goals
 - Reduce cost structures dramatically through resource pooling and virtualization
 - Increase uptime by reducing component count and providing a highly automated environment
 - Adapt to changes as the business evolves without huge time and effort

Yesterday's Data Center



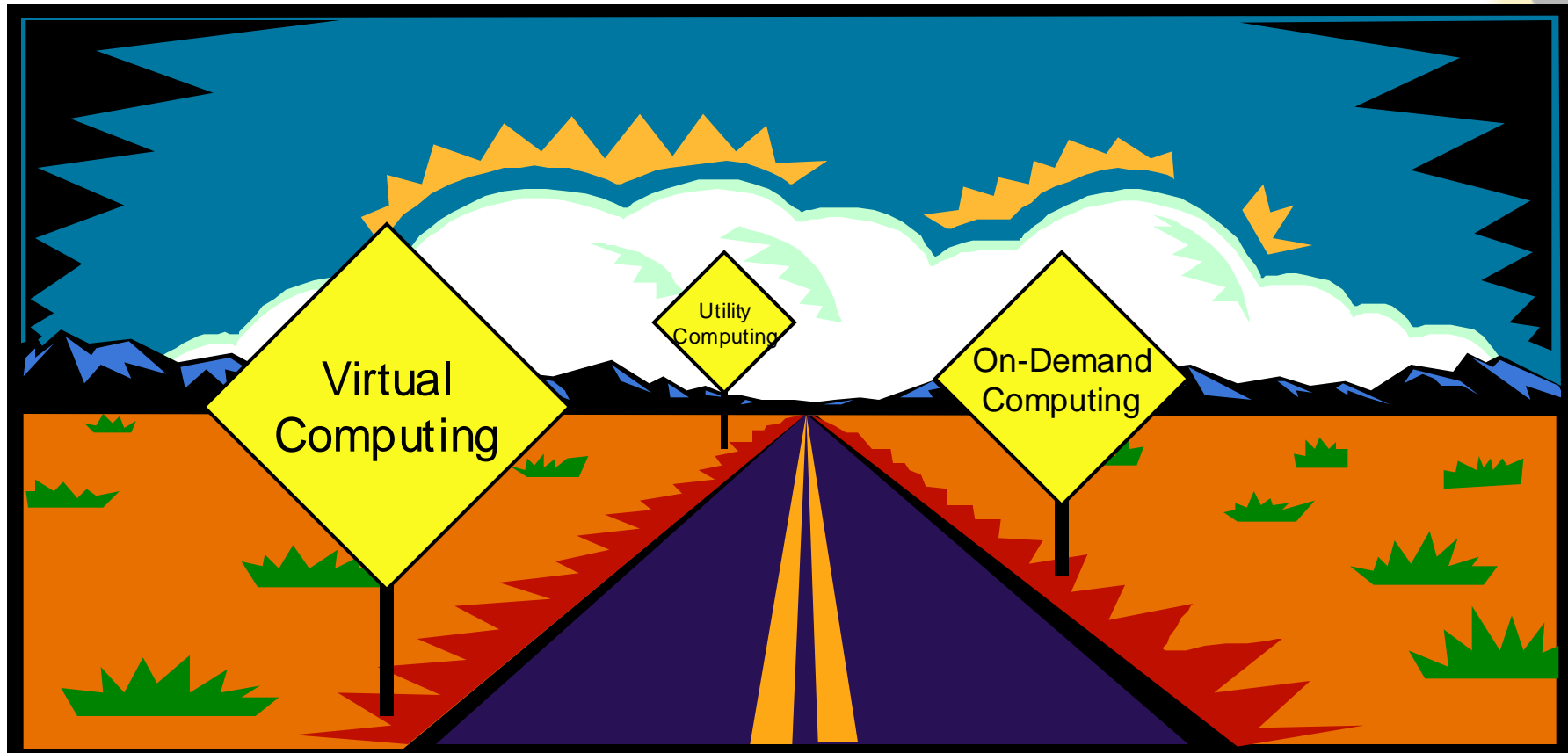
A swarm of devices for each application...

Multiple similar applications per data center...

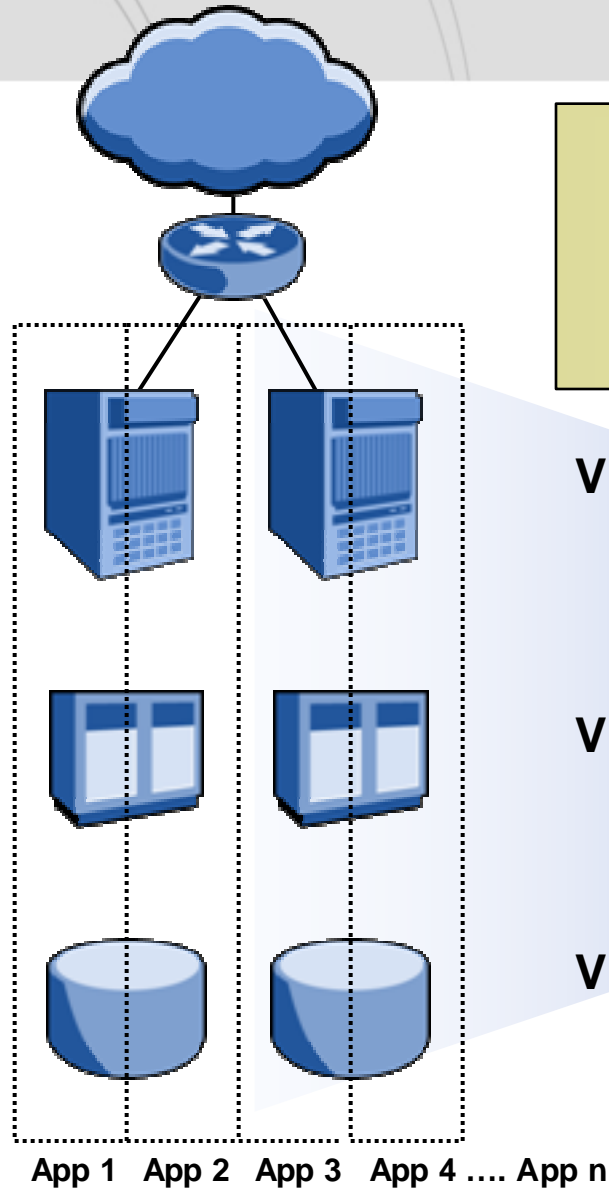
Means hundreds, even thousands of devices per site.

Adding a new application means buying and configuring it all over again.

Computing Evolution: The Road Ahead



The Next Generation Data Center



- Fully virtualized. Increased asset utilization. Lower costs.
- Automated. Reduced costs and downtime.

Virtual Network Services

Virtual Compute Pool

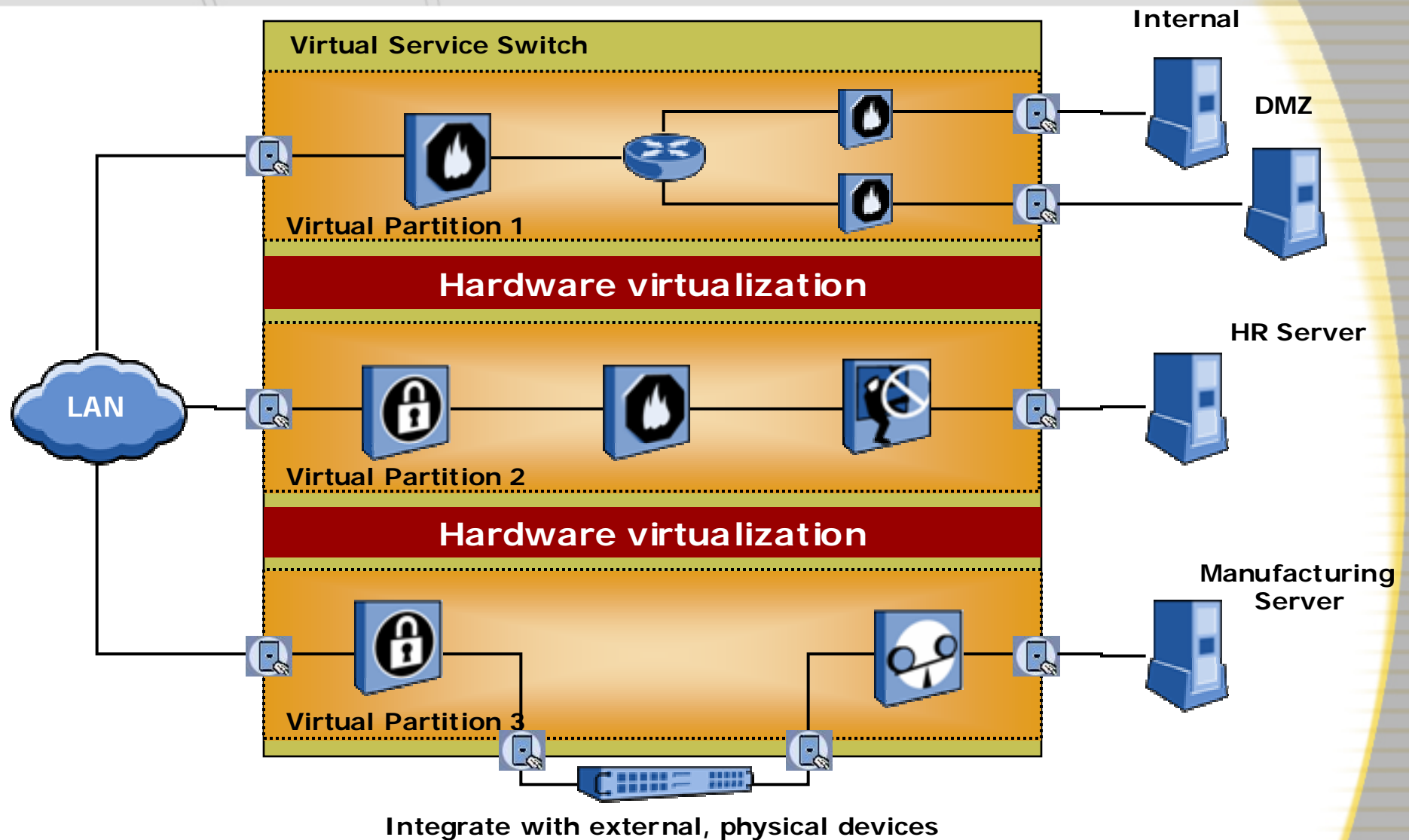
Virtual Storage Pool

Question

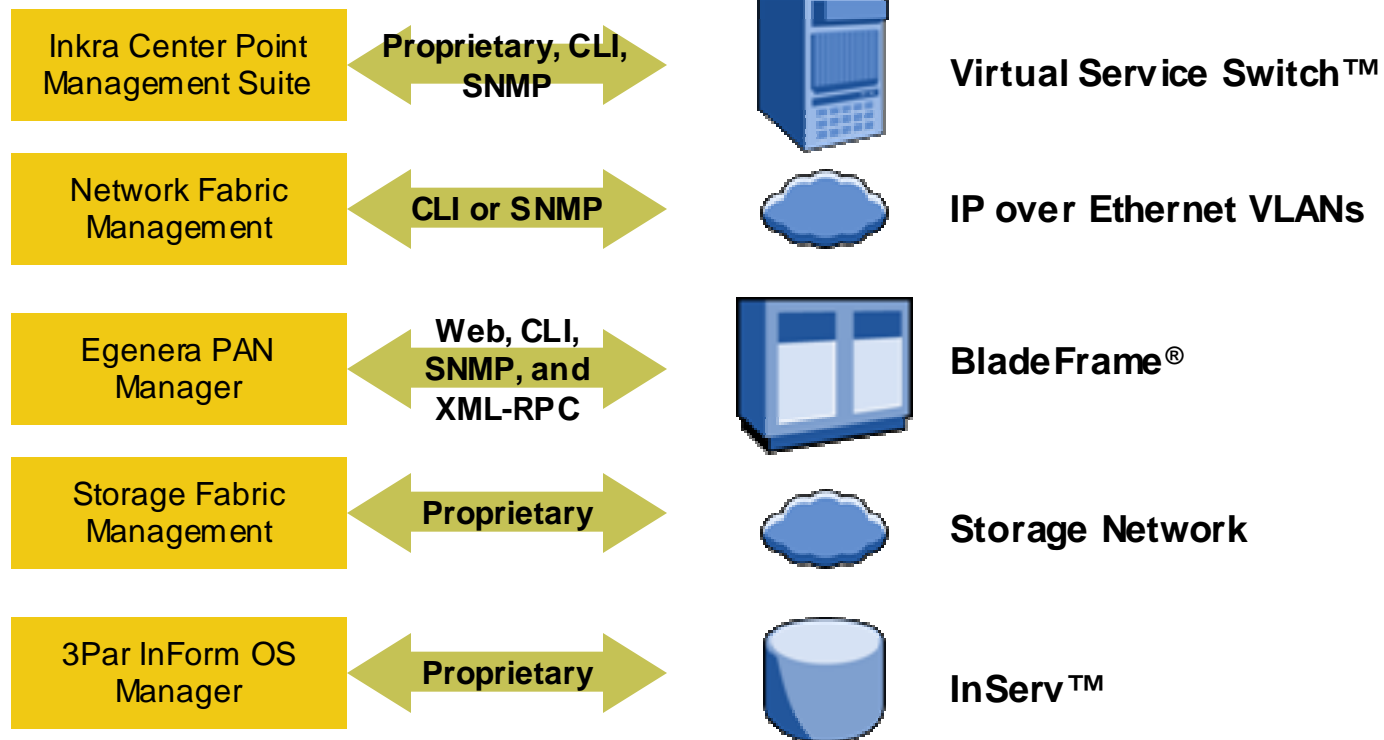
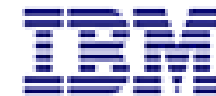
How much time do you spend recovering from mistakes performed in routine tasks?

How many of those tasks could have been automated?

Virtualization provides software configurable resources

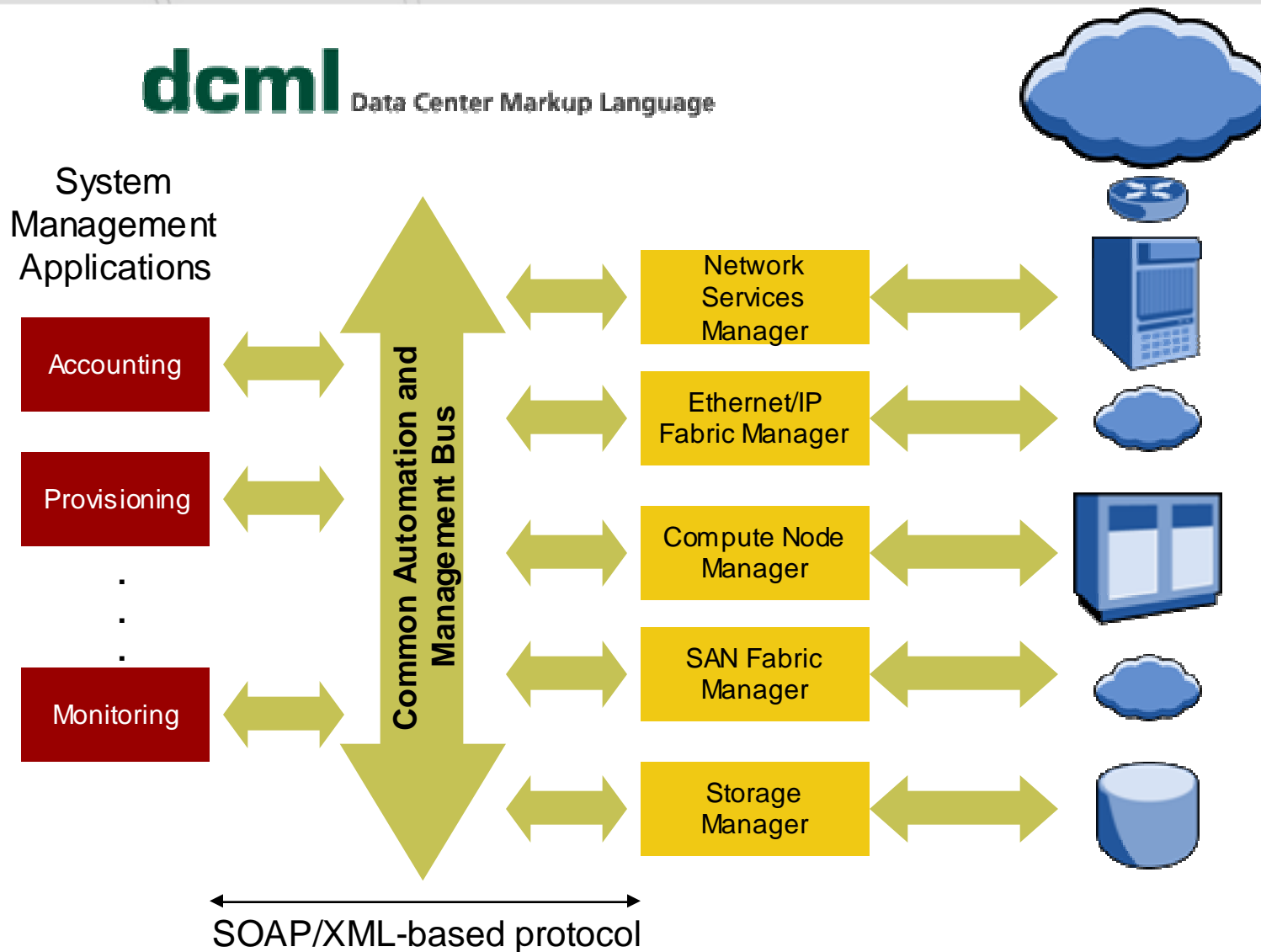


The Next-Generation Data Center, Arriving Today



Tomorrow's Virtualized, Automated Data Center

dcml Data Center Markup Language



Summary

- The next generation data center is all about reducing costs, improving availability, and increasing flexibility
- Virtualization provides a foundation.
 - Lower capital spending.
- Automation provides much of the operational benefit.
 - Lower operational cost.
 - Improved uptime by reduced error rate.