



# Manage, Protect, and Grow your Network with Virtualization

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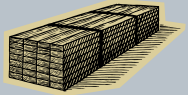
# Virtualization

- What is it?
- What can be virtualized?
- Why should I use it?
- How does it fit into my network?
- How will it save me money?
- How will it save me time?

# What is Virtualization

- I keep hearing the term, but what does it mean to me?
- Where is virtualization in the acceptance curve?
  - CDW recently stated that 90% of businesses surveyed have implemented virtualization at some level.
  - Gartner states as of Oct '09, 16% of server workloads were running on VMs. By the end of 2012 the number will exceed 50%
  - 25% of all statistics are made up
- Day to day example

# Virtualization





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# What Are The Different Types Of Virtualization

- Server
- Desktop
- Application

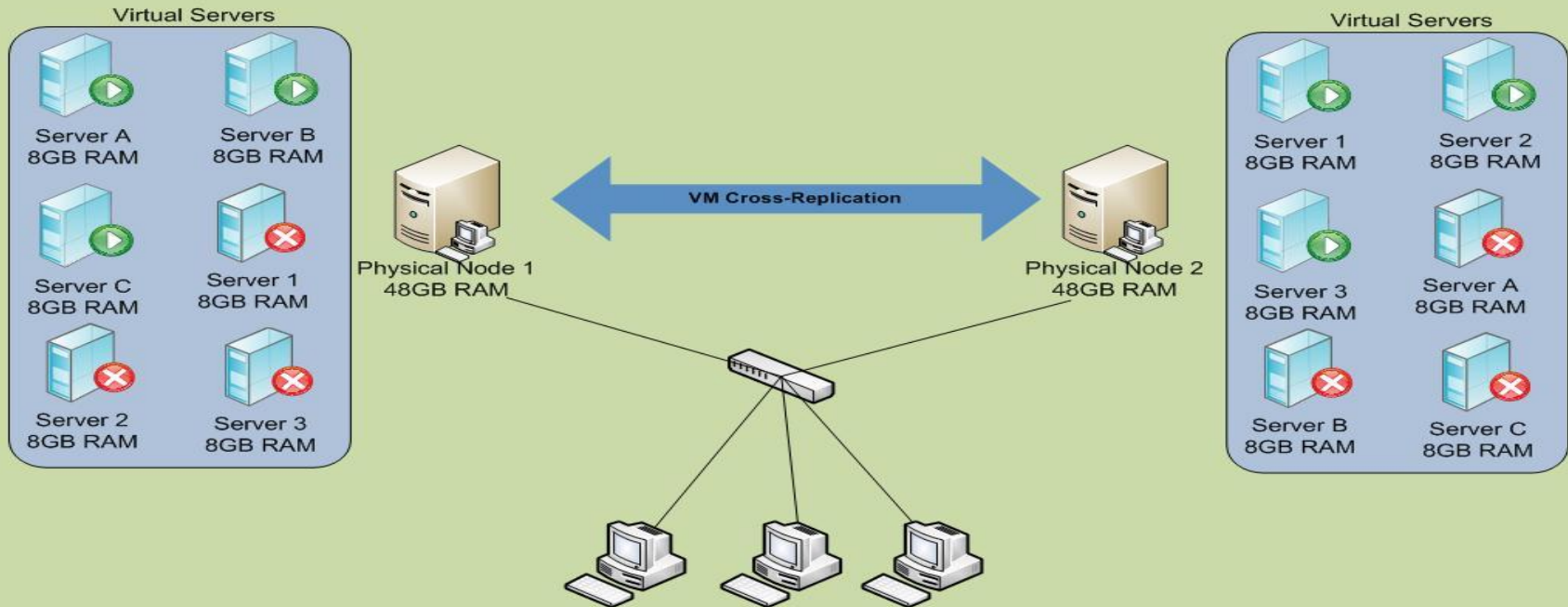
# Terms To Know

## Common Terms

- Hypervisor
- VMWare
- XENServer
- Hyper V (The WSUS of the hypervisor world)
- VDI
- Citrix
- Thin Client
- N+1
- Shared storage/ SAN

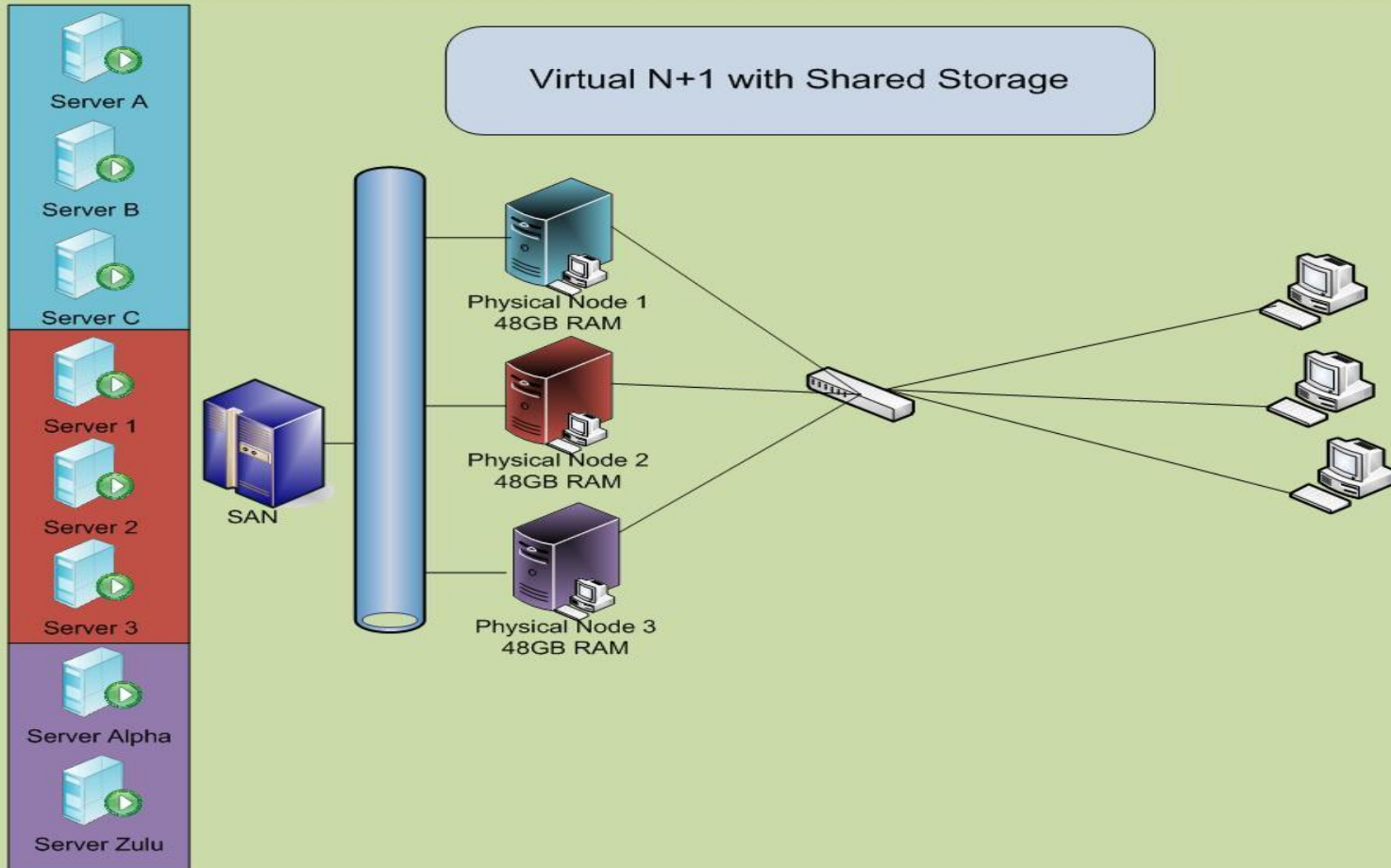
# Basic N+1

## Basic Virtual N+1 Setup

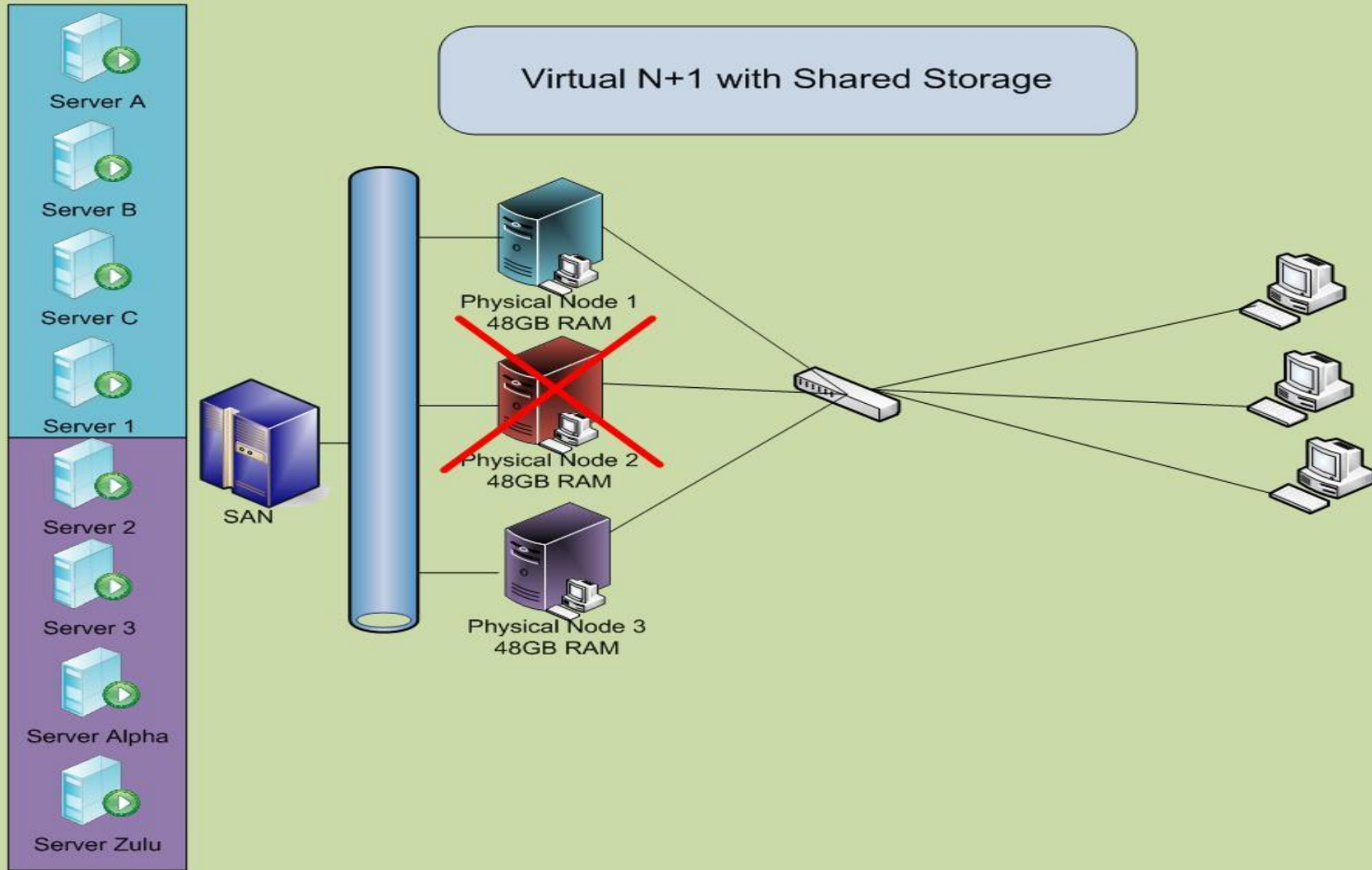


# Shared Storage

## Virtual N+1 with Shared Storage



# Failover Scenario



# Why Should I Use Virtualization?

- Flexibility
- Continuity
- Scalability
- Efficiency
  - CIO.com states that the average enterprise uses between 5% and 25% of their server capacity
- Manageability

# How Does Virtualization Fit Into My Network?

- Small networks
- Large networks
- BCP/DR Plan
- Core/ banking software vendor view of VMs



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# How Can Virtualization Save Me Money?

- Short term
- Long term



# How Can Virtualization Save Me Time?

- Faster recoveries
- Ease of growth
- Shorter testing
- Improved maintenance options
- Server upgrade/ replacement



# Questions

- Questions?