Nutanix: bringing compute and storage together

Mohit Aron, Co-founder & CTO



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Famous quote from 1990s

"It is faster to fetch data from across the network than locally"

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Change in hardware trends

- A single SSD can deliver more than 10 Gbps
- Simple RAID configurations can deliver phenomenal bandwidths
- End result: network speeds now lag behind disk speeds
  - Either use non-commodity expensive networking
  - Or migrate storage closer to applications

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The Nutanix solution

- Appliance consisting of cluster of high-end commodity nodes
  - Distributed, incrementally scalable
- Storage lives inside the same nodes that run applications
  - No need for centralized storage (SAN or NAS)
- Virtualization provides separation
  - Applications and storage software run inside VMs

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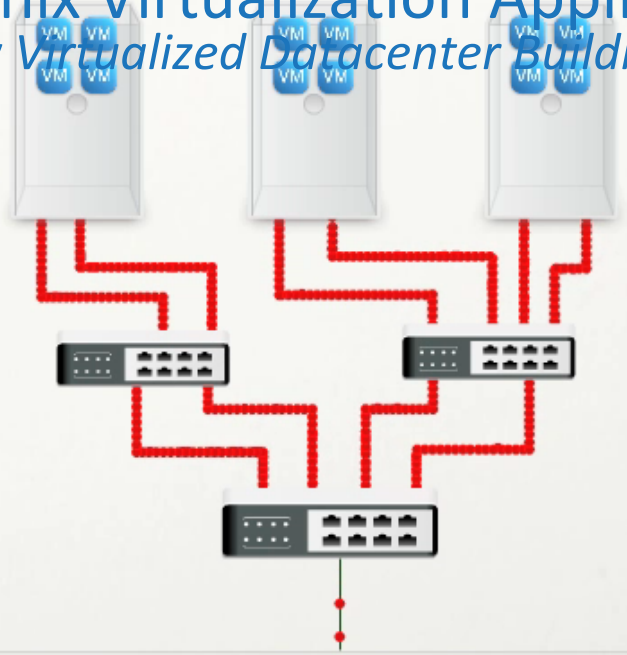
Triggering Consolidation 2.0

Converging Application Servers and Storage Servers

Nutanix Virtualization Appliance

The New Virtualized Datacenter Building Block



- It's not storage rather a **virtualization** appliance
- Think **server-attached** FusionIO+Seagate storage delivering a **true** NetApp experience for **local** VMs