COMPUTERWORLD SNIA

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# Transforming the Information Infrastructure: Build, Manage, Optimize.

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# Create Your Own Private Cloud to Help You Sleep At Night

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# Birth of an Infrastructure Project

- Disaster Recovery/Business Continuity initiative meets SAN/Virtualization Upgrade
- Previous model (basic DR/secondary site) was not practical.
- Production datacenter showing signs of age
    - No redundant power or AC
    - Power and cooling density were based on late 80’s model.

# Justification

- Account for existing DR and BC pain points.
  - Explain what backup tapes can & can't accomplish (especially without virtualization).
- SET EXPECTATIONS WITH THE BUSINESS!
- Ensure that the results are measurable (power, maintenance, and other savings are easy targets)

# Design

- Impact of network changes – can your systems tolerate them?
  - Functionality
  - Licensing
- You are no longer onsite – OOB, DRAC, SmartHands, etc. are your lifeline.
- Ensure you look at latest technologies.
- Replication will be multi-dimensional
- You are paying for rack space. Strive for optimal density.
- Don’t forget about backup. It’s still needed.
- Ensure tolerance from all types of failures (chassis, blades, networks)

# Choosing the Optimal Datacenter Provider

- Power Resiliency
- Power Flexibility
- Attitude
- Security
- Additional Connectivity Options
- Existing Carrier Support ($ Savings)
- Smart-hands services
- Cross-connect fees
- Cloud > 1 Datacenter
  - Power Grid Concerns
  - Distance between sites
  - Regulatory concerns

# Integration Partner Requirements

- Previous Build Experience
- Creativity & Flexibility
- Vendor Relationships
- Attitude

# You have the money, now what?!

- Maintenance begins with purchase, or does it?
- Make time to inspect all boxes and perform cursory testing when possible.
- There can be only one . . . .integration team.
  - Do not attempt to defeat fundamental laws of physics
- Test Early, Test Often
- Watch out for secondary design changes.

# Migration

- P-V first where possible
- Moving van vs. car trips
  - Carefully analyze impact to multi-tiered/headed platforms.
- Master your core first (especially with new equipment).
- Project Manager(s) are the lynchpin of success.

Don’t forget to check for the appropriate insurances!

# Clean-Up/Follow-Up

- Don’t let stray configurations fester
- If older systems remain in the legacy datacenter(s), set expectations with business on ROI/ROA slippage.
- Don’t let the integrator leave without solid documentation.

# Q&A