

# Virtualization in the Real World: Mitchell 1

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*The First Choice of Automotive Professionals*

- Automotive and Truck Shop Management Software and Repair Information
- Founded in 1925
- Headquarters in San Diego, CA
- 500 Employees
- Recently Convert from Print Manufacturing to Digital Publishing & Web Based ASP Systems

# Mitchell 1 Challenges

- Multiple legacy storage arrays
- 375% Growth in Systems/Data Stores with no Increase in Sys Admin Resources
- Greater Storage Requirements to Production, with Greater Production Diversity
- Shortened Time-to-Process Requirements
- Wholesale File Fragmentation Issues
- Limited Budget/Resources

# Knew We Needed To...

- Simplify Storage Infrastructure
- Reduce Complexity & Lower TCO
- Create Agnostic Management with Sympathetic Pass-Through Functionality
- Decentralize Storage Type Systems while Centralizing Management
- Grow by the Bite Instead of the Gulp!

# The Hitachi Data Systems Solution

- Deployed Hitachi Data Systems:  
NSC55 Leverage Storage  
Virtualization Services
- Created Filer (NAS) Arrays
- Created Tiered Storage
- Reduced Direct Attached Storage to a  
Minimum
- Employed Single Management  
Interface



# Benefits to Hitachi Data Systems Solution

- Virtualization: The Right Storage for the Right Data
- Reduced Costs by >\$25,000 per month
- Data Can be Place Anywhere in the SAN
- Reduced Copy-to-Repopulate Functions
- Controlled/Reduced Fragmentation Domains
- Transfer Speeds between Hosts Minutes vs. Hours
- Dashboard control over Enterprise, not Just Individual Devices

# Bottom Line

- Plan for Simplicity
- Divide and Conquer
- Build for Today, It Will Become Tomorrow!
- Pay As You Go
- Let the Vendors Gather! Storage=Storage
- One Dashboard Fits All
- Virtualization  $\neq$  Virtualization

# Questions?