

#### **Centralized Storage Plan**

Sufficient Evidence Pointed to Litigation Firm's Need for a Consolidated Storage Solution

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# **Company Overview**

- National litigation law firm founded in 1975
- Headquartered in Washington, DC
- 5 east coast offices
- Range of practice areas including
  - Commercial law
  - White collar crime
  - Goverment ethics
  - Securities
- Finalist in Litigation Boutique of the year by the American Lawyer
- Centralized IT staff



# **Technical Challenges**

- Storage proliferation
- Litigation data growth rates
- De-centralized data environment
- Local redundancy with tape backup only
- Management challenges of large infrastructure with limited staff
- Increasing difficulty meeting backup windows
- Firm looking for BC/DR protection



#### Infrastructure Crossroads

- Equipment due to go back on lease
- Current design increasingly difficult to sustain
  - Cost vs utilization
  - Physical space
  - Environmental concerns
  - Administrative requirement for local and remote infrastructure
  - Green initiative



#### Our Approach DAS vs. SAN

- Direct attached storage
  - Silos of storage
  - Inefficient storage utilization
- SAN centralized storage
  - Rapid scalability
  - Centralized management
  - Inherent redundancy
  - Future proofing



#### Our Approach Virtualization

- Common pool of computing resources
- Higher utilization of more robust resources
- Reduced physical footprint
- Centralized management
- Large advantages in SAN environment

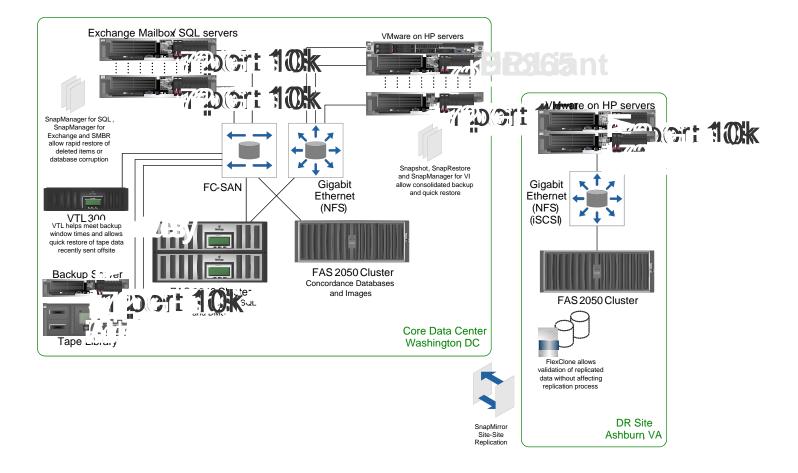


### **Our Solution**

- SAN centralized storage
- Virtualization
- Virtual Tape Library



# Technology Overview





# SAN Centralized Storage

- Consolidate file services
- Single shared pool of resources with redundancy
- Simple management console
- Consolidation of email resources
- Scalable storage options to meet litigation data demands



#### Virtual Infrastructure

- Centralized storage means added protection from host system failure
- Clustered host functionality
- More efficient utilization of equipment
- Administration from unified console
- Rapid virtual server deployment
- Reduced downtime



## Virtual Tape Library

- Faster backups to disk-based storage
- Ability to off load backup data to tape anytime
- Reduction in requirement to retrieve offsite tapes equating to cost savings



### Added Benefits

- Ease of lease returns
- Unified SAN administration
- Increased UPS runtimes
- Minimal remote infrastructure
- Development / testing environment similar to production
- Increased Server Performance
- Snapshots
- De-duplication



# **Business Continuity**

- Site-Site replication
- High availability with SAN cluster and redundant VMware hosts
- Snapshots and replication insure 2-hour RPOs
- WAN acceleration dramatically increased replication throughput



## Summary

- 99.99% uptime for critical applications
- 24x7 availability of MS Exchange
- 95% reduction in RTO, < 2-hour RPO guaranteed
- De-duplication reduced litigation storage by 35% and VMware by 68%
- 30% decrease in data center footprint



# Wrap Up

- What would we do differently
  - Get Virtual servers at same time
  - Explore SAN options thoroughly at purchase time
  - High-performance network infrastructure required
- Questions?