

TOTAL COST OF OWNERSHIP OVER 3 YEARS

Windows Server 2003 Savings	Red Hat Linux	Windows Server 2003	Key Savings
Total: \$1,048,751	Total: \$1,606,671	Total: \$557,920	<p>In your Windows and Linux analysis, you stand to realize the greatest cost savings in the Personnel category. This savings of \$465,424 is a result of managing fewer Windows/Intel servers that each handle more of your overall processing load. Additionally, you stand to save \$170,687 in Support costs. This is primarily due to lower Windows Server 2003 operating system support needs giving you lower costs of \$3,767 in year 1, and \$5,213 in the final year of your analysis.</p>
<ul style="list-style-type: none"> ■ Servers (\$23,912) ■ Software (\$131,020) ■ Storage (\$168,540) ■ Network (\$14,070) ■ Services (- \$16,336) ■ Facilities (\$18,671) ■ Training (\$108,196) ■ Personnel (\$465,424) ■ Downtime (- \$35,434) ■ Support (\$170,687) 	<p>TCA: Acquisition \$0.71 m</p> <p>ACO: Ongoing \$0.89 m</p>	<p>TCA: Acquisition \$0.28 m</p> <p>ACO: Ongoing \$0.27 m</p>	
<ul style="list-style-type: none"> ■ Acquisition: \$.43 m ■ Ongoing: \$.62 m 			

RESULTS SUMMARY

Category	Red Hat Linux	Windows Server 2003	Assumptions
Consolidation Strategy	Single workload consolidation	Single workload consolidation	Failover cluster, scale up over time
Existing Servers	0	0	Purchase new hardware
New Production Servers or IFLs	22	2	Linux: 22 images Windows Server 2003: 2 images
New Non-Production Servers or Virtual Machines	1	0	Linux: 1 image Windows Server 2003: 0 images
Storage Cost \$ /MB	\$0.54	\$0.21	500GB RAID5 in a Fibre Channel SAN
IT Staff (FTEs)	1.80	0.4	Linux: 12.8 images/FTE Windows Server 2003: 5 images/FTE
System Availability	99.992%	99.994%	9x5 hours of operations \$1,568 per minute of downtime

RECOMMENDED SERVER CONFIGURATIONS

Category	Red Hat Linux	Windows Server 2003	Focus On Workloads
Mixed Workload Servers and Mainframes (z/OS)	No mainframe necessary	No server necessary	<p>You intend to run 2 Windows Server 2003 servers. From a capacity standpoint, this averages to 250 users supported per CPU; from a software and management perspective, this averages to 500 users supported per Windows server. Multiple roots typically force a separate file and print instance for each root. Geography or language settings may also require local file and print with access to other areas over a WAN. Windows Server 2003 uses a distributed file system with multiple roots and potentially hundreds of root targets on the same server increasing the efficiency of server consolidation.</p>
Mainframe IFLs	None Required	None Required	
File and Print	22 x Dell650 (1 x 3060MHz 533MHz Bus 2GB RAM)	2 x Dell6650 (2 x 2800MHz 400MHz Bus 8GB RAM)	
Email	No server necessary	No server necessary	
Database	No server necessary	No server necessary	
Web	No server necessary	No server necessary	

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