

Time and Cost Estimates for Additional Searches of Backed-Up Servers

18 file servers (includes PST servers)

No.	Task	Time per server	Hardware Cost per server	FTE required per server		Time required for 4 servers	FTE required for 4 servers
1	Load backup tapes	1 hour	0	1 hour		1 hour	1 hour
2	Import tapes to build catalog entries	10 to 40 hours	0	1 to 4 hours		40 to 160 hours	4 to 16 hours
3	Restore data NAS	4 to 10 hours	\$2,000	1 to 4 hours		8 to 20 hours	2 to 8 hours
4	Search data	24 to 72 hours	See note 1	8 to 20 hours		24 to 72 hours	8 to 20 hours
5	Copy hits to NAS	15 to 48 hours	0	4 to 12 hours		15 to 48 hours	4 to 12 hours
6	QA and Packaging DVD, labels etc	8 to 24 hours	\$100	8 to 24 hours		16 to 48 hours	16 to 48 hours
	TOTAL	62 to 195 hours	\$2,100	27 to 65 hours		112 to 348 hours	36 to 104 hours

1. We only have 2 licenses for search software. To search more than 2 servers would require purchase of additional licenses at \$1,000 each.

Cost to search Intel servers backups

Number of servers at once	Duration	FTE hours	Duration for all 18	Total FTE days for all 18	Hardware Cost	Total all 18
1	1 week	46	18 weeks	155	\$4800	\$128,800
2	1 week	73	9 weeks	123	\$4800	\$103,200
4	1.5 weeks	116	7.5 weeks ¹	98	\$23,800 ²	\$102,200
18 (all)	6 weeks	480	6 weeks ¹	60	\$100,000 ³	\$140,000

1 – A 3-4 week delay will be incurred prior to the start for the purchase, installation, and configuration of additional Unix hardware

2 - Includes \$2000 for search software and \$12,000 for Master Backup Server

3 - Includes \$6000 for Search software and \$12,000 for Master Backup Server

4 email servers

No.	Task	Time per server	Hardware Cost per server	FTE required per server	Time required for 4 servers	FTE required for 4 servers
1	Load backup tapes	1 hour	0	1 hour	1 hours	1 hours
2	Import tapes to build catalog entries	2 hours	0	1 hour	8 hours	8 hours
3	Restore data	16 hours	\$5,000	4 hours	16 hours	16 hours
4	Search data	72 hours	0	16 hours	72 hours	72 hours
5	Copy hits to NAS	48 hours	\$1000	12 hours	48 hours	48 hours
6	QA and Packaging	24 hours	\$100	24 hours	96 hours	96 hours
	TOTAL	163 hours	\$6,100	58 hours	211 hours	106 hours

Cost to search email servers backups

Number of servers at once	Duration	FTE hours	Duration for all 4	Total FTE hours for all 4	Hardware Cost	Total cost
1	7 days	40	28 days	160	\$6100	\$26,100
2	8 days	65	16 days	130	\$12,200	\$25,200
4	10 days	110	10 days	110	\$25,000	\$36,000

Local Hard Drives

We do not back-up user's local hard drives. Therefore, we are unable to perform searches on backed-up data

Assumptions

Labor @ \$100 per hour

Can only use 2 Unix tape drives at one time

Unix tape system can only hold 10 drives