

# THE COST OF TAPE - SAMPLE WORKSHEET

How much does using physical tape for your data protection cost your company? We used our cost of tape worksheet to show you here what one company was spending.

If you'd like to determine your costs for using tape, get our Cost of Tape worksheet. Email us at: [info@laservault.com](mailto:info@laservault.com)



<b>Cost of tape media</b>	6	# of tapes replaced each month	X	\$20.00	Cost per tape	X	12	Months	=	<b>\$1,440.00</b>	Annual cost						
<b>Cost of maintenance/support for tape drives</b>	1	# of maintenance /support needed per tape drive	X	\$500.00	Cost per maintenance/ support	X	1	# of locations or sites	=	<b>\$500.00</b>	Annual cost						
<b>Staff labor time consumed by administering regular tape management for daily backups</b>	0.50	length of time needed to do daily tape backup (hours)	X	25	# of daily backups per month - all locations	X	\$22.16	Average hourly rate for IT staff	X	12	months	=	<b>\$3,324.00</b>	Annual cost			
<b>Staff labor time consumed by administering regular tape management for weekly backups</b>	0.50	length of time needed to do each weekly tape backup (hours)	X	4	# of weekly backups performed per month - all locations	X	\$22.16	Average hourly rate for IT staff	X	12	months	=	<b>\$531.84</b>	Annual cost			
<b>Staff labor time consumed by administering regular tape management for monthly backups</b>	0.50	length of time needed to do monthly tape backup (hours)	X	1	# of monthly backups completed per month (all locations)	X	\$22.16	Average hourly rate for IT staff	X	12	months	=	<b>\$132.96</b>	Annual cost			
<b>Cost required to restore tape backup</b>	4.00	length of time (hrs) needed to locate, retrieve, restore tape backup	X	1	# of occurrences for restores per month	X	\$22.16	Average hourly rate for IT staff to do restore	X	12	months	=	<b>\$1,063.68</b>	Annual cost			
<b>Cost of downtime to company when system is unavailable to users due to restore required</b>	4.00	length of time needed to locate, retrieve, restore tape backup	X	0.25	# of occurrences for restores per month	X	\$16.45	Average hourly rate for staff unable to access system	X	50	# of employees	X	12	months	=	<b>\$9,870.00</b>	Annual cost
<b>Cost of transportation to/from offsite storage facility either to store or retrieve tapes</b>	100.00	# of miles roundtrip	X	4	# of trips per month	X	12	months	X	4	Ave # of gallons of gas used per trip	X	\$1.89	Average cost of gas per gallon	=	<b>\$36,288.00</b>	Annual cost
<b>Cost of offsite storage facility</b>	\$300.00	Monthly cost of facility	X	12	months										=	<b>\$3,600.00</b>	Annual cost

**\*\*THESE ADDITIONAL FACTORS ARE HARD TO MEASURE (HTM) OR LESS FREQUENT AND SHOULD BE CONSIDERED IN ADDITION TO TOTAL MEASURABLE COST:**

- ▶ Tapes can be broken, mislabeled, lost, stolen and/or destroyed
- ▶ Human error is inevitable and tape backups are always at risk – the more tapes made the more potential for human error
- ▶ Holes or gaps in data backups due to manual process means incomplete backups
- ▶ Management time spent reviewing, talking, and worrying about the true viability of your data backups
- ▶ Business continuity costs due to loss of data - facility costs, labor costs, etc.
- ▶ Cost of purchasing new or replacement tape drives.
- ▶ Cost of downtime to company for employees unable to access system while it is being backed up.
- ▶ Number of customers inconvenienced or possibly lost due to system being down or data being lost
- ▶ Tape media degrades over time resulting in irretrievable data; many industries require long retention periods, data stored on tapes is vulnerable
- ▶ Cost of informing customers their data has been lost, stolen, or destroyed; cost to business reputation and potential loss of business

**Total Annual Measurable Cost of Tape\*\***

**\$56,750.48**

\*\* See additional HTM factors that should be considered and are in addition to this total above.



What can you use instead of physical tape for your backups and restores?

Take 4-minutes and watch this educational video on tapeless backup. Click here to view now:

[Free Video](#)



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