



Group 47, Inc. Digital Storage Survey

The purpose of this survey is to illustrate the requirements for archival digital data storage. Group 47 will keep individual participation confidential. If the cumulative results are shared, individual responses will remain anonymous.

Your name: _____

Firm name: _____

Firm address: _____

City: _____ **State/Prov.:** _____

Country: _____ **Postal Code:** _____

Phone number: _____

Email address: _____

YOUR CURRENT SITUATION

1. Do you currently have a long-term archival data storage solution for your company's digital data?

Yes

No

If no, why?

Too expensive

Haven't had the time or resources or funds to find one

Don't need one

Other

2. Assuming in this case that "archival" means media that is "accessible and readable without errors," for how many years would your ideal storage solution last?

5 - 20 years

20 - 50 years

50 - 100 years

More than 100 years

3. If you do have a long-term archival data storage solution, what is it?
(Check all that apply)

- Film, microfilm, or other photochemical media
- Digital video tape (e.g. HDCAM-SR, etc.)
• Please specify type of tape _____
- CD / DVD / other optical disk
- LTO 1 or LTO 2
- LTO 3 or LTO 4
- Other magnetic data tape
• Please specify type of tape _____
- Hard drives
- Cloud
- Other solution (please specify)
• _____

4. How much NEW digital data do you produce each year which requires archival storage? (select the most appropriate units or combinations of units)

- | | |
|---|--|
| <input type="checkbox"/> Less than 500 hours | <input type="checkbox"/> Less than 100 Terabytes(TB) |
| <input type="checkbox"/> 500 - 1000 hours | <input type="checkbox"/> 100 - 1000 TB |
| <input type="checkbox"/> 1000 - 2000 hours | <input type="checkbox"/> 1 - 10 Petabytes (PB) |
| <input type="checkbox"/> 2000 - 5000 hours | <input type="checkbox"/> 10 - 100 PB |
| <input type="checkbox"/> More than 5000 hours | <input type="checkbox"/> 100 - 1000 PB |

5. How much TOTAL digital data, stored in your long-term data storage system, needs to move to an archival solution?
(select the most appropriate units or combinations of units)

- | | |
|---|--|
| <input type="checkbox"/> Less than 500 hours | <input type="checkbox"/> Less than 100 Terabytes(TB) |
| <input type="checkbox"/> 500 - 1000 hours | <input type="checkbox"/> 100 - 1000 TB |
| <input type="checkbox"/> 1000 - 2000 hours | <input type="checkbox"/> 1 - 10 Petabytes (PB) |
| <input type="checkbox"/> 2000 - 5000 hours | <input type="checkbox"/> 10 - 100 PB |
| <input type="checkbox"/> More than 5000 hours | <input type="checkbox"/> 100 - 1000 PB |

6. Do you currently have a migration plan?

Yes

How many pieces of media (tapes, discs, drives, etc.) will you have to migrate under your plan?

- 0 - 500
- 500 - 1000
- 1000 - 3000
- more than 3000

How many copies of each piece of archival media do you (or would you) make when migrating?

- 1
- 2
- 3
- more than 3

How often will you have to repeat this migration?

- Less than 3 years
- Every 3 - 5 years
- Every 5 - 10 years
- Every 10 - 20 years
- More than 20 years

No

If no, why?

- Our solution does not require migration
- Too expensive
- Haven't had time and / or resources to develop one
- Don't need to. We have another _____ years before it becomes a concern
- Not sure what our migration plan should be

PROBLEMS

7. What do you see as the biggest threats to your digital data & media in your current long term data storage system? (Choose all that apply)

- Electromagnetic fields or pulse
- Media obsolescence
- Data format obsolescence (including lack of backwards compatibility)
- Moisture / dirt / other environmental or chemical agents
- Media handling (by humans or media devices)
- Improper storage climate (e.g. too hot or cold)
- Physical media degradation (e.g. flaking, vinegar syndrome, delaminating, etc.)

8. What are the three greatest operational expenses for your current long-term data storage system?

- Manpower costs to create / validate / maintain archive
- Media
- Air conditioning or climate control for storage
- Cost of future migration including hardware upgrades
- Cost of third-party archive vendor

FUTURE

9. Please check off the following attributes which you would like in an archival system:

- Green: Requires no special environmental storage conditions, can be stored in normal office conditions
- System and drives that will always be backward compatible (will always be able to read older tapes)
- Drives priced at current LTO drive prices
- Availability of lower priced read-only drives
- Compatibility with current tape robotic units
- Ability to store visible text, drawings or images on the media, along with digital data

10. What data transfer rate would you consider acceptable for a digital archival system not requiring migration?

- Our current transfer rate is acceptable
- 1/2 our current transfer rate
- 1/4 our current transfer rate

11. What storage density would you consider acceptable for digital archival media?

- Our current storage density is acceptable
- 1/2 the size of our current storage density
- 1/4 the size of our current storage density
- Twice the size of our current storage density

Any comments or questions?

Upon Completion of the survey, please save it, and then email it to:

survey@group47.com