

IBM sets new record as tape enters the cloud

IBM researchers have demonstrated a new world record in tape by storing 123 billion bits of data per square inch in areal data density on low-cost linear magnetic particulate tape developed by FUJIFILM Corporation of Japan.

4"

Tape is ideal for **cloud applications** to migrate back-up and archival data

Can store
220
million books



Built-in **data encryption**



Zero power consumption when idle



Can be read after **three decades** versus five years for disks



Tape costs just a **few pennies** per gigabyte



220 million books, which would require a 2,200 km bookshelf spanning from **Las Vegas to Houston, Texas**

