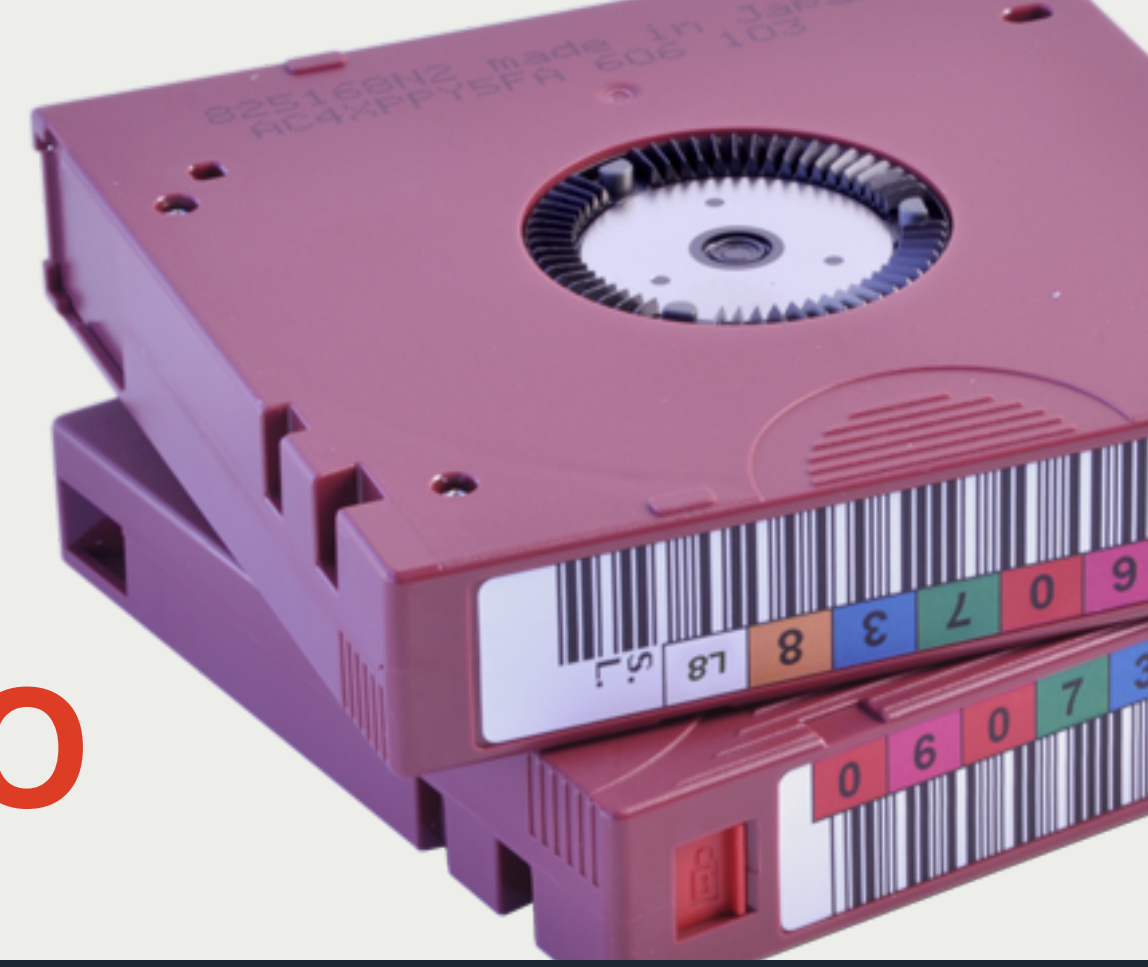
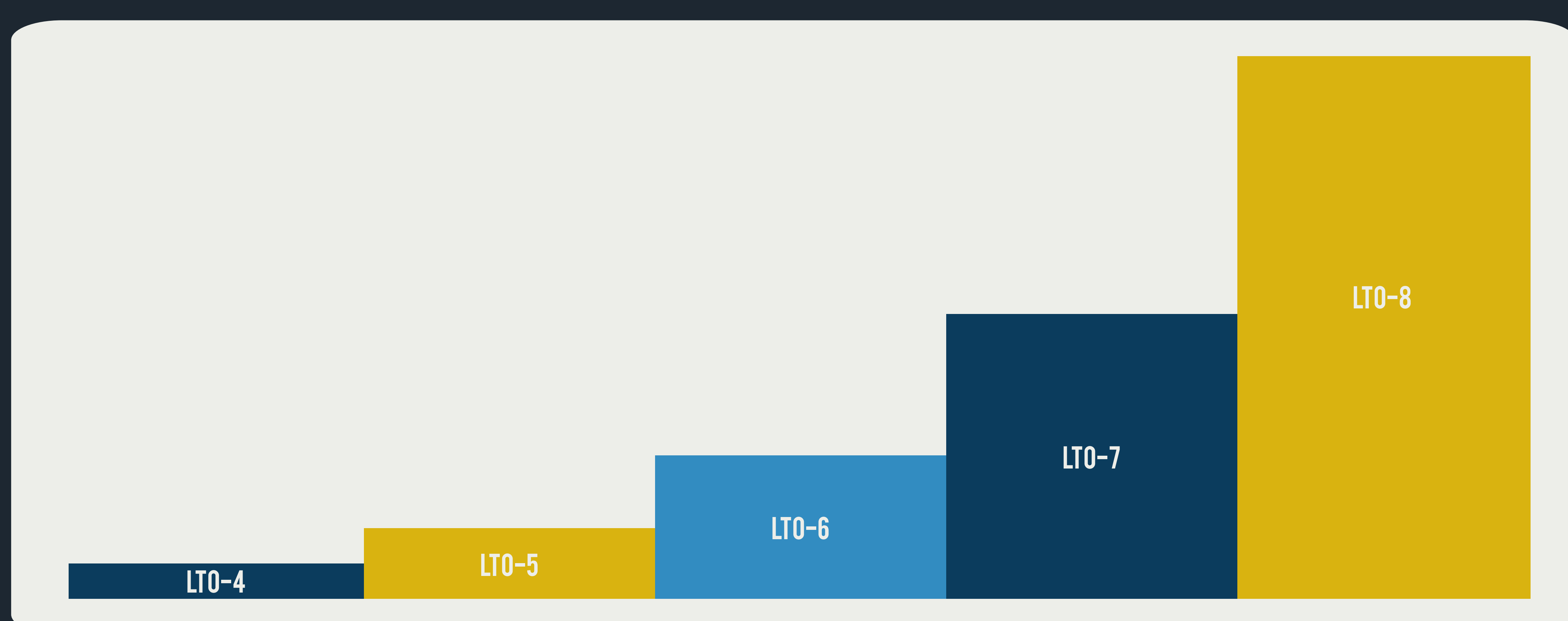


# THE LTO ROADMAP:



Comparing capacities for each generation of LTO

How much data could **ONE** tape cartridge from each generation of LTO hold?



One **LTO-4** tape cartridge holds **800 GB** of data.

**800 GB =**

**533 MOVIES**

**192,000 SONGS**

**476,000 PHOTOS**



One **LTO-5** tape cartridge holds **1.5 TB** of data.

**1.5 TB =**

**1,000 MOVIES**

**360,000 SONGS**

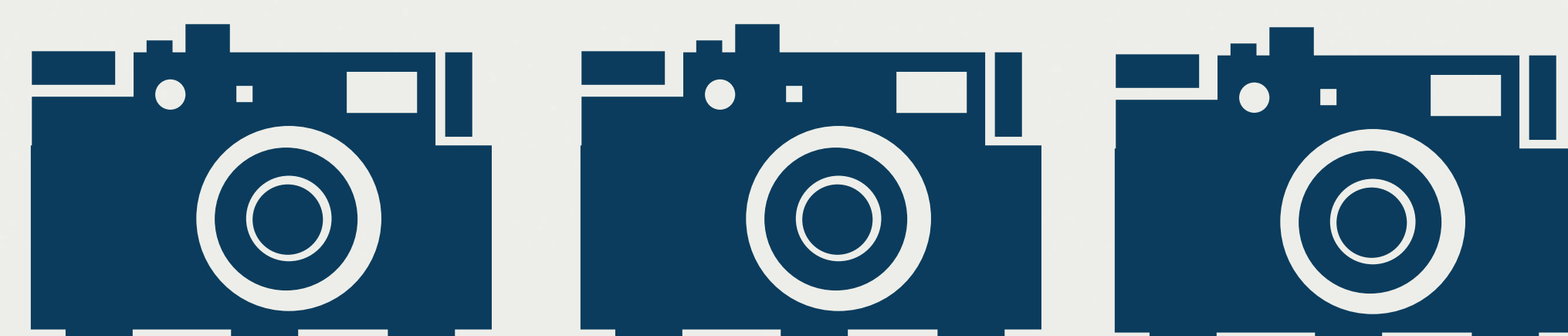
**892,000 PHOTOS**

One **LTO-6** tape cartridge holds **2.5 TB** of data.

**2.5 TB = 1,667 MOVIES**

**600,000 SONGS**

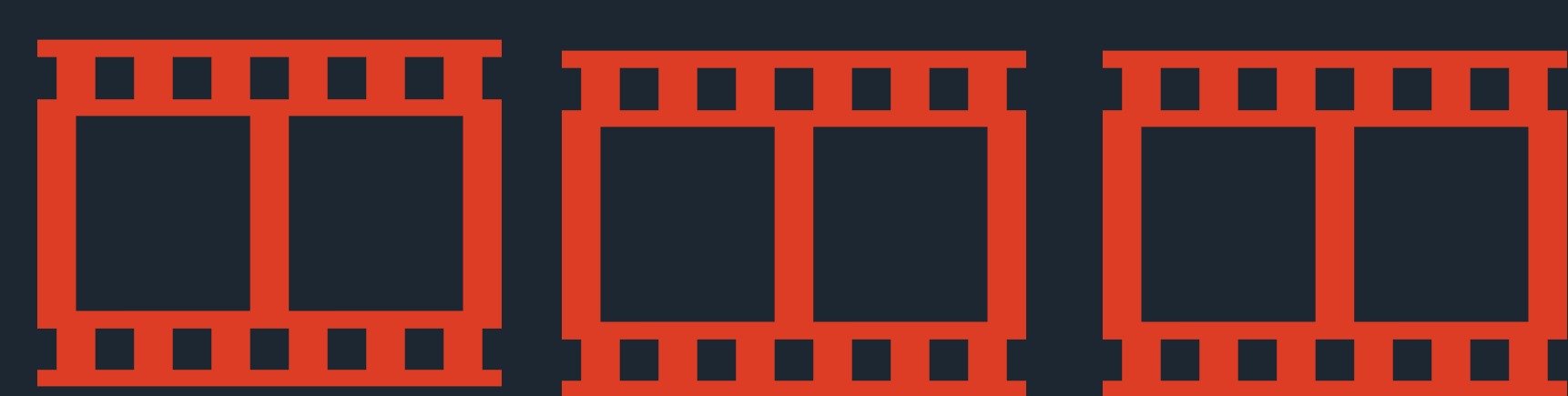
**1,487,500 PHOTOS**



One **LTO-7** tape cartridge holds **6 TB** of data.

**6 TB = 4,000 MOVIES**

**1,440,000 SONGS**



**3,570,000 PHOTOS**

INTRODUCING...

**LTO-8**

- 12 TB of Native Storage Capacity, 30 TB Compressed (2.5:1 Compression)
- 360 MB/Sec Native Throughput
- $10^{-19}$  Bit Error Rate

One **LTO-8** tape cartridge holds **12 TB** of data.

**12 TB =**

**8,000 MOVIES**

**2,880,000 SONGS**

**7,140,000 PHOTOS**



In the last ten years, LTO tape has increased in:

**CAPACITY**

**PERFORMANCE**

**RELIABILITY**

**1,400%**

**200%**

**9,900%**

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<http://iclick.com/pdf/howbigisagig.pdf>