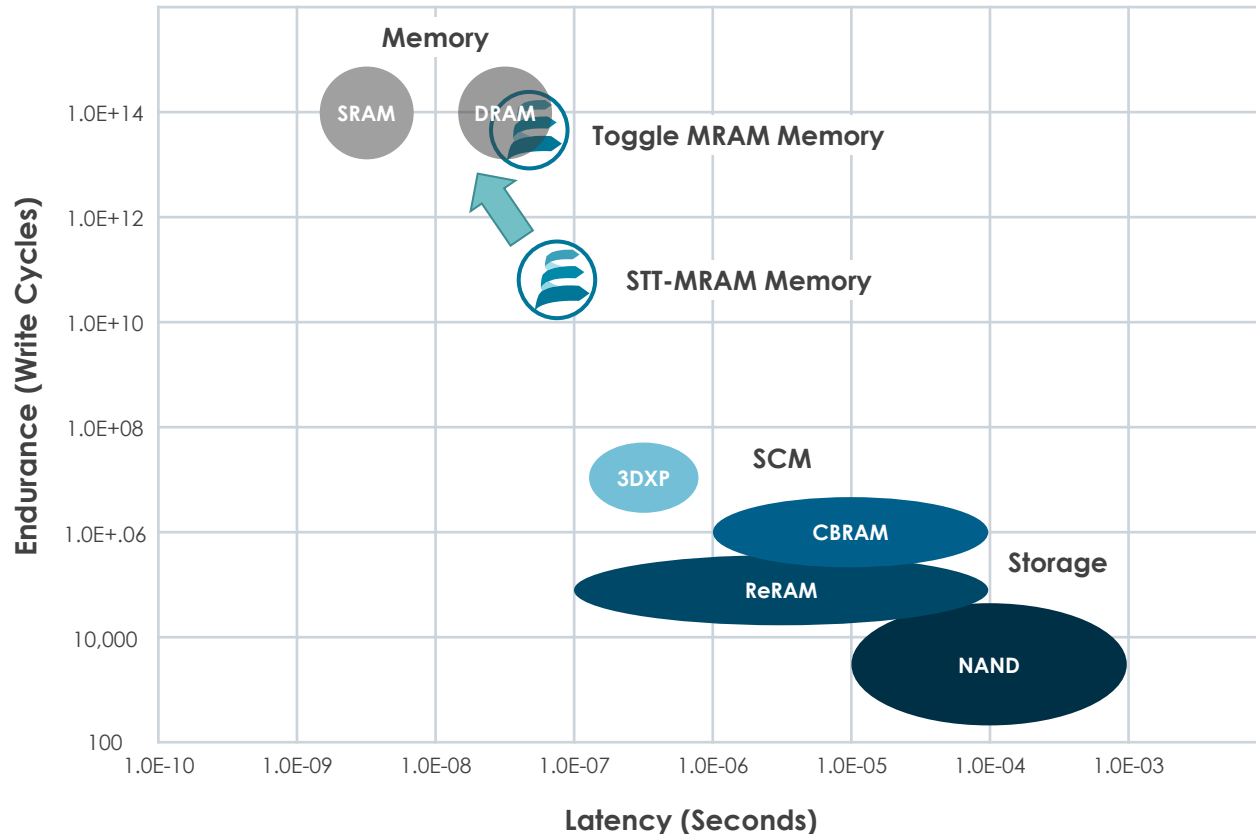# What's the best approach to persistent memory today and tomorrow?

Pankaj Bishnoi

Director of Business Development

Everspin Technologies

Memory Technology Map

- **Depends on what your application needs**
  - Density (Mbits to Gbits)
  - Throughput performance (GB/s)
  - Write performance (GB/s)
  - Latency response time / QoS (ns)
  - Data patterns: Random R/W vs. Sequential
  - Data retention time (Years)
  - Data endurance (Product lifetime)
  - Bit error rate (BER)
  - Operating temperature range
  - Product reliability

Path to universal persistent memory – We are not there yet but getting closer with STT-MRAM technology

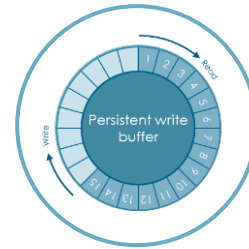# Applications drive need for persistent memory?
Power loss protected data at speed

Write Buffer

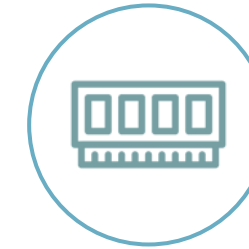**Scramming Memory**

Continuous Ring Buffers

Persistent write buffer

Journaling & Databases

Data Logging

Code Storage & Execution

Boot Load Configuration

Data RAM

Thank You

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