Top 10 Things About Flash

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Dragon Slayer Consulting – Marc Staimer CDS

Analyst/Consultant
21 yrs

IT Industry Experience
39 yrs

Clients
> 300

Help End Users IT
> 1000 (FREE)

Publish w/TechTarget
Frequently

Keynote Speaker
Conferences & Trade Shows

marcstaimer@me.com
O:+1 (503) 579-3763
M:+1 (503) 312-2167
@ChiefDS

Top 10 Things About Flash

1. NVMe flash SSDs have pushed performance bottleneck to CPU
   - Providing computational storage momentum

2. Application specific flash control/offload
   - Database: OLTP, analytics, DW, AI-ML

3. Japan – Korea dispute will reduce NAND & DRAM supplies slowing price declines

4. NVMe & fast flash challenging 3D X-point performance

5. 200Gbps RDMA fabrics (NVMe-oF) started shipping

6. Storage performance density becoming a system issue

7. Several SCM (a.k.a. PMEM) alternatives to 3D X-point shipping
   - ReRAM, MRAM, STT-RAM, NRAM

8. ZNS standardization

9. ARM based AFA within 12 mos

10. QLC for cold storage achieving acceptable pricing