Forum F2C:
Solid State Drive (SSD) Technology

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Monday, August 15, 2011

Demartek Company Overview

- Industry analysis with on-site test lab
- Lab includes servers, networking and storage infrastructure
    - Fibre Channel: 4 & 8 Gbps (16Gb soon)
    - Ethernet: 1 & 10 Gbps (including NFS, CIFS, iSCSI & FCoE)
    - Servers: 8+ cores, very large RAM
    - Virtualization: ESX, Hyper-V, Xen
- We prefer to run real-world applications to test servers and storage solutions
    - Currently testing various SSD form factors (drive, PCIe, etc.)
- Web: www.demartek.com

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Demartek News

- Demartek Deployment Guides
  - Completed: iSCSI – May 31, 2011
  - In-progress: SAS, SSD & 16Gb Fibre Channel

- Free Monthly Newsletter
  - http://www.demartek.com/Newsletter/Newsletter_main.html
  - Text "DemartekLabNotes" to 22828

- Storage Interface Comparison
  - http://www.demartek.com/Demartek_Interface_Comparison.html
  - Internet search for "Storage Interface Comparison"

Speakers for This Session

- Ed Grochowski, Computer Storage Consultant and Robert E. Fontana, Jr., IBM Almaden Research Center
  - An Analysis of HDD and SSD Technology Trends
- Scott Shadley, Micron
  - What Do You Want from Your SSD?
- C.C. Wu, InnoDisk
  - Quality Comparison of SLC, MLC, and eMLC
- Tasha Frankie, UCSD
  - SSD Trim Commands Considerably Improve Overprovisioning
- Michael Laflin, Enpirion
  - Power Design in Enterprise SSD
- Jeremy Brock, Recover My Flash Drive
  - The Open SSD Project

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