

Title:

Server Technology on the Move: Remote Control is Key

Speaker:

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Abstract:

Change in server management: Within the past years server hardware management has developed from proprietary solutions to standardized baseboard management controllers even with remote access features. At the same time human interface technologies for servers have evolved to keyboard, video, mouse via network and serial port concentrators with network uplink. As such remote server control features become mature, the market demand for high density solutions grows, putting cost pressure on vendors. This drives new solutions where human interfaces, hardware management, and even virtual storage are merged into one single unit, enabling full remote control.

This seminar focuses on such new technologies. It illustrates in three sections the technology trends, implementing with Agilent solutions, and use models.

Section 1 - Technology Trends:

Merge of

- Keyboard, video, mouse via network,
- Serial port via network,
- Remote server management including Baseboard Management Controllers, and
- Virtual storage

Section 2 - Implementing with Agilent Solutions:

Portfolio ranges from scalable building blocks to turnkey solutions

- Remote Management Processors for motherboard integration
- Embedded Keyboard, Video, Mouse (eKVM) module and building block model
- Standard PCI and PCI-X plug-in cards

Section 3 - Use Models:

Remote server operation using

- Real-time video redirection
- Virtual drives (such as floppy, CD, hard drive) with remote storage