



STORAGE VISIONS™ 2008 CONFERENCE

AN ENTERTAINMENT STORAGE ALLIANCE™ EVENT



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TITLE

Key Management: The Key to Secure Storage

ABSTRACT

Storage systems can be made secure only to the extent that the keys to the data can be protected from disclosure, modification, or loss. The data and the keys protecting the data may be needed for years, or may be required for only a fraction of a second. At the same time, management of the keys has to be fool proof and be transparent to the users of the data especially in consumer content management systems. This session delves into the issues around securing data and the importance of key management for data storage systems including disk drives. The threat models associated with the data keys are examined, and the current techniques for generating, managing, and transmitting keys will be explored. An up to the minute description of key management standards organizations will be provided, along with approaches to make key management easy to use. The topics covered in this session include:

- The Key Management Problem
- Types of Keys
- Securely Exchanging Keys
- Threats to key Management
- Key Management Systems
- Current Key Management Standardization Efforts

The session will provide an introduction to key management for electronic storage devices. Attendees can expect to gain a basic knowledge of the issues, terminology, and technologies associated with managing keys for secure storage.

BIOGRAPHY

Walt is a Software Architect with LSI Corporation, Engenio Storage Group, with responsibility for defining secure storage and network attached storage products and solutions. Walt has over twenty years of experience in storage systems engineering in both development and managerial positions and has authored several key patents in RAID and other storage related technologies. He is currently the Chair of the Trusted Computing Group Key Management Services Subgroup. Walt holds a Bachelor of Science degree in Electrical Engineering from Colorado State University.

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