

Session 103-A: Security in a Flash! (Security Track)

Tuesday, Aug 9th, 3:20pm- 4:25pm

Organizers: Michael Willett, VP Marketing, Drive Trust Alliance Mike McKean, VP Product Solutions, FHOOSH

Chairperson: Mike McKean

Santa Clara, CA August 2016



AGENDA

Introduction/ Trends

Mike McKean, VP Product Solutions, FHOOSH

Self-Encrypting Storage: Simplest Security for Stored Data Michael Willett, VP Marketing & Bob Thibadeau, CEO; Drive Trust Alliance

Security Beyond Self Encrypted Devices

Robert Wann, CEO, Enova Technology

Industrial Copy Protection by Secure Storage-Devices

Hubertus Grobbel, Head Security Business Unit, Swissbit

Every Product is a Security Product

Monty Forehand, Product Security Officer, Seagate Technology



Storage Trends Driving Security

- The Big Bang Theory
 - Security Boundaries are Expanding
- The Good, The Bad and The Ugly
 - Good Hacks, Bad Hacks, Ugly Hacks
- The IT Crowd
 - Vertical Scaling
- Zombie Apocalypse
 - Horizontal Scaling



FLASH Centric Security Trends

- Performance
 - NVMe ... FLASH ... Fabrics
- Processes
 - Backup, Disaster Recovery, Archiving, Compliance, Regulations
- Holistic/ System View
 - Design from the low level up.
- Data in Transit & Data At Rest
 - Data will be compromised
- Key Management
 - The Human element









Building On Industry Best Practices



• Up to 8x faster than storing data unprotected

"Smart"
Detection

- Recognizes out-of-norm behavior
- Intelligent detection and automatic adaptation

Data Protection at the Elemental Level

- Personal data disassociated from user identity (patent pending)
- Data decomposition/obfuscation/encryption/distribution
- DATA REMAINS SAFE EVEN IF SERVERS ARE HACKED

Integrated Authentication and Authorization

- Includes FHOOSH proprietary multi-factor authentication
- Features secureKeysTM rotating key management system
- Manages full-range of user and IT administrator secure access

Complete Data Backup Protection

- Full data redundancy in multiple geographic locations
- Safer than storing on a local device (theft, disaster, etc.)

Institution-level Security

• Data stored & transmitted using AES-256-bit encryption

■ Standard Industry Practice

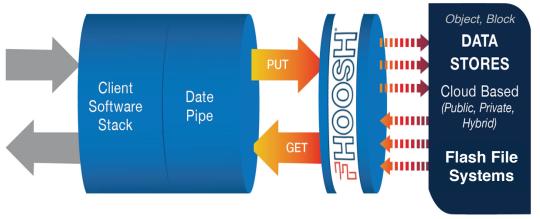
FHOOSH bankLevel+ Security

- State-of-the art hosting facility with armed response
- Policies monitored & verified by leading organizations





Flash Memory Secures Data at the Elemental Level



- Faster data
- Invulnerable security
- Flexible implementation
- Validated and certified





Thank You!



www.fhoosh.com

Dispersed Data Encryption white paper: www.fhoosh.com/resources