2014 Flash Memory Summit
Data Recovery Session Roundup

Session 201-A Data Recovery of SSDs

Wed Aug 6, 2014 : 8:30am – 9:35am

Santa Clara Convention Center

Data Recovery of SSDs

Chairperson

- N. Krishna Chander of Chander Consulting

With special thanks to the organizers of today's DR event

- Troy Hegr of Kroll Ontrack ,
- Chris Bross of DriveSavers

Agenda

- Introductions

- Data Recovery Session Themes and Topics
    - DR in Flash: It's all about Security and Sanitization

- Request to Audience

- Q&A

Introductions

Chairperson

- Krishna Chander, Chander Consulting

Organizers

- Troy Hegr, Kroll Ontrack
- Chris Bross, DriveSavers

Paper Presenters/Panelists

- Don Verner,Intel
- Scott Holewinski, Gillware
- Chris Bross, DriveSavers
- Ronen Engler, Cellebrite
- Robin England, Kroll Ontrack
- Troy Hegr (Panel)
- Gregory Andrzejewski, Gillware (Panel)

DR Session Topics / Presentations

1. **ROI of DR from a Mfg perspective** (D.Verner,Intel)

2. **SSD Data Recovery: Benefits of Industrial Cooperation** (S. Holewinski, Gillware)

3. **The Care and Feeding of Your SSD (and What to Do if Data Loss Occurs)** (C. Bross, DriveSavers)

4. **Smart Phone Forensics: Recovery and Imaging of NAND based Smart Devices** (R. Engler, Cellebrite)

5. **Erasure & Verification of SSDs: What It Is and Why You Should Care?** (R. England, KrollOnTrack)

Flash DR: It's all about Security and Sanitization

Essence of what each speaker is saying

- Don Verner of Intel discusses the ROI of SSD and Flash Data Recovery even when the failure rate trends are coming down.
  - LT 1% for SSDs vs LT 4.85% for HDDs
  - It is good business to provide data recovery tools
- Scott Holewinski of Gillware discussed the benefits of mutual cooperation between DR companies and makers of flash and SSDs
  - Asking for a clue how the SSDs are made !
- Chris Bross of Drive Savers talks about the "care and feeding of SSDs"
  - Best practices: Users DIY rules and when to engage a professional organization
- Ronen Engler of Cellebrite covers extraction of data from devices
  - Micro devices and Macro crimes
  - Forensics has value but also challengers due to diversity of mfg vendors and their device models
- Robin England of Kroll On Track presents ideas on erasure and its verifications
  - Sanitization is important for enterprises: ensures your data is gone, gone, gone ! Media can be reused
  - Measure and verify and validate data erasures in EOL devices

Request to Audience

- ❑ The interest in data recovery is growing rapidly on a year by year basis

- ❑ The session turns from simple recovery to forensics, end of device life and sanitization, etc

- ❑ Keen to ask questions ?

  - ❑ Please wait until we begin our Panel discussions

- ❑ Please put cell phones in silence or vibration modes