

CH. 1 INTRODUCTION TO COMPUTER FORENSIC

TOPIK

Apa itu Forensic Science?
Apa itu Digital Forensics?
**Penggunaan Digital
Forensics**
Peran dalam Pengadilan



WHAT IS DIGITAL FORENSICS?

DIGITAL EVIDENCE

**Computers record
evidence of everything
you do, and also**

- Cell phones
- ATM machines
- Web servers
- Email servers
- SMS systems
- etc.

SLOW TO CHANGE



technical experts

ILMU FORENSIK

- Use of validated tools
- Repeatability
- Reporting
- Expert presentation

ITEMS TO EXAMINE



■ *authenticity, comparison,
enhancement*

Uses of Digital Forensics

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-

FORENSICS BACKLOG

computers
could be
examined”

- [Link Digital Forensics Backlog](#)
(Aug., 2012)



LAW ENFORCEMENT PARADIGM

- Etc.

BIND. PENYIKSAAN. PEMBUNUHAN.



-
-
-

Dia menawarkan untuk mengirim polisi floppy disk

- Police said it couldn't be traced

METADATA



Dennis Rader - Wikipedia

JOHN MCAFEE

[Link: Oops! Did Vice Just Give Away John McAfee's Location With Photo Metadata?](#)





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KASUS PERDATA

- setiap proses di mana data elektronik dicari, disimpan, damankan, dan di periksa dengan maksud akan menggunakannya sebagai bukti dalam kasus legal perdata atau pidana
Kedua pihak berhak untuk memeriksa bukti-bukti

GOOGLE'S BILLION DOLLAR EDISCOVERY ERROR

"At 11:05 a.m. on August 6, 2010, Lindholm sent an email to the attention of Andy Rubin, Google's Vice President in charge of its Android operating platform. Lindholm also included Lee, himself, and another Google engineer, Dan Grove, on the email. The body of the email provided as follows:

*Attorney Work Product
Google Confidential*

[Link: Google's Billion Dollar eDiscovery Error](#)

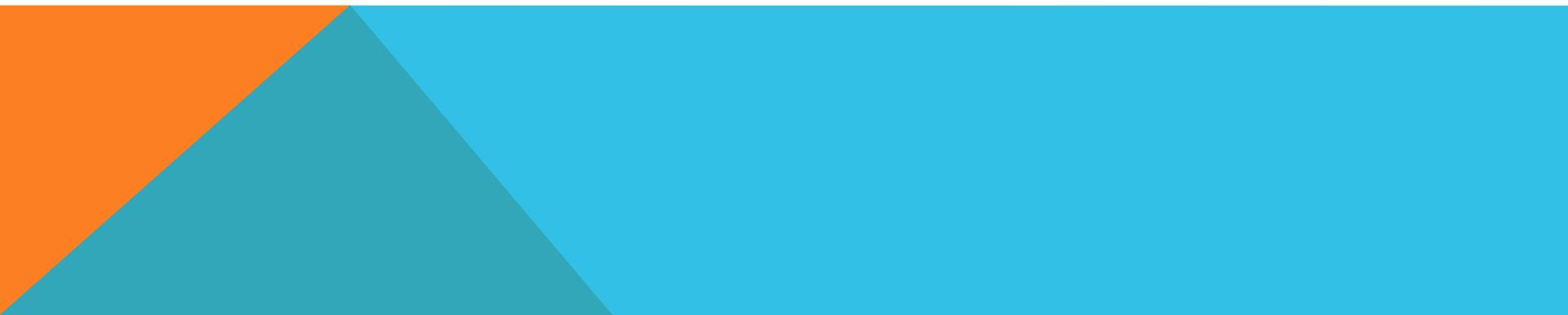
Hi Andy,

This is a short pre-read for the call at 12:30. In Dan's earlier email we didn't give you a lot of context, looking for the visceral reaction that we got.

What we've actually been asked to do (by Larry and Sergei) is to investigate what technical alternatives exist to Java for Android and Chrome. We've been over a bunch of these, and think they all suck. We conclude that we need to negotiate a license for Java under the terms we need.

INTELLIGENCE

Teroris dan pemerintah asing
menggunakan alat digital dan Internet



DOMEX

- “Prosedur yang digunakan oleh Angkatan Bersenjata Amerika Serikat untuk mencari, mengkategorikan, dan menggunakan dokumen yang disita dalam operasi tempur”
-
-
-
- Link:
[Meet the High-Ranking SEC Official Who Surfed Porn While Your 401K Vanished](#)



Paratroopers of the 82d Airborne Division secure documents after a raid in Iraq



WWW.ARMY.MIL

THE OFFICIAL HOMEPAGE OF THE UNITED STATES ARMY

Geotagging poses security risks

March 7, 2012

By Cheryl Rodewig

52 Like

1,011 people like this.



Photos from smartphones are geotagged even when the user is unaware. Smartphone users can adjust their privacy settings to limit who can view their geotagged locations.

MEMBANTU ENEMY

... Contoh nyata tahun 2007. Ketika armada helikopter tiba di Irak, beberapa Tentara mengambil gambar . Dari foto yang diupload ke Internet, musuh mampu menentukan lokasi yang tepat dari helikopter dalam kompleks dan melakukan serangan mortir, menghancurkan empat dari Apache AH-64.

Geotagging poses security risks The United States Army

ADMINISTRATIVE MATTERS

Bukti digital digunakan untuk mendeteksi pelanggaran kebijakan

-
-
- :

Ch 1f: Meet the High-Ranking SEC Official Who Surfed Porn While Your 401K Vanished

WORKPLACE ETIQUETTE

Meet the High-Ranking SEC Official Who Surfed Porn While Your 401K Vanished

David Ito is an assistant regional director in the SEC's Los Angeles office. He makes around \$200,000 a year supervising the commission's L.A. regulators. According to a source, he was looking at porn at work during the economic collapse.



BY JOHN COOK

Share

G +1

f Like

32

MAR 25, 2010 1:04 PM

23,301 109

PERGESERAN PRINSIP

Saat penjahat memasuki atau meninggalkan TKP, mereka akan meninggalkan jejak atau mengambil sesuatu

-
-

METODE ILMIAR

ORGANIZATIONS OF NOTE



Scientific Working Group on Digital Evidence

menyatukan organisasi aktif yang terlibat dalam bidang digital dan multimedia evidence untuk mendorong komunikasi dan kerjasama serta menjamin kualitas dan konsistensi dalam komunitas forensik

High Technology Crime Investigation
Association

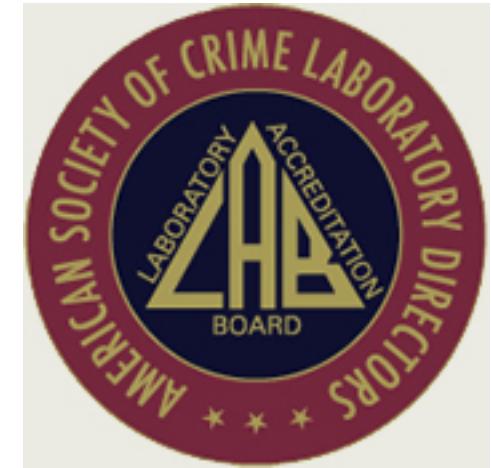


A professional society dedicated to the application of science and law

AMERICAN ACADEMY
of FORENSIC SCIENCES

- [Link: American Academy of Forensic Sciences](#)

DIRECTORS/ LABORATORY ACCREDITATION BOARD (ASCLD/LAB)



NIST - Computer Forensics



- :
ASTM E2763 - 10 Standard Practice for Computer Forensics

HTCIA



Organisasi yang terdiri dari petugas kepolisian, peneliti, jaksa, pengacara, dan profesional security

[Link: High Technology Crime Investigation Association](#)

DEFENSE LAWYERS (PEMBELA)



Memahami tujuan mereka
Menjatuhkan ahli forensik &
membebaskan klien adalah
kemenangan bagi mereka

- Image from http://www.zazzle.com/lawyer_shark_trust_me_bumper_sticker-128101885100809676

PERAN PEMERIKSA FORENSIK DALAM SISTEM PERADILAN

- Memenuhi syarat untuk memberikan pendapat
- Harus menjadi komunikator yang efektif
- Bisa menjadi guru
- Harus tanpa bias
 - Ikuti bukti di mana pun itu mengarah