

How to Lock Down Data in Motion

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- Business drivers
- The strategic architecture
- The content protection layers
- Evaluating technologies
- Active protections
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Business Drivers

- Intellectual property
- Information leakage egress points
- Forensics
- Regulations
- eDiscovery

Steptoe and Johnson International Attorneys
eCommerce Law Weekly Newsletter
www.steptoe.com/publications-signup.html

eDiscovery – The Framework

- New Rules December 2006
- Amendment to the Federal Rules for Civil Procedure
- Prior rules were based on paper evidence which was not a good fit for electronic data
- Four Major Components
 - Document Retention Policies and Requirements
 - Electronic Discovery
 - Cost allocation of electronic discovery
 - Spiling evidence and consequences
- Guidance Software – Encase Forensics

eDiscovery - Data Sources

- LAN
- WAN
- Active Data
- Stored Data
- Metadata * * *
 - Now legally searchable
 - Likely to a huge area of legal vulnerability
- Legacy Data
 - Stored on outdated hardware or software
- Residual data * * *
 - Deleted data that may be retrieved via an undelete command

Strategic Architecture

1. Policies: Practical and legal framework.
2. Procedures: Meet policy guidelines operationally.
3. Contracts: Legal framework for using corporate intellectual property.
4. Vendor selection: Standard testing protocol for vendor / product selection.
5. Auditing: Ensures that all stated policies and procedures are being followed.
6. Active protections: Those technologies and business processes that dynamically protect content (encryption, port control...).
7. Passive protections: Technologies and business process that provide monitoring, investigation or auditing of content usage.

The Technologies

- Evaluating technology
- Active Protections
- Enabling Technologies
- Passive Protections



Evaluating Technology/Evaluation Criteria

- Installation
- Initial configuration
- Scalability
- Management/ Administration
 - Usability, Adjustments, Helpdesk, Admin time required to operate, Training
- Reporting
- Documentation
- Integration into other security or networking systems
- Security of the device

Active Protection

- Encryption (Utimaco, Safeboot, GuardianEdge)
 - Full disk
 - PCMCIA encryption cards
 - TPM encryption chips
- Digital Rights Management (Authentica, Liquid Machines, Sealed Media)
- Secure Storage Devices (RedCannon, Kanguru, Kingston)



- Port Control (Safend, SecureWave)
- Mobile Device (Nokia, Credant)

Enabling Technology Identity Management

- User identity across devices
- Framework for use with outsourced partners
- Easier auditing
- Better reporting



Passive Protection Content Monitoring – What to Evaluate

- Percentage of internet traffic monitored
- Internal versus external network
- Ports agnostic
- Linguistics analysis
- Forensic capability
- Policies and filters
- Reports
- Ease of use

Vendors to watch:

Reconnex

Code Green

GTTB

Tablus (now RSA)

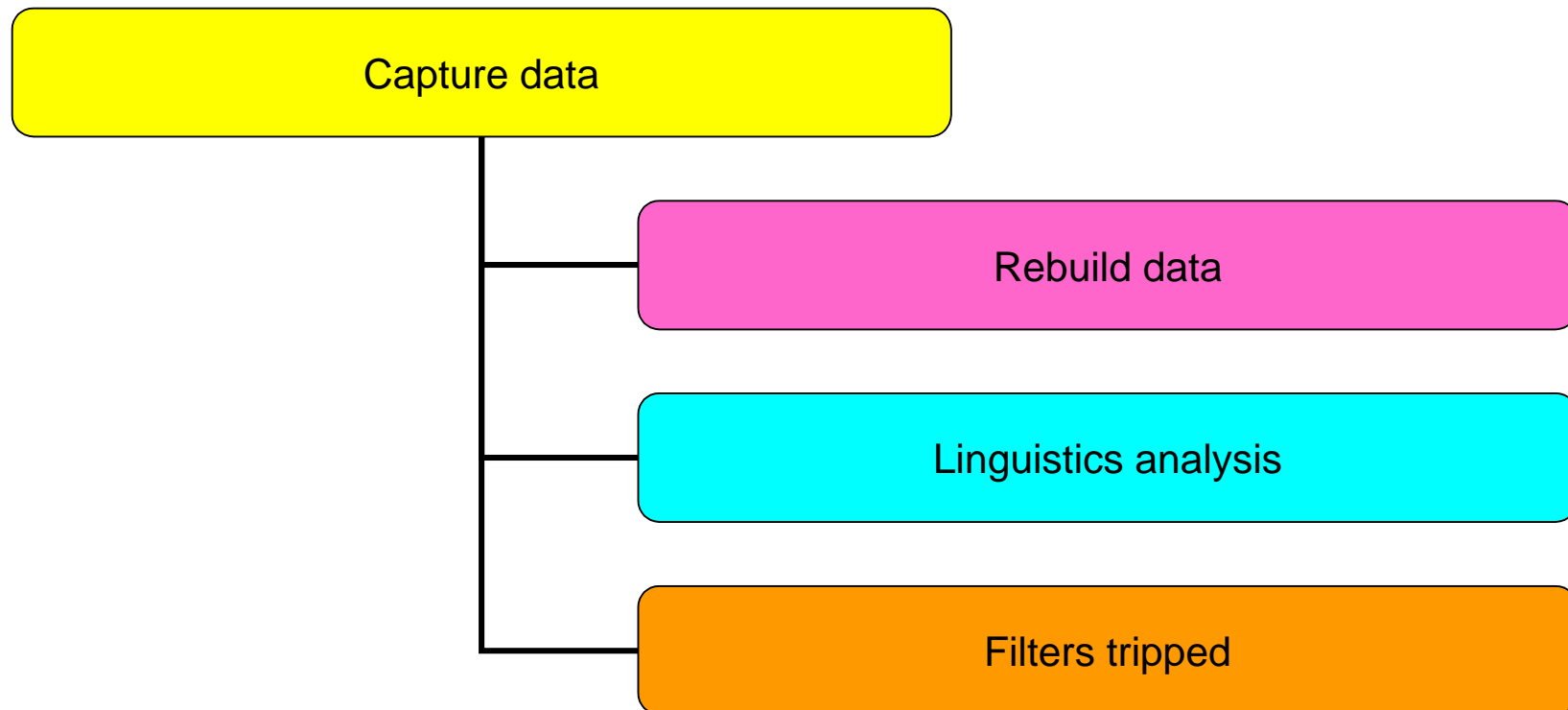
Vericept

Where it all began:

Vontu (Symantec?)

The Specifics

Content Monitoring Overview

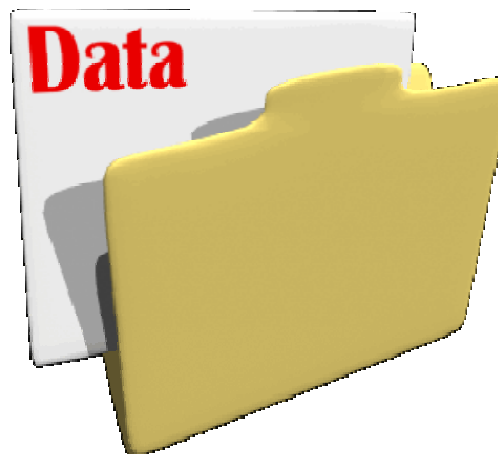


Content Monitoring Overview

Protocols and Data Types

HTTP
HTTPS
Telnet
SSH
SMTP
POP3
Webmail
PCAnywhere
VNC
IM
Citrix
FTP...

DOC
PPT
PDF
XLS
ASCII
JPEG
GIF
BMP
MPEG...



Conclusions

- Wide range of business drivers
- Review the new eDiscovery rules
- Build your architecture
- Use both innovative and mature technologies
- Technologies covers both information security and regulatory needs

Questions?

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