Don’t touch that system

A quick primer on incident response

Rikard Bodforss, Omegapoint

Commercial break!

- If you understand Swedish…
  Listen to our podcast on security:

  www.sakerhetspodcasten.se

Also available on iTunes

…oh, and I work for Omegapoint.

Agenda

- The bare essentials
- What is evidence
- Handling evidence
- Myth busting
- What to do
- Demo

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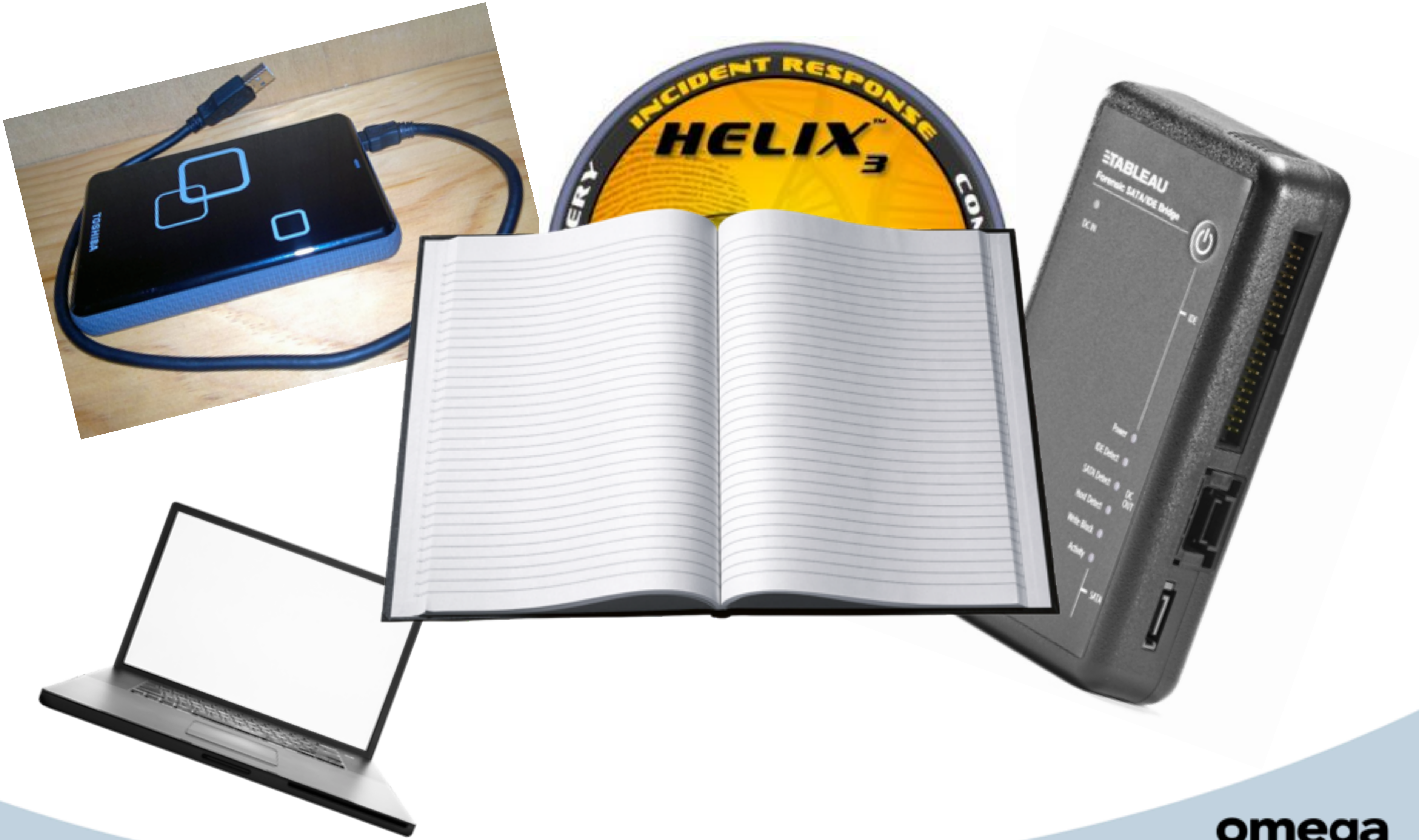
The bare essentials

Tools


TOSHIBA
INCIDENT RESPONSE
HELIX3
TABLEAU
Forensic SATA/IDE Bridge
DC IN
IDE
Power
IDE Detect
SATA Detect
Host Detect
Write Block
Activity
DC OUT
SATA

Incident response checklist

- S.T.O.P!
- Stop, Think, Observe, Plan
- Start taking notes
- Collect evidence in order of volatility
- Analyze
- Report

Process

- Document everything!
- Take pictures
- Take notes
- Label all seized items

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Everything you do…

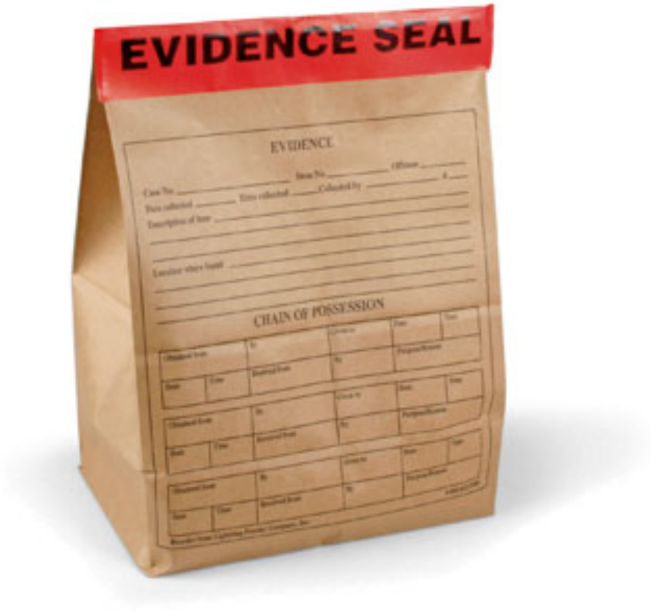
Will have an impact on the system!

What is evidence?

Order of volatility

- RAM
- Open network connections
- Open encrypted volumes
- Hard drives
- Other storage media
- Hard copies etc

Best evidence



Evidence handling

Integrity is key

- Cryptographic checksums
- Chain of custody
- Secure storage
- Clean media

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Myth busting

Forensic myths

- MD5 is broken and can’t be used
- You have to use a forensic write blocker
- Touching a live system is forensic suicide
- You must use clean media

What to do

42?

”The answer to every question within the field of forensics is: It depends...”

– Rob Lee

Make sure acquisition is done "by the book"

- If you do the acquisition right you can always go back for more analysis
- You never know if a case will end up in court
- You seldom know what jurisdiction that court will reside in...

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Demo time

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Thank you for listening!

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