

Blaming the cryptographic user

Daniel J. Bernstein

University of Illinois at Chicago,

Technische Universiteit Eindhoven

Unrelated advertisement:

<http://nametags.cr.yp.to>

Cryptography promises

to provide confidentiality,

integrity, availability

against network attackers.

Oops, is cryptography
failing to meet this promise?

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Traditional response:
Blame the user.

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Traditional response:
Blame the user.

e.g. Padding-oracle attacks broke
RSA SecurID 800 tokens?

“RSA reminds all of its customers
to apply the latest OS security
patches . . . An end user
should remove the RSA
SecurID 800 device from its
USB port when not in use.”

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e.g. RSA-2048 painfully slow? User should have bought more hardware to handle the load.

A different response:

Build a cryptographic library
that eliminates the failures.

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<http://nacl.cr.yp.to>

Joint work with

Tanja Lange (Eindhoven),

Peter Schwabe (Academia Sinica);

various code contributions from

Matthew Dempsky (Mochi

Media), Niels Duif (Eindhoven),

Emilia Käsper (Leuven),

Adam Langley (Google),

Bo-Yin Yang (Academia Sinica).