

Privacy and Autonomy in a Pervasive Security World

Toby Considine
University of North Carolina
Chair, oBIX

Toby.Considine@unc.edu

www.NewDaedalus.com

Security is not about keeping people out

Security Enhances Service

The biggest security exposure is metadata

Far easier to never cut a door than to lock it

Security is providing the right services to the right person at the right time

Security is:

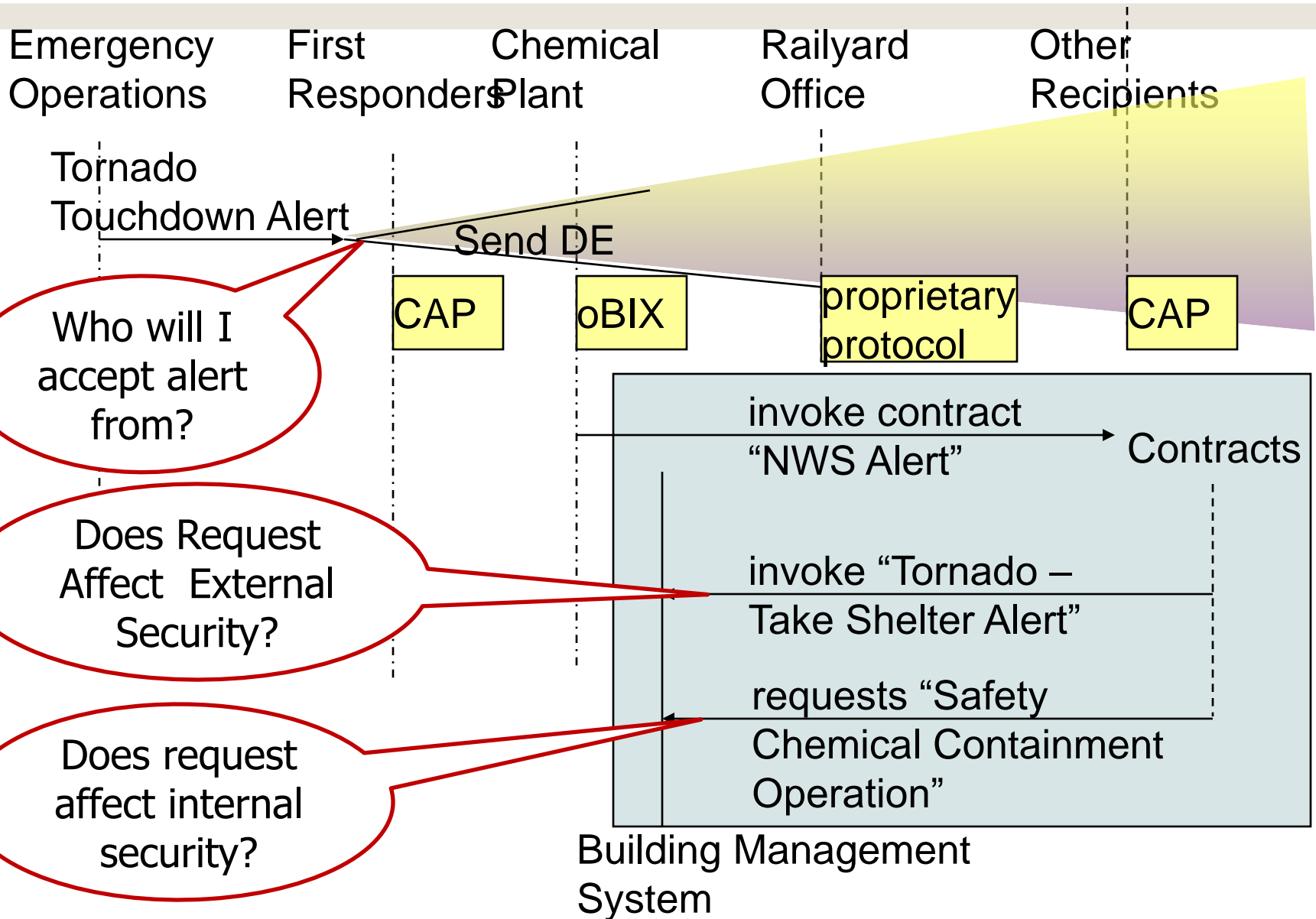
- Situation Aware
- Identity Aware
- Role Aware

- Security enables enterprise to offer more services
 - Not just security services
- New Services means new sources of Revenue
- New Services mean harvesting more value from existing procedures, technologies, and information

- Pervasive Security is Information Intensive
- Cross-linkable data creates Metadata
- Metadata must be secured
 - How people move through (site, facility, ...)
 - What People Do on Site
 - Patterns of Use
 - Google and Microsoft
 - Liability for Privacy Information

- Traditional Model
- Liberty Alliance Model
 - Delegation of Authority
 - French Implementation (Central Authority)
 - Austrian Implementation (Federated Authority)
 - Applications to daily business in US
- Look to models for security that will not increase liability
 - Appearing on the front page of the times is bad for long term profits

Security Enhanced Building Systems



- Discoverable interfaces to home systems
- Configurable as Home Owner has guests / gets ill / whatever
- Share information with 3rd party for Analytics
- Share information with 3rd party maintenance
- Delegatable rights
- Deep knowledge of personal behavior
- Security Risk created for Homeowner
- Liability for damages incurred by homeowner
- Fiduciary Responsibility to purge ex-customers

So you know about your customers...

HOME PAGE MY TIMES TODAY'S PAPER VIDEO MOST POPULAR TIMES TOPICS

The New York Times **Business**
Get Home Delivery

WORLD U.S. N.Y. / REGION BUSINESS TECHNOLOGY SCIENCE HEALTH SPORTS OPINION AI

MEDIA & ADVERTISING WORLD BUSINESS SMALL BUSINESS YOUR MONEY DEALBOOK MARKETS RESEARCH

Bilking the Elderly, With a Corporate Assist



Ozier Muhammad/The New York Times

Richard Guthrie, 92, was tricked into giving banking data to telephone callers, who then stole money from his account, investigators say.

By CHARLES DUHIGG
Published: May 20, 2007

The thieves operated from small offices in Toronto and hangar-size rooms in India. Every night, working from lists of names and phone numbers, they called World War II veterans, retired schoolteachers and thousands of other elderly Americans and posed as government and insurance workers updating their files.

SIGN IN TO E-MAIL OR SAVE THIS

PRINT

REPRINTS

SHARE

ARTICLE TOOLS SPONSORED BY
Waitress

- Security lets more people get to information
- Security means new sources of value
- Security means responsibility for Privacy

- Questions?