

Privacy and Autonomy in a Pervasive Security World

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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

Emergency Operations First Responders Chemical Plant Railyard Office Other Recipients

Tornado Touchdown Alert

Send DE

CAP

oBIX

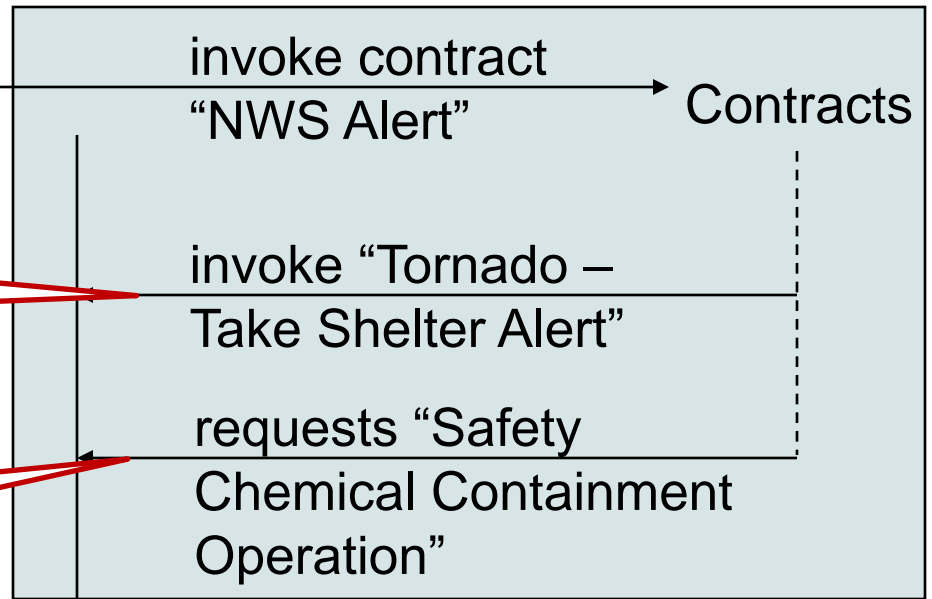
proprietary protocol

CAP

Who will I accept alert from?

Does Request Affect External Security?

Does request affect internal security?



Building Management System

- 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

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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?