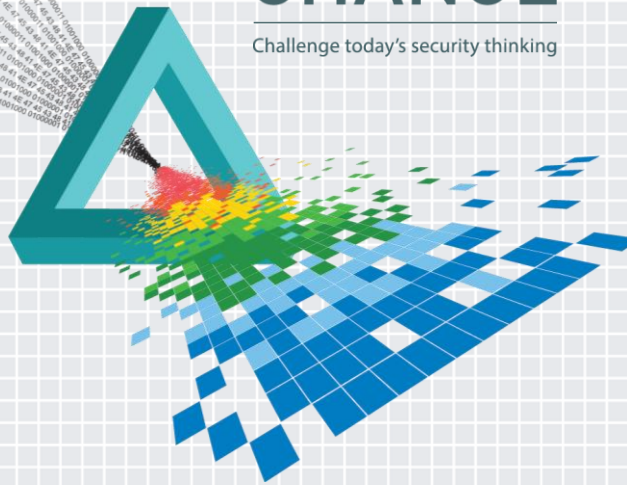
RSAConference2015
San Francisco | April 20-24 | Moscone Center

CHANGE
Challenge today's security thinking



SESSION ID: HUM-W04

What a Relief - It Works! How to Build an Insider Threat Program in 1 Year

Dawn M. Cappelli

Director, Insider Risk Management
Rockwell Automation
@DawnCappelli

Agenda

Convince you that an Insider Risk Program is important (and help you to convince your leadership)

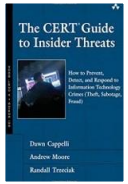
Step by step process for building an Insider Risk Program

Questions??

My Background

Software Engineer, Westinghouse Electric Company 1980-1988

Software Engineer, Carnegie Mellon University and the Software Engineering Institute 1988-2001



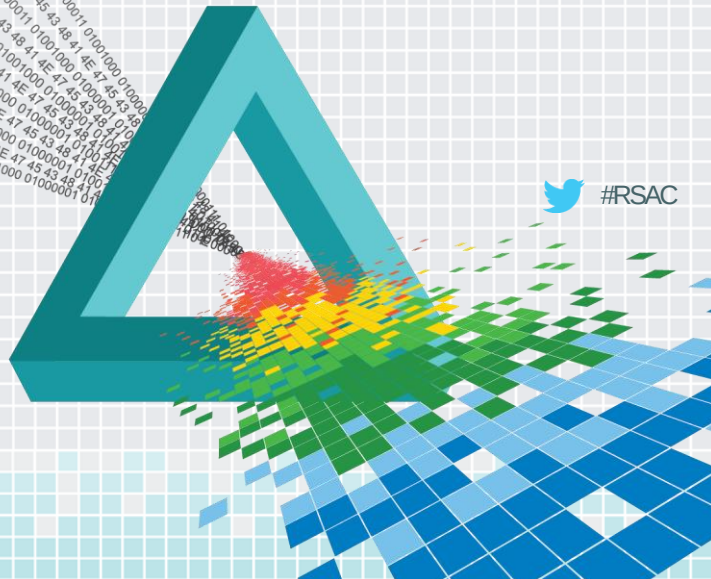
Cybersecurity Researcher, CERT - Carnegie Mellon University Software Engineering Institute 2001-2013

Director, Insider Risk Management, Rockwell Automation 2013-Present

Rockwell Automation

Note: The material in this presentation is based on my experience working with organizations around the world on Insider Threat issues since 2001.

This does not necessarily reflect the Insider Risk program at Rockwell Automation.

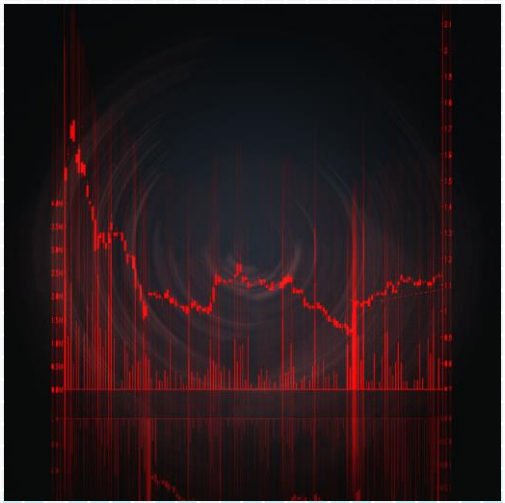


Why is Insider Risk Important?

- Recent global survey by Symantec: Half of employees who left or lost their jobs in the last 12 months kept confidential corporate data

- 40% plan to use it at their new job

Head of an engineering department allegedly was recruited to leave and join another company, and to take trade secrets with him, causing losses of more than $800 million



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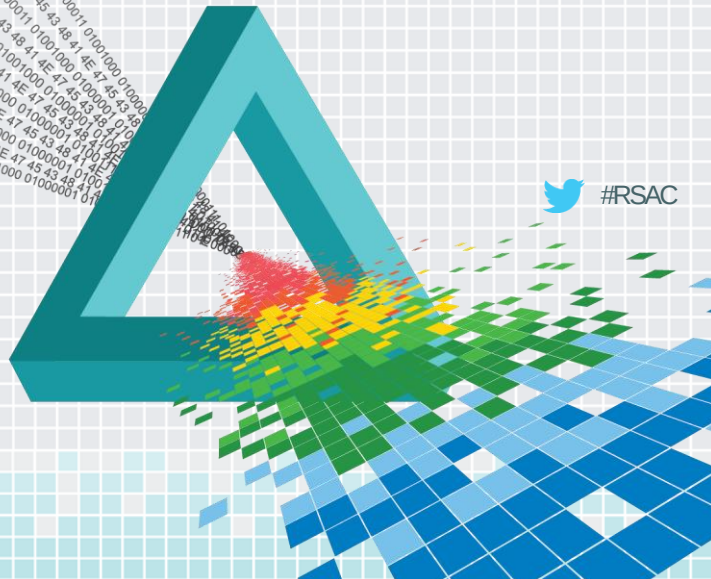
Would you catch this if it happened at your company?



#RSAC

Another Serious Insider Risk

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Insider IT / Cyber Sabotage: An Extremely Serious Threat

Former network engineer sentenced to 4 years in prison and more than $500,000 in restitution for sabotaging his company's systems and disrupting operations for more than a month

Building a Formal Insider Risk Program

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Best Practice #1:
Create the virtual team

The Name is Important!

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Best Practice #2:
Build the foundation with HR and Legal

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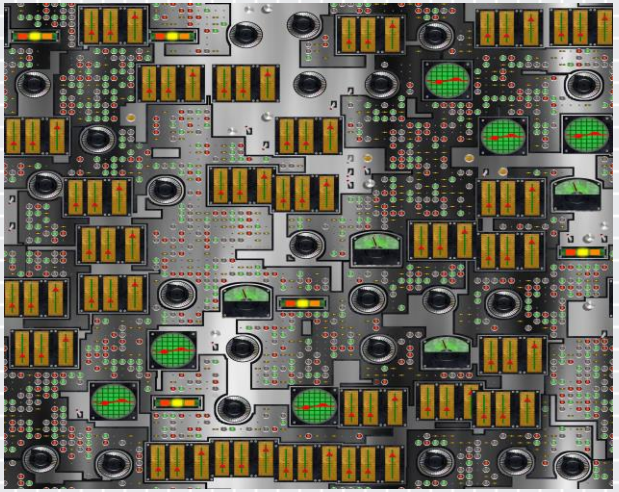
Former programmer sabotaged his company's systems using credentials he harvested before his resignation



Best Practice #3:
Develop a technology roadmap with IT

Engineer charged with stealing more than 2 million files containing trade secrets and sending them to his wife outside the country

Best Practice #4:
Implement continuous risk management

Assets

Points of Vulnerability

High-risk Positions

Threats

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Best Practice #5:
Establish formal processes

Best Practice #6:
Implement the program globally

Best Practice #7: Participate in the Insider Threat Community

Household/
Personal Care

Manufacturing /
Assembly

Heavy Industries

Transportation

Telecommunications

Life Sciences

Packaging

Food & Beverage

Print Publishing

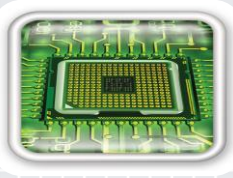
Entertainment

Financial

Research

Retail

Healthcare



Semiconductors /
Electronics

Rockwell Automation

Where to start

- Start building a compelling slideset
- Get IT on board – find out what resources you have available
- Convince a high risk team to do a pilot – involve HR and Legal
- Find an Executive Sponsor

Summary

- We know insider risk is a significant global problem based on:
  - Industry research
  - Cases that have been in the news
- We owe it to our employees, customers, and people everywhere who could be impacted if our:
  - Trade secrets are stolen
  - Products are sabotaged
- If we do not do this:
  - Jobs could be lost
  - Customer information could be compromised
  - Operational impacts at customer sites could have significant consequences

French TV Network TV5Monde Hit by 'Islamist' Hackers

A cyberattack by an "Islamist group" knocked a French television network off the air on Wednesday night, the broadcaster's director said.

NBC News, April 9, 2015

http://www.nbcnews.com/news/world/french-tv-network-tv5monde-hit-islamist-hackers-n338201

Questions?

Contact Information

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