

RSAConference2018

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SESSION ID: TECH-W04

STOP TRANSLATING, START DEFENDING: COMMON LANGUAGE FOR MANAGING CYBER-RISK

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Who is Rockwell Automation?



\$6.3B

FISCAL 2017 SALES

22,000

EMPLOYEES



80+

COUNTRIES

WORLD'S LARGEST COMPANY DEDICATED
TO INDUSTRIAL AUTOMATION AND INFORMATION



**AUTOMATION
SOLUTIONS** for a *broad range
of industries*

SERVING
CUSTOMERS FOR
114 YRS



- Innovation
- Domain expertise
- Culture of integrity & corporate responsibility

ABOVE-MARKET GROWTH | PRODUCTIVITY | INTELLECTUAL CAPITAL >>> **VALUE CREATION**

Industries We Support





UNCLASSIFIED

Mokusatsu: One Word, Two Lessons

BY (b) (3) - P.L. 86-36

Unclassified

Purpose of the Presentation: A Common Language



THE CORPORATE SECURITY ECOSYSTEM



**Rockwell
Automation**



Information Technology



Third Parties



Product Security



Customers



Connected Services



Supply Chain

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The Beginning of our Journey: A New CISO



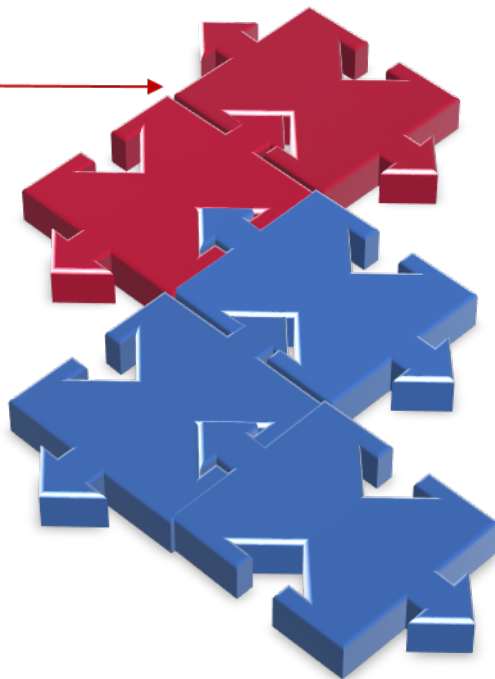
CISO 1.0

Extended Security Team

Business and functional liaison network
Partnership with IT

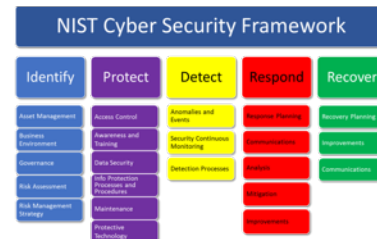
Foundational Programs

Secure Development Environment
Insider Risk Program
Third-Party Risk Program



CISO 2.0

Risk-Based Approach to Developing a Strategy



Transformation to Rockwell Automation's Culture



NIST CSF: (5) Functions, (22) Categories,
(98) Sub-Categories

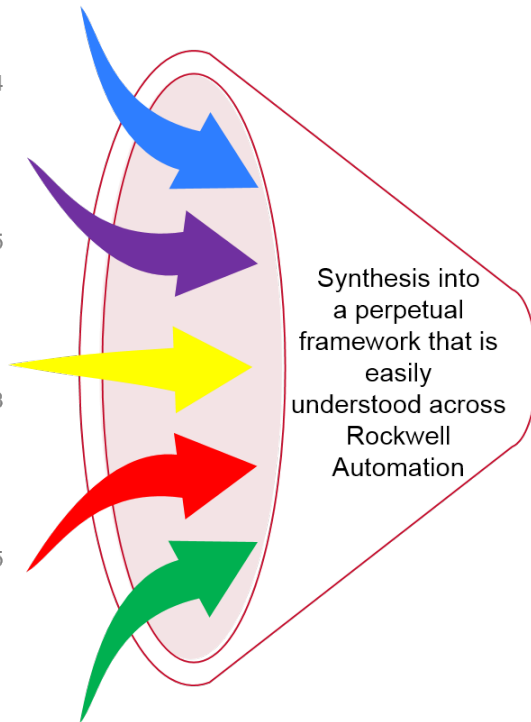
Identify
Category : 5
Sub-Category: 24

Protect
Category : 6
Sub-Category: 35

Detect
Category : 3
Sub-Category: 18

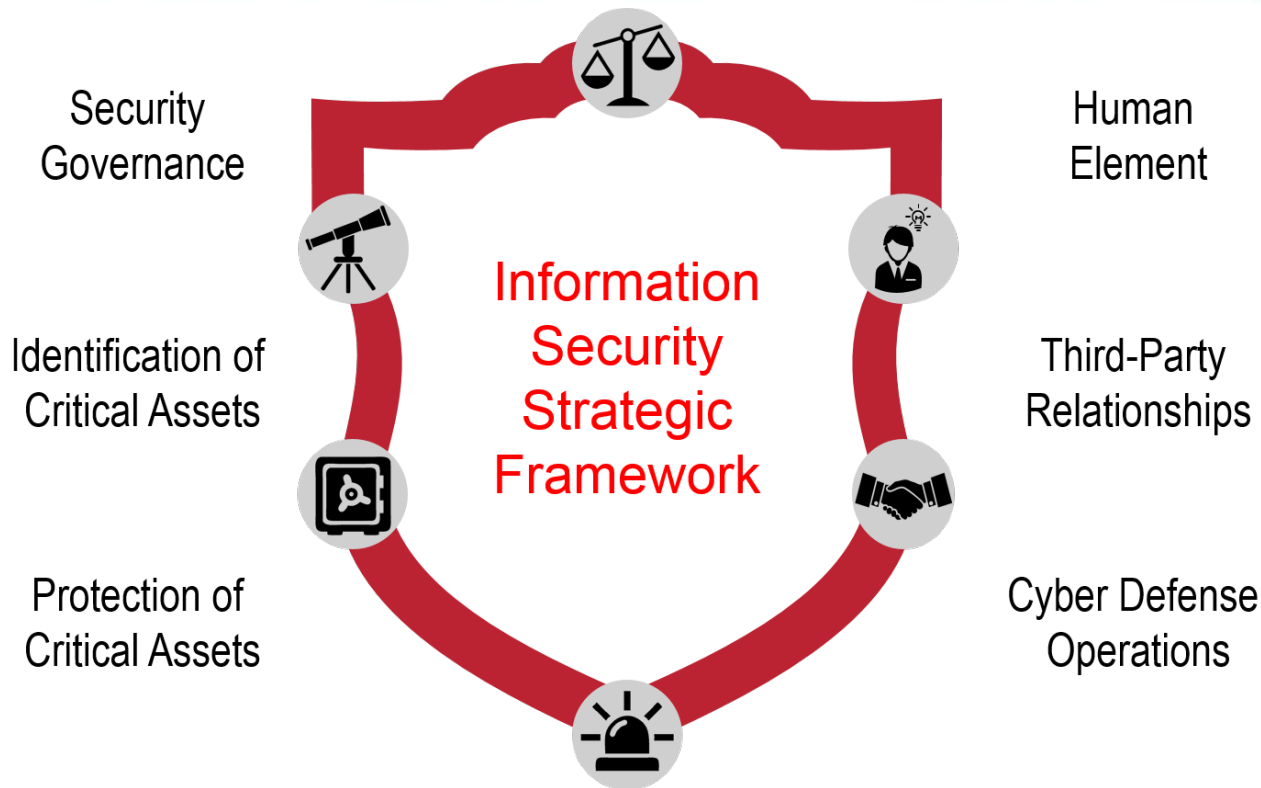
Respond
Category : 5
Sub-Category: 15

Recover
Category : 3
Sub-Category: 6

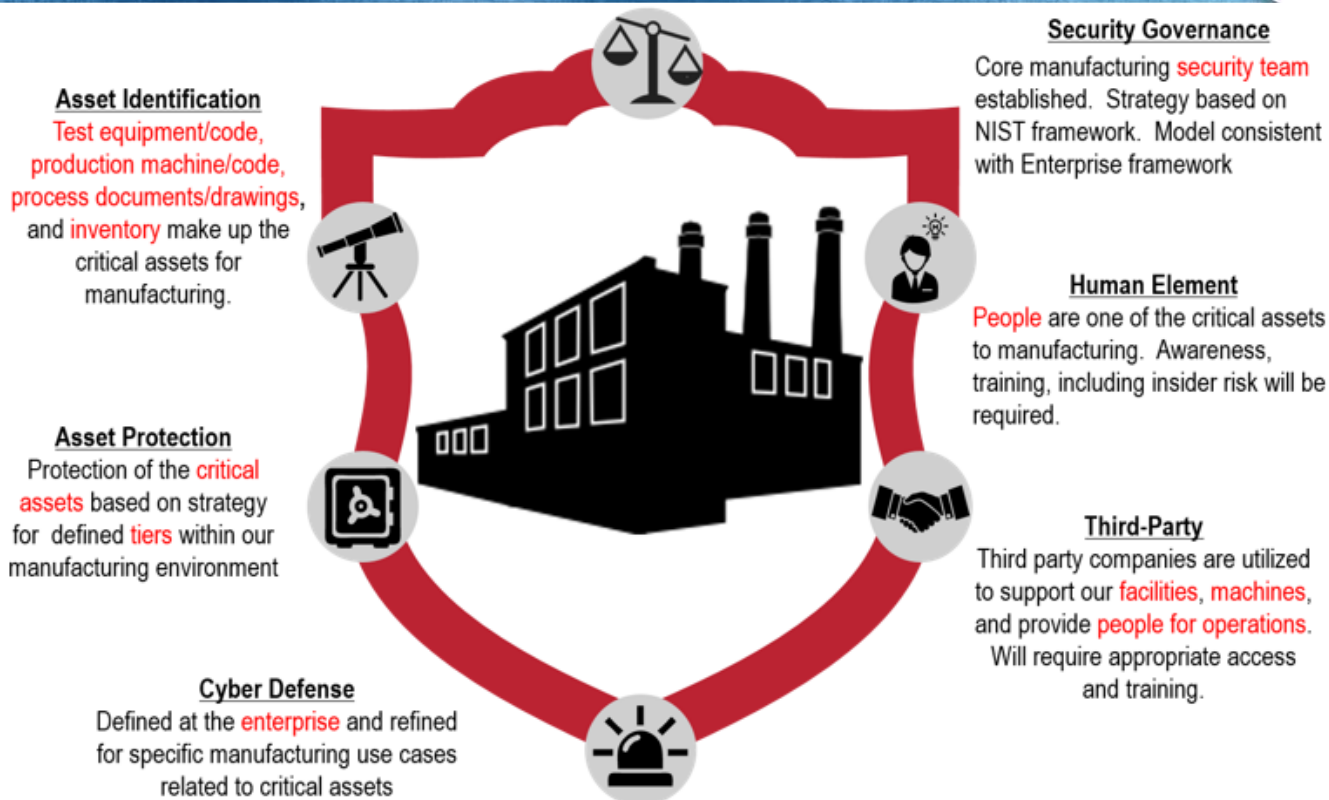


RA Information Security Strategic Framework

The Rockwell Automation Information Security Framework



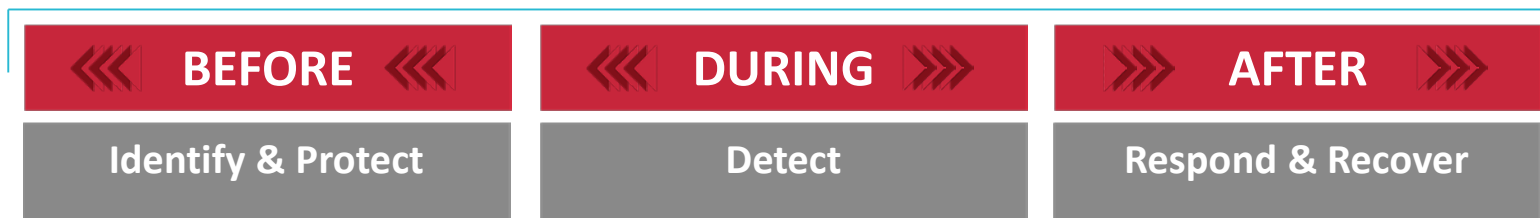
The Rockwell Automation Manufacturing Security Framework



Transforming How we Message to Customers



Attack Continuum



Into the Fire --- How NIST CSF Helped With our Customers



Petya/NotPetya
Ransomware

Tales from the Crypt

Ooops, your important files are encrypted!

Now what?

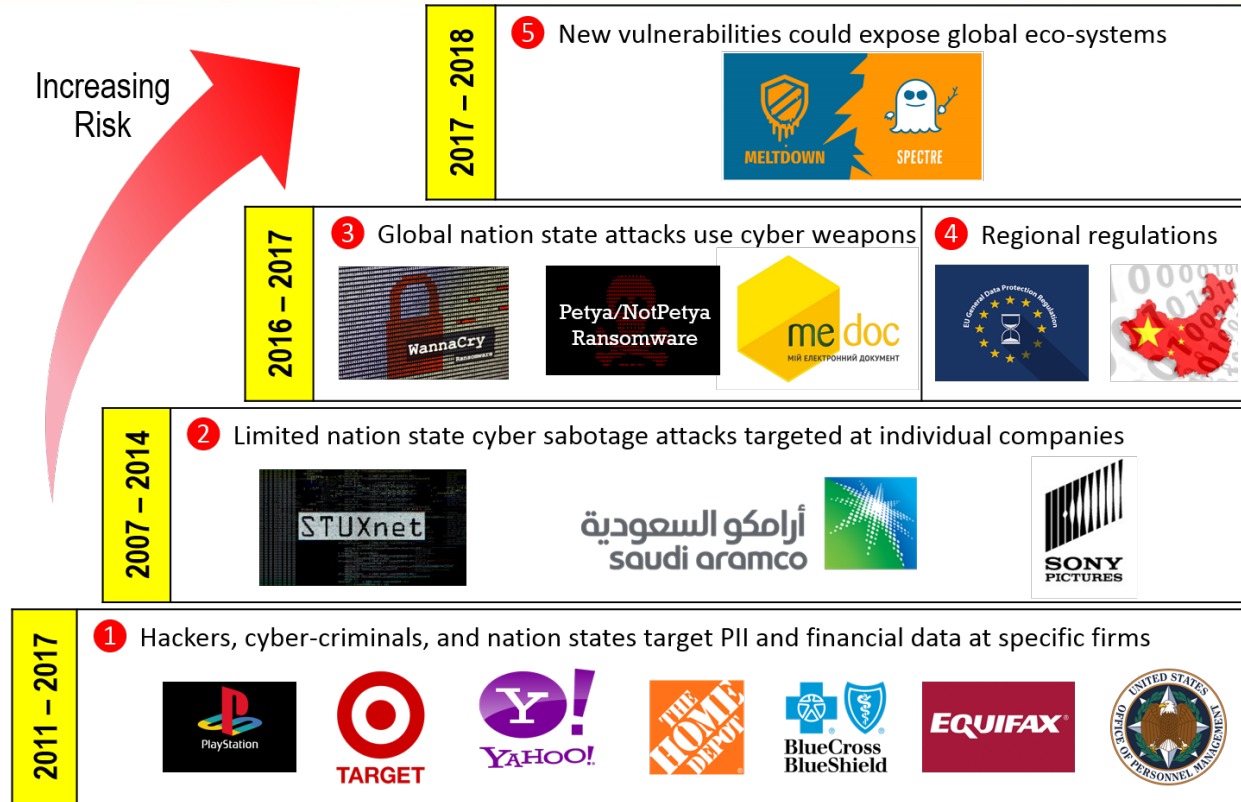
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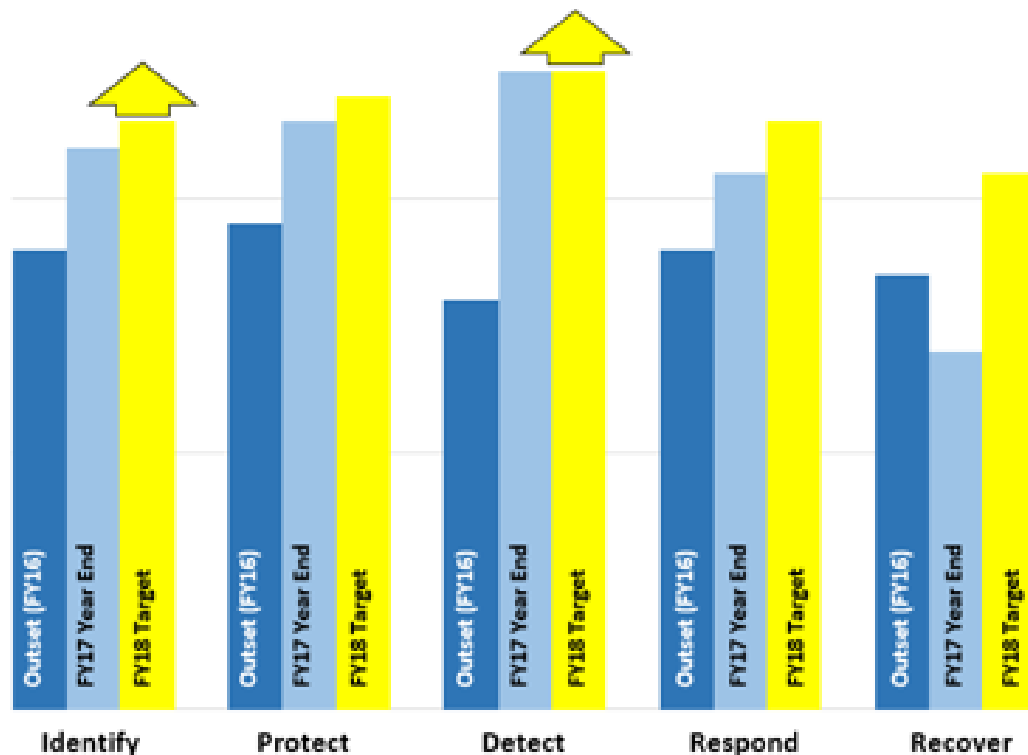
Petya/NotPetya Ransomware

[illegible]

NIST CSF Helps us to Adapt to the Changing Threat Environment



A Common Language with the Board



Where to From Here?



What problem are you trying to solve?

Lack of a strategic framework	Research NIST CSF
Leadership will not support your strategy	Use NIST CSF to develop a strategic roadmap using liaisons from each business and function from across the company
Lack of clear communication with customers or the Board	Use NIST CSF as the common language
Have a strategy for enterprise IT, but not for the rest of your company's cybersecurity ecosystem	Apply NIST CSF to another aspect of your ecosystem, e.g. supply chain, product security, delivery of services to your customers, ...

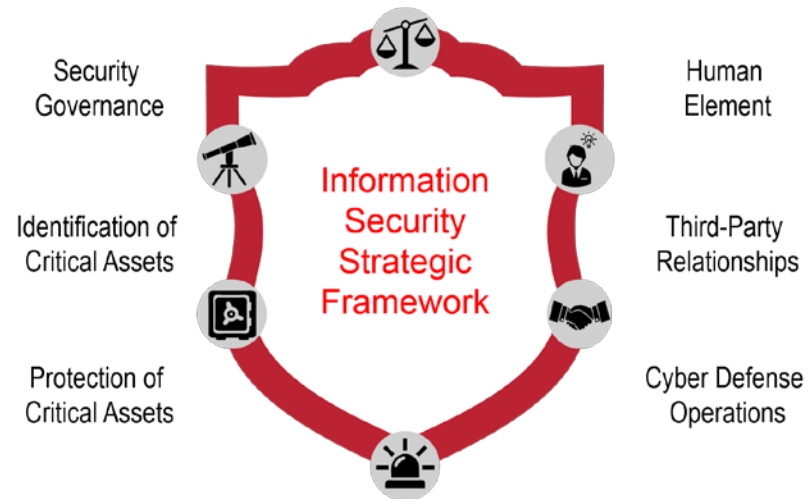
How to Conduct a NIST CSF Workshop



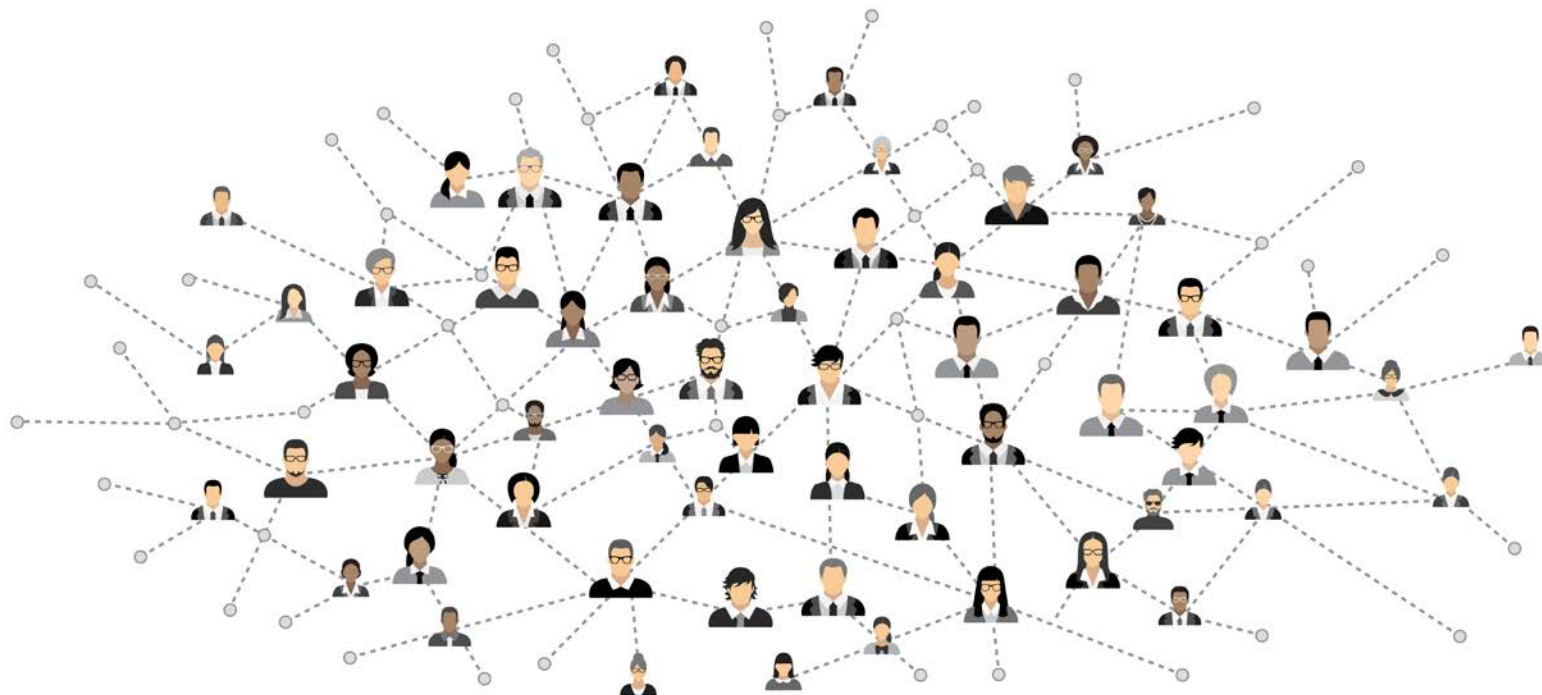
Creating the Strategic plan



- Create a 3-year plan
 - Create scoring charts to convey your plan
 - Transform your plan into a visual representation that will resonate across your company
 - Get to work!
- *P.S. – You should get buy-in since the planning process had representation from across the company*



It Doesn't End Here



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THANK YOU

**Thank you Tim Casey from Intel Corporation for his help getting
started on our use of the NIST CSF!**