

Rick Howard

President CANON

Email: rick@cybercanon.org

Web: cybersecurityfirstprinciples.com

27 Years: US Army

Tactical Networks, Garrison Networks, ACERT (Commander).

20 Years: Commercial

Security Vendor: Counterpane, iDefense/Verisign, Palo Alto Networks (CSO).

Enterprise: TASC (CISO), The Cyberwire (CSO), N2K (CSO).

Advisory Boards: Cyware, Tidal Cyber, Center for Internet Security, Splunk, Leidos.

Teacher

United States Military Academy (Computer Science), Carnegie Mellon University (First Principles).

Community Projects

Cyber Threat Alliance, ISAO Committee, Stanford Cyber Policy Program Advisory Council.

Professional Career

Purpose



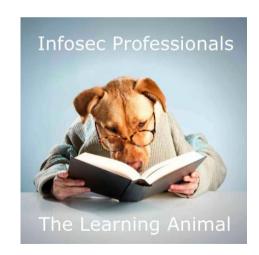
The infosec professional's first source for curated, timeless, and must-consume wisdom.

Problem

Galaxies of Content

Not enough time to consume it all

No way to predetermine the quality





The Infosec Profession's Learning Animal

An insatiable curiosity

Dedicated to lifelong learning

Seek community

Seek mentorship

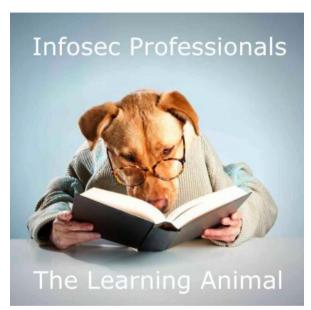
Adaptable and forward-thinking

Technically Proficient

In-depth readers

Challenges



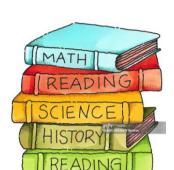


~5.5 Million
have jobs today
(Source ISC2 study 2023)

What Most of us Do

















Our Solution

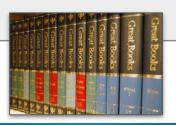
A Learning Hub of accumulated Wisdom SIGNAL V. NOISE



Collected wisdom curated by infosec **Veterans**



A Canon of Literature

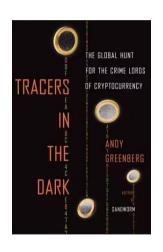


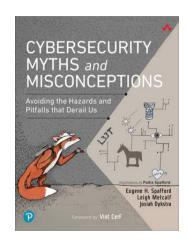
Profession

A Rock and Roll Hall of Fame for cybersecurity books



2024 Hall of Fame Winners







2024 Hall of Fame Winners

Bad Guys Behind

Silk Road

Colonial Pipeline

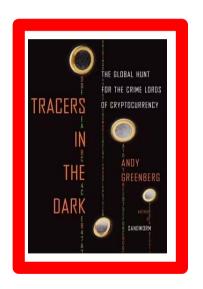
Mt. Gox

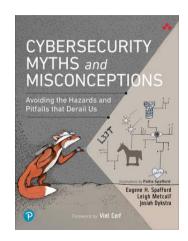
BTC-e

Alpha Bay

Welcome to

Mistesa

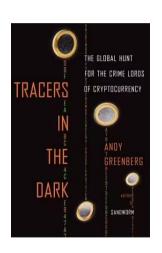


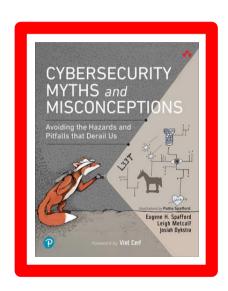




https://cybersecuritycanon.com

2024 Hall of Fame Winners



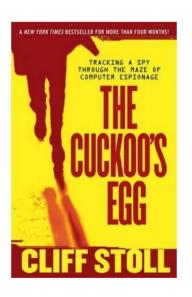


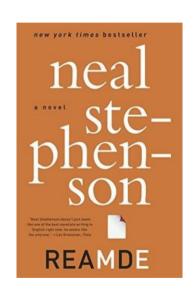


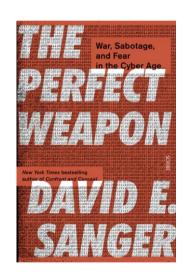
https://cybersecuritycanon.com



My Favorites

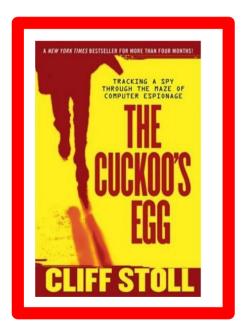




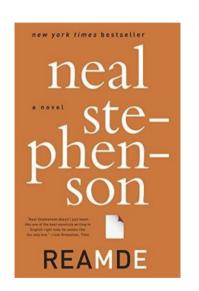


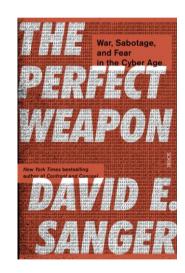


My Favorites





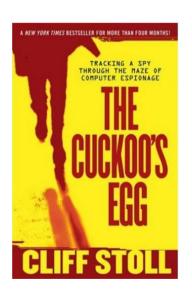


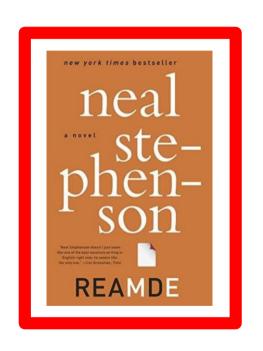


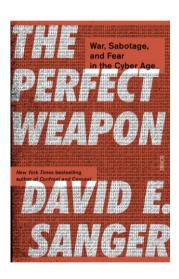


Gaming / Russian & Chinese Hacking

My Favorites

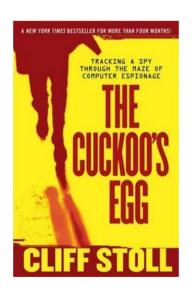


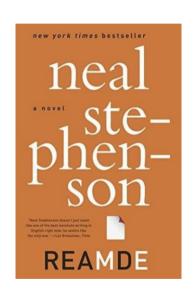




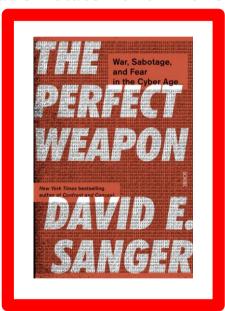


My Favorites





Nation State 2010 - 2018





Vision:

Make a Difference!

DONATE

If all

The F Priz Cyber Bo

The cyb timeless







CYBERSECURITY & DIGITAL TRUST



el Prize r ecurity oks

ated,

Vision:



If all goes well, what will we have built in five years?

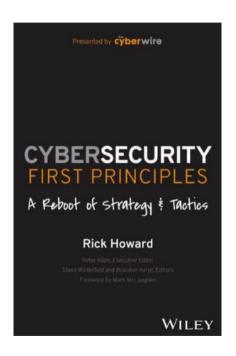
The Pulitzer
Prize for
Cybersecurity
Books

The Rock and Roll Hall of Fame for Cybersecurity Books

The Nobel Prize for Cybersecurity Books

The cybersecurity learning animal's first source for curated, timeless, and must-understand wisdom.

What's Your Favorite Cybersecurity Book?



Best story gets a copy of my book



Where does it go from here?





Rick Howard: Co-founder and President

Cybersecurity veteran, serial CISO, former committee chair, started the canon project while at Palo Alto Networks as the CSO.



Helen Patton: Co-founder and Chief of Staff

Cybersecurity veteran, serial CISO, former committee chair, while CISO at Ohio State University, was the primary driver of the University's sponsorship.



Ben Smith: Co-founder and Treasurer

Cybersecurity veteran, serial field CTO, former committee chair, primarily responsible for turning the canon book club into a nonprofit.







The infosec professional's first source for curated, timeless, and must-consume wisdom.

Presented by cyberwire

CYBERSECURITY FIRST PRINCIPLES

A Reboot of Strategy & Tactics

Rick Howard

Peter Kirge, Executive Editor. Steve Winterfeld and Brandon Kerpf, Editors.

creword by Mark McLaughlin

WILEY





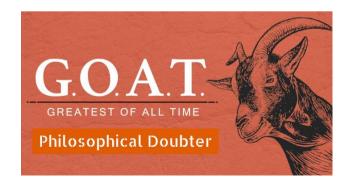
First principle thinking is the idea that everything you do is underpinned by a foundational belief, or first principles.

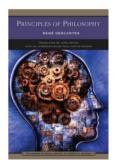
"Cogito ergo sum."
("I think, therefore I am.")

René Descartes

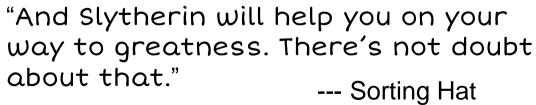
... in order to study the acquisition of [knowledge], we must commence with the investigation of those first causes which are called Principles.















I think it's important to reason from first principles rather than by analogy.... [With first principles] you boil things down to the most fundamental truths...and then reason up from there.











Designated problem space

So

Fundamental



Fundamental

as to be

Self Evident



Fundamental

Self Evident

So

Elementary



Fundamental

Self Evident

Elementary

No Experts Argue Against them



Fundamental

Self Evident

Elementary

No Experts Argue Against them

So

Crucial to understanding



Fundamental

Self Evident

Best practices disintegrate like sand castles



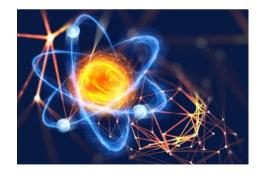
Elementary

No Experts Argue Against them

Crucial to understanding

that without them



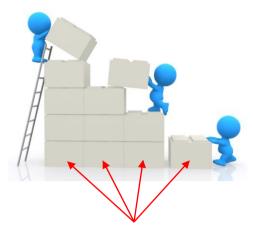


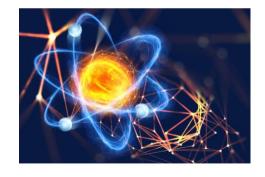




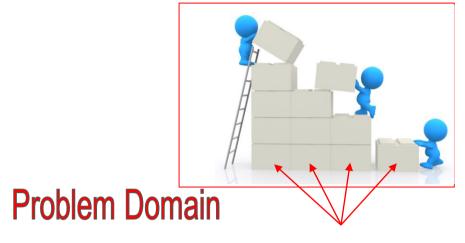
















Fundamental

Self Evident

Elementary

Experts Agree

Crucial to understanding



THE NEXT QUESTION



Fundamental

Self Evident

Elementary

Experts Agree

Crucial to understanding





THE NEXT QUESTION



Fundamental

Self Evident

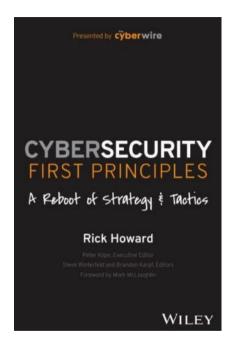
Elementary

Experts Agree

Crucial to understanding

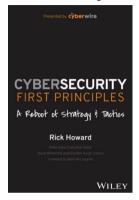
true

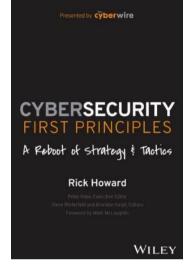
What is the Absolute Cybersecurity First Principle?



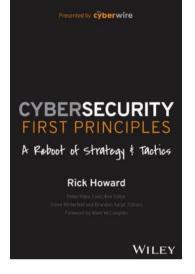


First Principles Book

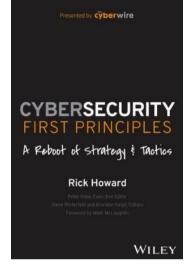




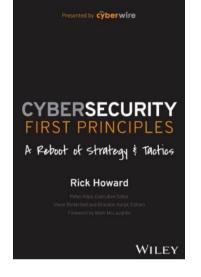


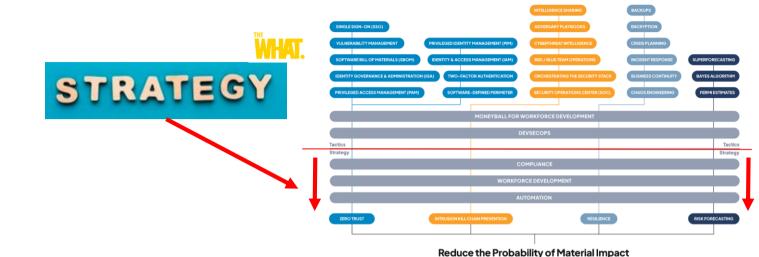


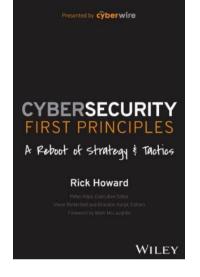


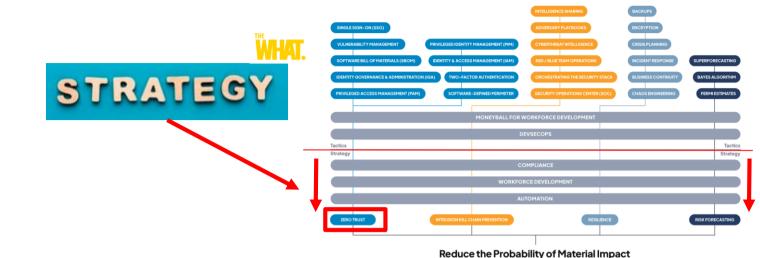


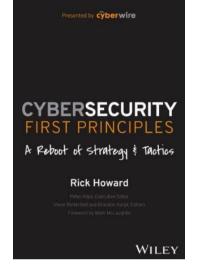




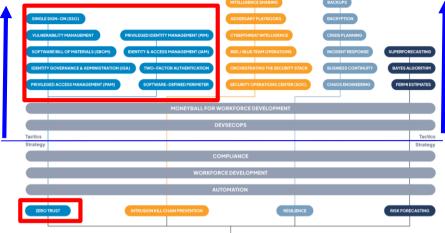


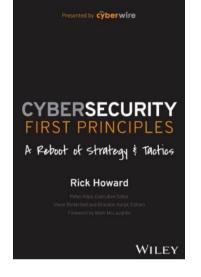


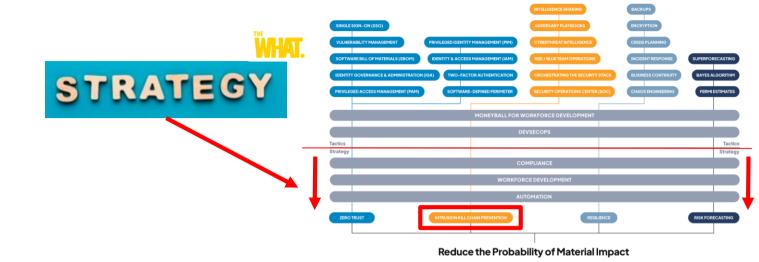


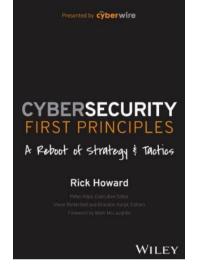




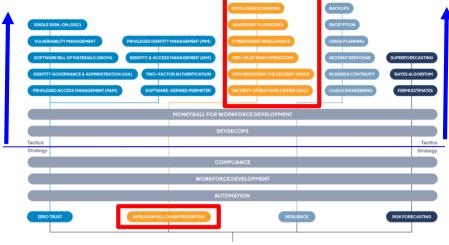






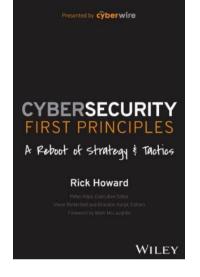


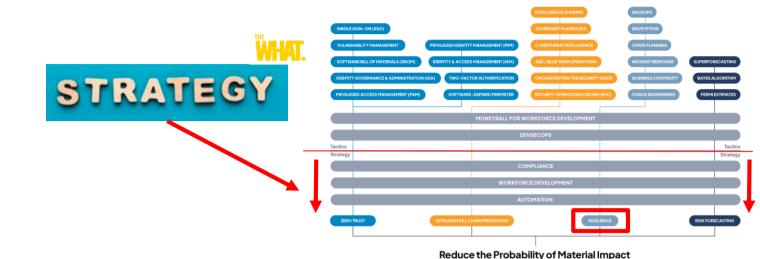


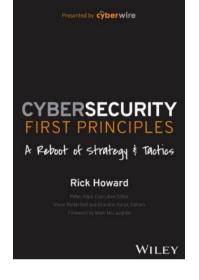


Reduce the Probability of Material Impact

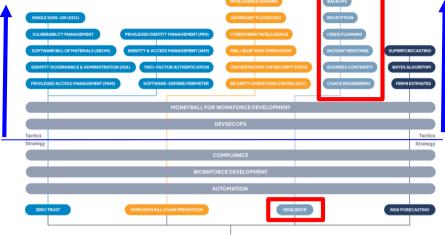


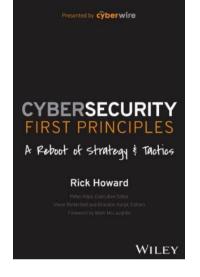


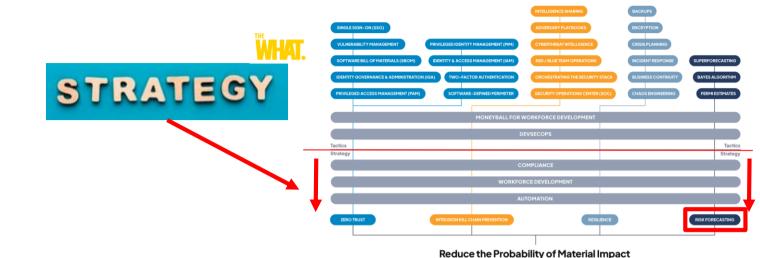


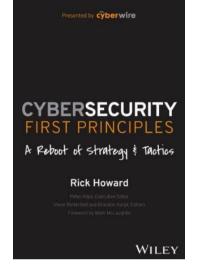




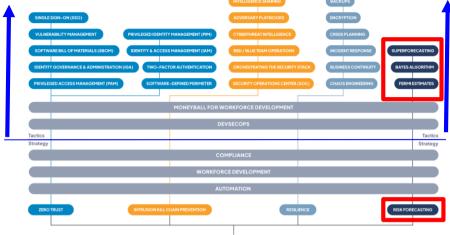


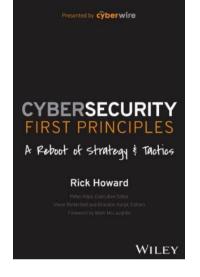


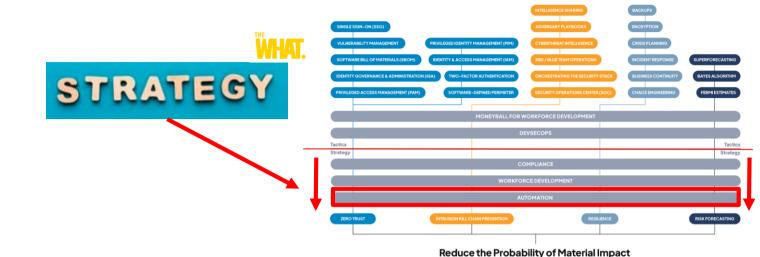


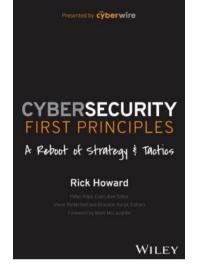




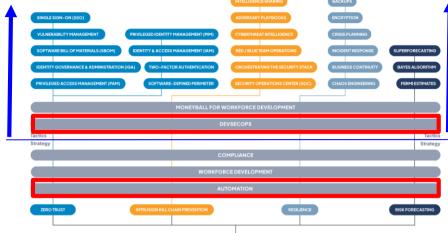


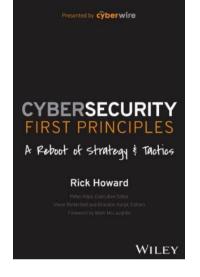


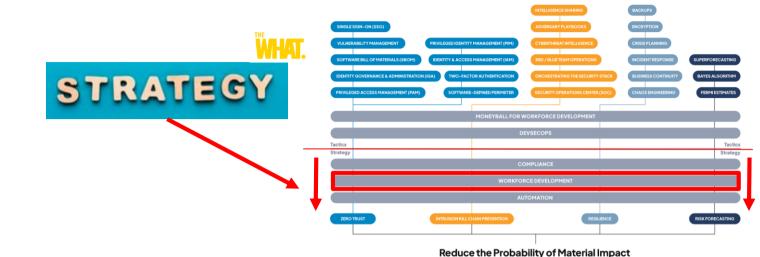


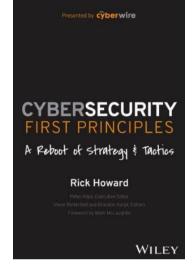




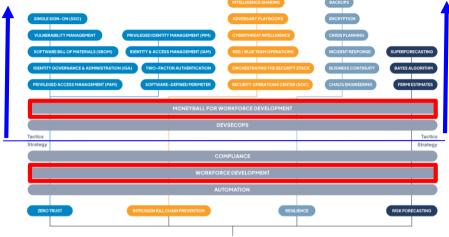


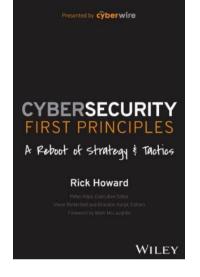


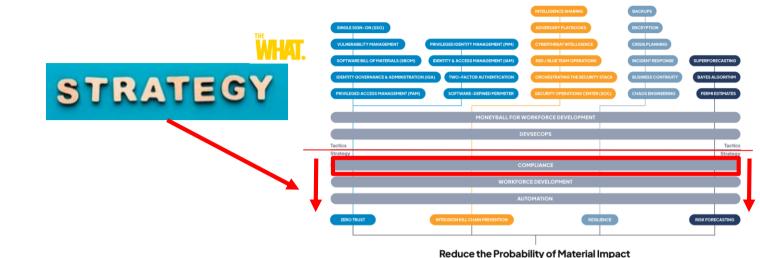


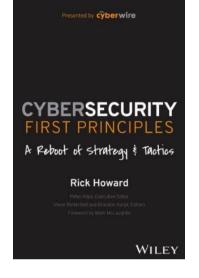


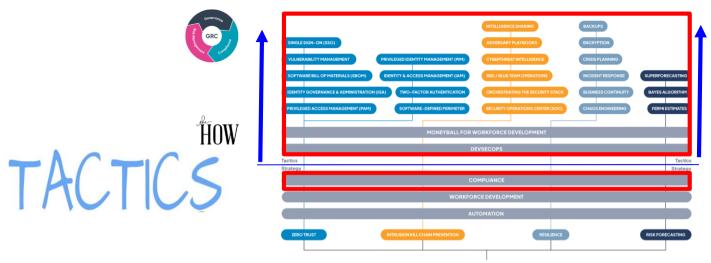


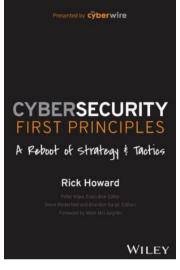




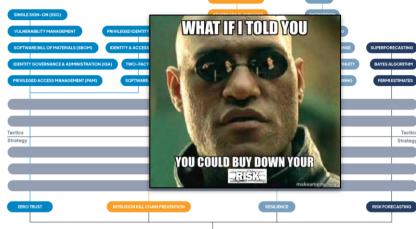












Reduce the Probability of Material Impact







This is what we talked about

What are candidates for the absolute cybersecurity first principle?

What are candidates for the absolute cybersecurity first principle?

The case for the absolute cybersecurity first principle

What are candidates for the absolute cybersecurity first principle?

The case for the absolute cybersecurity first principle

Check out:

Cybersecurity Canon Project. cybersecuritycanon.com



Check out:

Cybersecurity Canon Project. cybersecuritycanon.com



Cyberwire's network of cybersecurity podcasts the cyberwire.com/podcasts



Check out:

Cybersecurity Canon Project. cybersecuritycanon.com



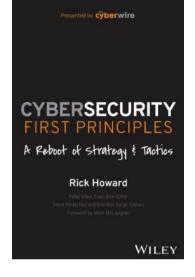
Cyberwire's network of cybersecurity podcasts the cyberwire.com/podcasts



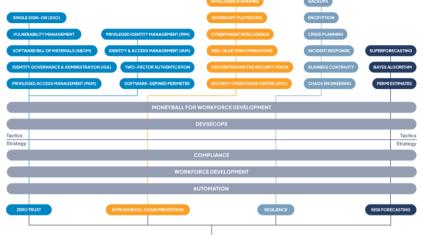
First Principles Book cybersecurityfirstprinciples.com











Reduce the Probability of Material Impact