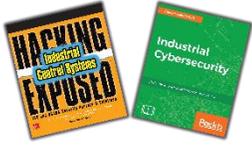


ThreatGEN® Red vs. Blue

Practical Industrial Cybersecurity Training Series

Using cutting-edge technology, combined with proven methods and an innovative & modernized approach, ThreatGEN is the revolutionary new and entertaining way to learn practical and effective industrial cybersecurity and risk management skills, from beginner to technical.



Our Courses are created by world-renown and trusted professionals that literally wrote the books on ICS cybersecurity: Clint Bodungen (lead author) and Aaron Shbeeb of *"Hacking Exposed: Industrial Control Systems"* and Pascal Ackerman, author of *"Industrial Cybersecurity: Efficiently secure critical infrastructure systems"* and *"Modern Cybersecurity Practices: Exploring And Implementing Agile Cybersecurity Frameworks and Strategies for Your Organization"*.

Overview

Defending ICS networks and assets requires more than any single solution and it's not a just matter of deploying *"best practices"* and *"layered defense"*.

A necessary combination of proactive and reactive strategies such as vulnerability assessments, network segmentation, system hardening and threat monitoring, just to name a few, are needed. However, most organizations are often limited in their ability to deploy even the most basic security controls due to lack of required skills. Whether you need security skills training, want to learn how to build an entire industrial cyber risk management program, or just want to learn how to build a cost-effective security strategy on a limited budget, ThreatGEN has a training program that meets your needs. From basics and strategy to practical application and technical hands-on learning, students will learn the technical skills necessary to properly assess threats, vulnerabilities, and risks to their ICS, and how to create targeted defensive strategies. And not just learn. Our Red vs. Blue format gives students the unique ability to apply their skills against active *"adversaries"* working and strategizing against them.



What is Red vs. Blue Training?



Security aware and knowledgeable users serve as the *"front line"* of your overall security posture. As such, training is one of the most essential components of your risk mitigation strategy and overall cybersecurity program. However, without learning cybersecurity from the *"hacker's"* perspective and gaining a true understanding of how adversaries attack and compromise ICS networks and assets, you're only getting half of the picture. Without that other half, you're essentially

blindly deploying generic security controls and *"best practices"*.

Layered defense is a great concept, but few organizations have the resources to deploy every layer effectively, and in most case, it still ends up being a waste of resources.

In order to have an efficient and cost-effective risk mitigation strategy, you must understand not only where your vulnerabilities are, but also the tactics that attackers will use to exploit these vulnerabilities. Red vs. Blue Training provides the opportunity to learn these adversarial tactics in conjunction with the defensive methods; and then students get to apply the skills they learn as they face off in a head-to-head competition, Blue Team (the defenders) against Red Team (the attackers).

Learn with Cutting Edge Computer Gaming & Simulation Technology

Traditionally, red team/blue (or red team vs. blue team) training has been a significant time commitment, often upwards of five days or more. This can be taxing on constrained schedules and budgets. Additionally, there has typically been a significant technical learning curve associated with being able to play the part of the red team. ThreatGEN Red vs. Blue Training uses cutting-edge computer gaming technology to offer all the most valuable aspects of red team/blue team training, but in a fraction of the time and without a technical learning curve. Students of all levels can even play the part of the red team, regardless of experience or skill level. ThreatGEN industrial process simulation technology allows students to get hands-on experience with technical vulnerability assessments and penetration testing methods on ICS equipment in simulated industrial environments.



ThreatGEN® Red vs. Blue consumer version 1.2



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Founded in Sugar Land, Texas in 2017, ThreatGEN delivers a solution to bridge *"the ICS Cybersecurity skills gap"* utilizing its Red vs. Blue Academy and ThreatGEN OT Security Services.

The Red vs. Blue Academy uses cutting-edge computer gamification in ThreatGEN® Red vs. Blue to provide an exciting & modernized approach to industrial cybersecurity training, both practical and cost effective!

ThreatGEN OT Security Services are delivered worldwide by world-renowned Operational Technology (OT) cybersecurity experts (we literally wrote the books industry uses) using strategically chosen partnerships to create a holistic service offering.