4 Ways to Improve Transportation Cybersecurity

HOW CYBER RANGES, AI & GAMIFICATION CAN FORM ELITE CYBER TEAMS

Everything is on the move. People, Agriculture, Water, Power. Materials ranging from home goods to hazardous waste all flow through a messy, complex, public/private interconnected – and increasingly automated – hive of vehicles and transport systems. With the expansion of the transportation industry into the digital domain, it has become ever more alluring and accessible to cybercriminals.

THE TRANSPORTATION INDUSTRY BY THE NUMBERS:

- 18,000+ airports with 785,000 commercial flights a month
- 361 ports and 95,000 miles of coastline
- Billions of passenger trips on mass transit (buses, subway, commuter, etc.) annually
- 4 million miles of roadway with 600,000 bridges and 400 tunnels
- Nearly 20 billion tons of goods transported annually

TODAY, TRANSPORTATION COMPANIES ARE TAKING A HARD LOOK AT HOW TO FILL THE CYBERSECURITY SKILLS GAP SO THEY CAN BETTER PROTECT AND DEFEND THEIR COMPANIES AND THEIR CUSTOMERS.

[LEARN ON CYBER RANGES]
- Simulate company networks to "train as you would fight" in a safe environment
- Learn in various cyberattack scenarios to hone skills
- Participate in hands-on cyber exercises pertinent to the transportation industry

[USE ARTIFICIAL INTELLIGENCE]
- Automate routine cyber tasks to focus on big picture problem-solving
- Augment cyber incident detection and response to improve efficiency
- Think like a malicious hacker by gathering data to make better decisions

[IMPROVE TECHNICAL CAPABILITIES]
- Keep your pulse on the latest theoretical and practical cyber applications
- Assess strengths and weaknesses based on real-time performance indicators
- Prepare for certifications with hands-on learning activities

[USE GAMIFICATION]
- Make skill building fun with gamified cyber activities
- Increase information retention abilities as new skills are "fresh" and memorable
- Refine cyber aptitude with a genuine interest and willingness to grow

"TRANSPORT AGENCIES SHOULD IDENTIFY SPECIFIC INDIVIDUALS NECESSARY TO RECEIVE FURTHER TRAINING AND EDUCATION AS PART OF THEIR PROFESSIONAL DEVELOPMENT AND CAREER PROGRESSION TO ENHANCE THE ORGANIZATION'S INTERNAL CAPABILITIES AGAINST CYBER THREATS."

— SECURITYINFOWatch

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