SANS **Cyber Ranges**

A Continuum of Hands-On Learning

SANS offers a comprehensive suite of hands-on ranges with industry-leading interactive learning scenarios:
- Develop and practice the real-world cybersecurity skills your team needs
- Available online or in-person, any time, anywhere

Why Utilize SANS Cyber Ranges?

- SANS is the most trusted name in cybersecurity
- World-class SANS instructors create our ranges for all skill levels
- SANS ranges can help your team assess candidates, build useful skills, and simulate real-world scenarios
- Your team will be able to apply what they learn in SANS cyber ranges as soon as they return to work
- An ideal way to invest in your team's skills, enhancing retention and preparing them to defend your environment

"NetWars is challenging for all levels of expertise, has great hints if you get stuck, and promotes continuous education."

— Jon-Michael Lacek, Wegmans Food Markets

"Core NetWars was challenging but not frustrating for newbies. This is my first time doing NetWars and it has been a blast."

— Rachael Murray, Northwestern Mutual

	Assessment	Event/Competition	Simulation	
Basic • Foundational skills • Focused on individual contributor	**BootUp CTF** • Beginner to intermediate • A wide spectrum of cybersecurity disciplines • Individual or team-based • Self-paced • 1 to 2 days, scheduled a week in advance • Live scoreboard	**NetWars** • Cutting edge challenges • Compelling integrated storyline • Led by SANS Instructors and Teaching Assistants • Individual or team-based • Multiple versions: Core, DFIR, Cyber Defense, ICS, and Power Grid • 1 day, 2 days, or 4 months, scheduled a month in advance • Live scoreboard • Coin and trophy awards, plus invite to annual Tournament of Champions		
Intermediate • Deeper skills • Real-world scenarios • Focused on individual contributor			**Cyber City** • 1:87 scale miniature physical city • Real-world ICS assets control physical components • Emulates commercial/ residential power, transportation, water, and defense sectors • Individual or team-based • 1 to 5 days, scheduled a month in advance	
Expert • Simulated business-impacting events • Cutting edge attacks and defenses • Focused on team skills			**Jupiter Rockets** • Real-world simulation of enterprise environment • Expert-level penetration test / offensive skill development • Individual or team-based • Self-paced • 1 to 2 days, schedule a month in advance • Live scoreboard	**Cyber STX** • Red-on-Blue range emulating an APT • Protect IT and OT infrastructure under active attack • Teams of 25 to 100+ people • 1 week, but customizable • Significant prep time for the simulation – please schedule 6 months in advance
Pro • Complex, dynamically changing real-world environments • Simulating advanced actors and best-of-breed defenses • Focused on team skills				

Powered by SANS

Jupiter Rockets range   netWars CYBERCITY   netWars

For custom cyber range options or other information, contact us at **ranges@sans.org**