



SANS Institute AIS247
Network Security 2024



SANS Institute AIS247 Network Security 2024 User Guide

[Home](#) » [SANS Institute](#) » SANS Institute AIS247 Network Security 2024 User Guide 

Contents

- [1 SANS Institute AIS247 Network Security 2024](#)
- [2 Product Information](#)
- [3 AI Cybersecurity Summit](#)
- [4 GENERAL INFORMATION](#)
- [5 Feedback Forms and Course Evaluations](#)
- [6 COURSE SCHEDULE](#)
- [7 HOTEL FLOOR PLAN](#)
- [8 BONUS SESSIONS](#)
- [9 Upcoming SANS Training Events](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)



SANS Institute AIS247 Network Security 2024



Specifications

- Product Name: SANS NETWORK SECURITY 2024 Program Guide
- Event Venue: Caesars Palace, Las Vegas, NV
- Contact Phone: 1-[866-227-5938](tel:866-227-5938)

Product Information

The SANS NETWORK SECURITY 2024 Program Guide provides detailed information about the AI Cybersecurity Summit, innovative approaches to AI and Machine Learning in cybersecurity, and special offerings for attendees.

Usage Instructions

General Information

The event will take place at Caesars Palace in Las Vegas. Upon arrival, attendees can check in at the Promenade Foyer for badge and courseware distribution. Snacks and coffee will be provided during breaks. Parking is available for guests staying at the hotel for \$20 per day with in-and-out privileges..

Course Schedule

The program includes various courses such as Windows Forensic Analysis, Advanced Incident Response, Enterprise Cloud Forensics, Advanced Network Forensics, and Cyber Threat Intelligence. Each course has a designated instructor and location within the venue.

FAQ

Q: What should I do if I have dietary restrictions?

A: Please inform the registration support team about any dietary restrictions you may have, and they will assist you accordingly.

- AI: The Next Era
- Network
- Security 2024
- Caesars Palace | Las Vegas, NV
- September 4–9, 2024

SANS NETWORK SECURITY 2024

Welcome Reception

- Wednesday, September 4 | 6:30–8:00 PM
- LOCATION: Neptune Pool (PALACE TOWER, CASINO LEVEL)

Ignite your SANS Network Security 2024 experience in the dazzling city of Las Vegas! Join us for an exciting Welcome Reception hosted outside at the Neptune Pool at Caesars Palace. Get ready to share mind-blowing stories, forge invaluable connections with fellow attendees and SANS faculty, and learn how to make the most out of your time here! Don't miss this epic event—a great and relaxing way to kickoff a full week of training! Beverages (adult and otherwise) and bites will be included. We hope to see you there!

35TH ANNIVERSARY SPECIAL

GET A \$1,700

COMPLIMENTARY CYBER BUNDLE!

As an in-person attendee, you'll receive access to:

- OnDemand Course: AIS247: AI Security Essentials for Business Leaders
- OnDemand Bundle: 4-months access to Network Security course content delivered by the course author, dedicated SME support, extended lab access and practice quizzes to prepare for a GIAC exam.
- AI Cybersecurity Summit @Night: After class, attend Summit evening events and view any talks or workshops missed in your portal account when you get home!

AI Cybersecurity Summit

Learn innovative and practical approaches to incorporating AI and Machine Learning into daily cybersecurity tasks.

Las Vegas, NV | All-Access | September 8–9 At SANS Network Security in Caesars Palace

- All Summit talks and sessions
- A full day of hands-on AI workshops
- Hack AI CTF at evening reception
- Slack and first access to recordings

Free Live Online | Select Content | September 9

- Select talks
- Slack and first access to recordings

Register Now!



Validate Your Training

Add a GIAC Certification attempt to your course.

Get Certified with GIAC Certifications

- yourself as an information security leader
- 30+ GIAC cybersecurity certifications available
- Two practice exams included
- Four months of access to complete the attempt

GIAC Certifications Bundle price: \$979 giac.org

GENERAL INFORMATION

Venue

Caesars Palace

- 3570 Las Vegas Blvd. South
- Las Vegas, NV 89109
- Phone: 1-[866-227-5938](tel:866-227-5938)
- Event Check-In |

Badge & Courseware Distribution

- LOCATION: Promenade Foyer (PROMENADE)
- Tuesday, September 3 4:00–6:00 PM
- Wednesday, September 4 7:00–8:30 AM

Registration Support

- LOCATION: Promenade Foyer (PROMENADE)
- Wednesday, September 4 8:00 AM–5:00 PM
- Location: Siena (PROMENADE)
- Thursday, Sept 5–Sunday, Sept 8 8:00 AM–5:30 PM Monday, Sept 9 8:00 AM–2:30 PM

Course Breaks

- Morning Coffee7:00–9:00 AM Morning Break*10:30–10:50 AM
- Lunch (ON YOUR OWN)12:15–1:30 PM Afternoon Break*3:00–3:20 PM

*Snack and coffee to be provided during these break times.

Parking*

- Self-parking is available for \$20 per day Mon–Wed and \$25 per day Thu–Sun. This does not include in-and-out privileges.
- Guests staying at the hotel will receive daily parking for \$20 per day with in-and-out privileges.
- *Parking rates are subject to change.

Photography Notice

SANS may take photos of classroom activities for marketing purposes. SANS Network Security 2024 attendees grant SANS all rights for such use without compensation, unless prohibited by law.

Feedback Forms and Course Evaluations

SANS is committed to offering the best information security training, and that means continuous course improvement. Your student feedback is a critical input to our course development and improvement efforts. Please take a moment to complete the electronic evaluation posted in your class Slack channel each day.

Wear Your Badge

To confirm you are in the right place, SANS Work-Study participants will be checking your badge for each course and event you enter. For your convenience, please wear your badge at all times.

Bootcamp Sessions and Extended Hours

The following classes have evening bootcamp sessions or extended hours. For specific times, please refer to pages 4–6.

Bootcamps (Attendance Mandatory)

- LDR414: SANS Training Program for CISSP® Certification
- SEC401: Security Essentials: Network, Endpoint, and Cloud
- SEC503: Network Monitoring and Threat Detection In-Depth
- SEC510: Cloud Security Controls and Mitigations
- SEC511: Continuous Monitoring and Security Operations
- SEC540: Cloud Security and DevSecOps Automation
- SEC760: Advanced Exploit Development for Penetration Testers

Extended Hours

- ICS456: Essentials for NERC Critical Infrastructure Protection
- SEC504: Hacker Tools, Techniques, and Incident Handling

COURSE SCHEDULE

Time: 9:00 AM–5:00 PM (Unless otherwise noted)

NOTE: All classes begin at 8:30 AM on Day 1 (Wednesday, September 4)

FOR500: Windows Forensic Analysis (6-DAY COURSE) Ovie Carroll Florentine III (PROMENADE)
FOR508: Advanced Incident Response, Threat Hunting, and Digital Forensics (6-DAY COURSE) Carlos Cajigas Florentine II (PROMENADE)
FOR509: Enterprise Cloud Forensics & Incident Response (6-DAY COURSE) Pierre Lidome Florentine IV (PROMENADE)
FOR572: Advanced Network Forensics: Threat Hunting, Analysis, and Incident Response (6-DAY COURSE) Philip Hagen Florentine I (PROMENADE)
FOR578: Cyber Threat Intelligence (6-DAY COURSE) John Doyle Octavius 19 (PROMENADE SOUTH)
FOR585: Smartphone Forensic Analysis In-Depth (6-DAY COURSE) Heather Mahalik Barnhart Neopolitan IV (PROMENADE)
FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques (6-DAY COURSE) Jim Clausen Livorno (PROMENADE)
ICS410: ICS/SCADA Security Essentials (6-DAY COURSE) Stephen Mathezer Milano V (PROMENADE)
ICS456: Essentials for NERC Critical Infrastructure Protection (5-DAY COURSE) Jason Christopher Neopolitan III (PROMENADE) Hours: 8:30 AM–6:30 PM (Day 1)
ICS515: ICS Visibility, Detection, and Response (6-DAY COURSE) Dean Parsons Roman III (PROMENADE)
LDR414: SANS Training Program for CISSP® Certification (6-DAY COURSE) Eric Conrad Milano II (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 8:00 AM–7:00 PM (Days 2–5) 8:00 AM–5:00 PM (Day 6)
LDR512: Security Leadership Essentials for Managers (5-DAY COURSE) My-Ngoc Nguyen Octavius 11 (PROMENADE SOUTH)
LDR514: Security Strategic Planning, Policy & Leadership (5-DAY COURSE) Mark Williams Octavius 5 (PROMENADE SOUTH)
LDR516: Building and Leading Vulnerability Management Programs (5-DAY COURSE) Jonathan Risto Octavius 1/2 (PROMENADE SOUTH)
LDR520: Cloud Security for Leaders (5-DAY COURSE) Jason Lam Octavius 6 (PROMENADE SOUTH)

LDR521: Security Culture for Leaders (5-DAY COURSE) Lance Spitzner Octavius 3 (PROMENADE SOUTH)
LDR551: Building and Leading Security Operations Centers (5-DAY COURSE) Mark Orlando Octavius 13 (PROMENADE SOUTH)
LDR553: Cyber Incident Management (5-DAY COURSE) Steve Armstrong-Godwin Octavius 15/16 (PROMENADE SOUTH)
SEC301: Introduction to Cyber Security (5-DAY COURSE) Doc Blackburn Octavius 14 (PROMENADE SOUTH)
SEC401: Security Essentials: Network, Endpoint & Cloud (6-DAY COURSE) Ross Bergman Milano I (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–5)
SEC488: Cloud Security Essentials (6-DAY COURSE) Serge Borso Neopolitan I (PROMENADE)
SEC497: Practical Open-Source Intelligence (OSINT) (6-DAY COURSE) Jeff Lomas Pisa (PROMENADE)
SEC503: Network Monitoring and Threat Detection In-Depth (6-DAY COURSE) Andrew Laman Palermo (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–5)
SEC504: Hacker Tools, Techniques & Incident Handling (6-DAY COURSE) Christopher Crowley Roman II (PROMENADE) Hours: 8:30 AM–7:15 PM (Day 1)
SEC505: Securing Windows and PowerShell Automation (6-DAY COURSE) Jason Fossen Milano III (PROMENADE)
SEC510: Cloud Security & DevSecOps Automation (5-DAY COURSE) Brandon Evans Octavius 9/10 (PROMENADE SOUTH) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–4)
SEC511: Continuous Monitoring and Security Operations (6-DAY COURSE) Seth Misenar Capri (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–5)
SEC522: Application Security: Securing Web Applications, APIs, and Microservices (6-DAY COURSE) Dr. Johannes Ullrich Milano VI (PROMENADE)
SEC530: Defensible Security Architecture & Engineering: Implementing Zero Trust for the Hybrid Enterprise (6-DAY COURSE) Greg Scheidel Octavius 21 (PROMENADE SOUTH)

COURSES CHEDULE

Time: 9:00 AM–5:00 PM (Unless otherwise noted)

NOTE: All classes begin at 8:30 AM on Day 1 (Wednesday, September 4)

•

SEC540: Cloud Security & DevSecOps Automation (5-DAY COURSE) Jon ZeollaModena (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–4)
SEC541: Cloud Security Attacker Techniques, Monitoring, and Threat Detection (5-DAY COURSE) Ryan Nicholson..... Octavius 7/8 (PROMENADE SOUTH)
SEC549: Cloud Security Architecture (5-DAY COURSE) David Hazar.....Octavius 20 (PROMENADE SOUTH)
SEC560: Enterprise Penetration Testing (6-DAY COURSE) Jeff McJunkin Roman IV (PROMENADE)
SEC565: Red Team Operations & Adversary Emulation (6-DAY COURSE) David Mayer Octavius 17/18 (PROMENADE SOUTH)
SEC566: Implementing and Auditing CIS Controls (5-DAY COURSE) Brian Ventura..... Neopolitan II (PROMENADE)
SEC573: Automating Information Security with Python (6-DAY COURSE) Michael Murr.....Sorrento (PROMENADE)
SEC575: iOS and Android Application Security Analysis and Penetration Testing (6-DAY COURSE) Jeroen Beckers Milano IV (PROMENADE)
SEC587: Advanced Open-Source Intelligence (OSINT) Gathering and Analysis (6-DAY COURSE) Matt EdmondsonMilano VII (PROMENADE)
SEC588: Cloud Penetration Testing (6-DAY COURSE) Moses FrostMessina (PROMENADE)
SEC595: Applied Data Science & AI/Machine Learning for Cybersecurity Professionals (6-DAY COURSE) David Hoelzer Roman I (PROMENADE)
SEC617: Wireless Penetration Testing & Ethical Hacking (6-DAY COURSE) Larry Pesce Milano VIII (PROMENADE)
SEC760: Advanced Exploit Development for Penetration Testers (6-DAY COURSE) James ShewmakerAnzio (PROMENADE) Hours: 8:30 AM–7:00 PM (Day 1); 9:00 AM–7:00 PM (Days 2–5)

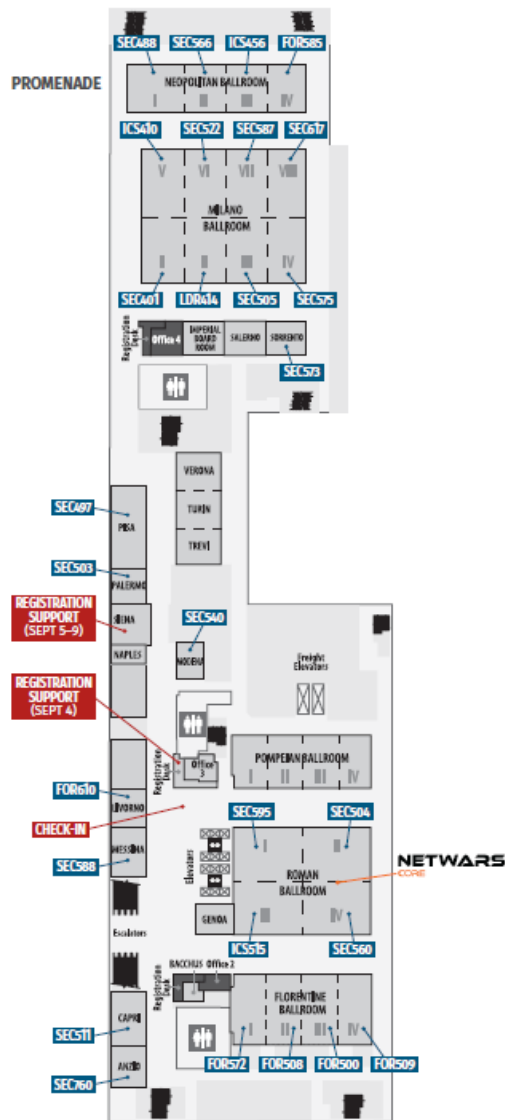
Develop and practice real-world skills to be prepared to defend your environment.

- Saturday, September 7 & Sunday, September 8 6:30–9:30 PM | Roman II/IV (PROMENADE)
- NetWars takes the concepts in the class and gives you an opportunity to put them into action. Highly recommended!
- —Kyle McDaniel, Lenovo
- All In-Person students who registered to attend a course at SANS Network Security 2024 are eligible to play CORE NetWars for FREE.
- Space is limited. Please register for NetWars through your SANS Account Dashboard.

HOTEL FLOOR PLAN

The floor plan shows the Octavius Ballroom divided into a grid. The top section is labeled 'OCTAVIUS BALLROOM' and the bottom section is labeled 'AI CYBERSECURITY SUMMIT'. The grid has columns numbered 1 to 23 and rows numbered 7 to 16. Various rooms and areas are labeled with codes and names, and their locations are indicated by arrows. The labels include: LDR553, EC301, OR551, balcony, OR512, EC510, EC541, LDR520, LDR514, LDR521, LDR516, SEC565, FOR578, SEC549, SEC530, OCTAVIUS BALLROOM, AI CYBERSECURITY SUMMIT, TUSCANY, and UMBRIA.

- Thursday, Friday, and Saturday
- LOCATION: Registration Desk (PROMENADE)
- We will be offering test drives of the AI Tutor prototype during this event before and after class and during breaks. The AI Tutor will support students in their SANS courses through chat mode, review mode, and tutor mode. Your feedback will help guide our development. Check the event Slack channel for more information!



BONUS SESSIONS

- Enrich Your SANS Experience!
- Talks by our faculty and selected subject-matter experts help you broaden your knowledge, get the most for your training dollar, and hear from the voices that matter in network and computer security.

SPONSORSHIP EVENT

Veeam Lunch & Learn

- Wednesday, September 4 | 12:30–1:15 PM
- LOCATION: Roman IV (PROMENADE)

RECEPTION

- SANS Network Security 2024 Welcome Reception

Wednesday, September 4 | 6:30–8:00 PM | LOCATION: Neptune Pool Join us to share mind-blowing stories, forge

invaluable connections with fellow attendees and SANS faculty, and learn how to make the most out of your time here! Don't miss this epic event—a great and relaxing way to kickoff a full week of training! Beverages (adult and otherwise) and bites will be included. We hope to see you there!

SPONSORSHIP EVENT

- Sponsorship Expo – Breakfast and Lunch
- Thursday, September 5 | 7:30–9:00 AM | 12:15–1:30 PM
- LOCATION: Pompeian I/II (PROMENADE)

RECEPTION

Cyber Connections:

- Pre-Keynote Networking Reception
- Thursday, September 5 | 5:30–6:30 PM

LOCATION: Pompeian Foyer (PROMENADE) Join us for an exciting pre-keynote reception where you can network, expand your cyber community, and engage with fellow industry experts and professionals. This is the perfect opportunity to connect with like-minded individuals, share insights, and build lasting relationships. Enjoy an evening of stimulating conversations over drinks and bites, setting the stage for the insightful keynote presentation by Daniel Miessler. Don't miss out on this chance to mingle and prepare for a transformative session on leveraging AI in your security program.

FEATURED KEYNOTE

- How to Run Your Security Program Using AI Before Someone Else Does
- Thursday, September 5 6:30–7:30 PM
- LOCATION: Roman I (PROMENADE) SPEAKER: Daniel Miessler, Founder of Unsupervised Learning & Creator of Fabric AI
- In this talk, Daniel Miessler (ex. Apple, Robinhood, IOActive, HP) talks through the most common time-sinks with running a security program, like constantly being in pitch mode, constantly needing to create the next report, the next presentation, etc.. It then shows how you can onboard your entire program, from your mission to your goals to your metrics to your projects—right into a LOCAL AI SYSTEM. From there he shows how you can continuously manage all of your metrics updates, communications, and other time-intensive activities from that single system. Most importantly, the talk details how this is not theoretical or in the distant future. Large consultancies are preparing to come to our CEOs and CIOs right now with a similar system, and we need to be ready.

SPECIAL EVENT

Secure Your Strength: SANS HIIT Bootcamp Class
Friday, September 6 | 7:00–8:30 AM

LOCATION: Pompeian I (PROMENADE)

Kickstart your Friday with our first ever SANS HIIT workout class! Suitable for all fitness levels, this fast-paced class combines cardio and strength moves to ignite your metabolism and boost your energy. It's a fantastic way to connect with fellow attendees and get your blood pumping mid-week. Mats and a water station will be provided. Post workout, stick around for some refreshments to hydrate and refuel before class begins!

NOTE: Capacity is limited and available on a first come, first served basis.

PRIVATE EVENT

SANS Network Security 2024 AlumNight: Powered by ICS Security + Offensive Operations

Friday, September 6 | 5:30–6:30 PM

LOCATION: Pompeian I (PROMENADE)

- “Once a SANS Alumni, Always a SANS Alumni”
- Embark on your cybersecurity journey and make it unforgettable! Whether it’s your first SANS event or you’re returning, join the industry’s premier gathering of cybersecurity professionals! Experience an electrifying celebration where networking, food, drinks, giveaways, and dynamic expert discussions converge. Connect with fellow SANS Alumni and Instructors in a vibrant atmosphere. This is more than an event; it’s an immersive experience that fuels your passion for cybersecurity and fosters invaluable connections.
- NOTE: Capacity is limited and available on a first come, first served basis.

ALUMNIGHT HANDS-ON WORKSHOP

- Offensive Operations CTF
- Friday, September 6 | 6:45–9:45 PM | LOCATION: Roman II (PROMENADE)
- This exciting event highlights the large variety of offensive skills taught across multiple courses in the Offensive Operations curriculum. Test your skills against challenges based on network penetration testing, web, and binary exploitation as well as programming and forensics challenges.

Prerequisites

- Players are expected to have rudimentary knowledge of the Linux and Windows operating systems
- Players should feel comfortable with computer networking
- Players are encouraged to have experience with hacking distros: Kali Linux, ParrotOS, Pentoo
- Previous CTF experience is encouraged

NOTE: Capacity is limited and available on a first come, first served basis.

ALUMNIGHT SANS@NIGHT TALK

- Aye Yai Yai! Managing the Complexity of Industrial Artificial Intelligence (IAI)
- Friday, September 6 | 6:45–7:45 PM | LOCATION: Roman I (PROMENADE) SPEAKER: Jason Christopher, SANS Certified Instructor
- The past few years have seen an explosion in the discussions around artificial intelligence thanks to the likes of ChatGPT, Midjourney, and other consumer-based AI products. All of this buzz was bound to reach the C-Suite, and sure enough it has—but how can we address the promises (and risks) associated with AI in our industrial environments? In this presentation, we will unpack the loaded term “artificial intelligence” and examine the use cases present within industrial operations. Several vendors have jumped on the chance to incorporate AI, but is it all fluff? Or is SkyNet alive and walking amongst us? Something in between? Industrial Artificial Intelligence (IAI) is already being positioned in front of eager executives that want to maximize productivity and margins—learn more during this presentation and bring actionable insights back to your organization to drive decision-making for what works (and what doesn’t) in this new field.

- NOTE: Capacity is limited and available on a first come, first served basis.

SPECIAL EVENT

- SANS Inaugural Villages – A Three-Part Experience: Intro to CTFs | Web Workshops | Speed Run CTF
- Friday, September 6 & Saturday, September 7 | 6:45–9:45 PM LOCATION: Pompeian II (PROMENADE)
- Join in this exciting opportunity to hone your skills via a NEW village setting with your peers. We've planned an exciting multifaceted event to take place over not one, but TWO nights at Network Security 2024. Take part in any one or all parts of our SANS Villages!
- NOTE: These (3) Village experiences occur concurrently. Feel free to curate your own experience by freely roaming from one to the other!

VILLAGE 1: Introduction to CTF (Capture the Flag)

Capture-the-Flag (CTF) competitions range in style and difficulty but every CTF offers a wealth of knowledge. After an initial baselining on CTF basics, the focus of this workshop relates to how both technical and non-technical skills

learned through participation can be applied to real-world scenarios. This workshop excites the value of CTFs and what they stand to gain by playing! Turn these fun puzzles into real-world skills to apply in your career.

Workshop Outline:

- CTF Styles
- Types of Challenges
- Technical Skills, Tools, and Techniques
- Non-Technical Skills
- Socializing and Teamwork
- Post-CTF
- Resources
- Conclusion

VILLAGE 2: Web Workshops

ThreatShop is an interactive workshop designed to be a hands-on, practical experience to learn about web application security. Attendees will learn the top web vulnerabilities through a guided hands-on approach. Each exercise contains information on the vulnerability and an example of vulnerable code. After attempting the exercise, you'll have a walkthrough allowing you to complete the task on your own. Apply what you've learned in the Speed Run CTF!

Topic Areas

- Module – Introduction to Web Fundamentals
- Module – Understanding Web Communications
- Module – Practical Web Tools for Security Testing
- Exercise – Insecure Direct Object Reference (IDOR)
- Exercise – Path Traversal
- Exercise – SQL Injection
- Exercise – Server-Side Request Forgery (SSRF)
- Exercise – Cross-Site Scripting (XSS)

- Exercise – Insecure Deserialization

VILLAGE 3: Speed Run CTF Think you're fast? Prove it.

This adrenaline-pumping Capture the Flag (CTF) event is unlike any other. Anyone can solve a CTF challenge with enough time. This tournament is about proving you can think fast and act decisively. This isn't your average CTF... it's a race against the clock.

Two Minutes Per Challenge—Can you handle the pressure?

Variety of Challenges—Test your skills in a wide range of CTF categories from cryptography to web exploitation. Three Hours of Intensity—Solve as many challenges as you can in the three-hour tournament window—every second counts!

SANS@NIGHT

Generative AI Security Essentials

Saturday, September 7 | 5:30–6:30 PM

LOCATION: Pompeian III/IV (PROMENADE)

SPEAKER: Dan deBeaubien, Head of Innovation at SANS Institute

This presentation, "Generative AI Security Essentials," offers a non-technical overview tailored for decision-makers and AI beginners. Join us as we navigate the challenges and opportunities presented by AI, equipping you with the essential knowledge to harness its potential while safeguarding your organization against emerging threats. Refreshments and snacks will be provided.

CYBER RANGES

Core NetWars Tournament

Saturday, September 7 & Sunday, September 8 | 6:30–9:30 PM LOCATION: Roman II/IV (PROMENADE)

All students who register for a 4–6 day course will be eligible to play NetWars for free. Registration for this event will be through your SANS Account Dashboard.

WORKSHOP

Offensive AI for Social Engineering and

Deep Fake Development

Saturday, September 7 | 6:45–9:45 PM | LOCATION: Roman III (PROMENADE) SPEAKER: Foster Nethercott, United States Marine Corps Veteran | MSISE | GIAC x 10 In recent years, the popularization of Artificial Intelligence has not only advanced technological capabilities but has also sparked a wave of curiosity among hackers, who are exploring the question, "How can I break this?" From the early jailbreaks of security controls to malware development to polymorphic code capable of defense evasion, the abuse of AI is rampant. While these abuses are valuable tools for penetration testers, they neglect a crucial vulnerability in any organization—the end user. This workshop is designed for cybersecurity professionals aiming to illuminate how bad actors are using AI to manipulate, deceive, and exploit individuals ultimately resulting in a breach of defenses.

The purpose of these hands-on exercises is to demonstrate the abilities of these technologies and their threats of misuse, leaving you with the necessary skills to use and counter AI-based cyber threats.

SPECIAL EVENT

- Birds of a Feather: Open Mic Night
- Saturday, September 7 | 7:00–9:00 PM
- LOCATION: Pompeian I (PROMENADE) Join us for a bit of fun and music! Let's gather in the evening for some instrument playing and karaoke-style singalongs! It will be a laid-back, no pressure get-together with fellow students and some SANS faculty and staff. Join us and sing along to classics like American Pie and Country

- Roads. If you are so inclined, bring your own instrument! Snacks and beverages will be provided.

SANS@NIGHT

- AI in Your CI/CD Pipeline: Driving Code Review
- Sunday, September 8 | 7:00–8:00 PM
- LOCATION: Roman I (PROMENADE)
- SPEAKER: David Hoelzer, SANS Fellow
- Every security standard requires code reviews. How well is your organization doing? Are all code changes peer-reviewed for security issues? How thorough are those reviews?

Are some of them “token” reviews?

- David Hoelzer will discuss a brand new open-source project that hooks into your CI/CD pipeline. This tool reviews all changes in your code base and flags changes that are likely to be security impacting, allowing automatic escalation of security critical code changes. Come and learn how this works and how to get started!

SAVE THE DATE

SANS Network Security 2025 is returning to Caesars Palace September 22–27, 2025

Upcoming SANS Training Events

- Offensive Ops – Baltimore Baltimore, MD Hybrid Sep 16–21
- Managing Security Risk – Live Online Virtual (ET) Sep 23–28
- Stay Sharp: September Virtual (CT) Sep 30–Oct 4
- Big Easy – New Orleans New Orleans, LA Hybrid Sep 30–Oct 5
- Northern Virginia: Special Edition Dulles, VA In Person Oct 7–11
- Dallas Fall Dallas, TX Hybrid Oct 14–19
- Rocky Mountain Fall Denver, CO Hybrid Oct 21–26
- Orlando Fall Orlando, FL Hybrid Oct 28–Nov 2
- HackFest Hollywood Universal City, CA Hybrid Oct 28–Nov 4
- Stay Sharp: November Virtual (CT) Nov 6–8
- DFIRCON Miami: Special Edition Coral Gables, FL Hybrid Nov 17–23
- Golden Gate San Francisco San Francisco, CA Hybrid Nov 18–23
- Seattle Seattle, WA Hybrid Dec 2–7
- Cyber Defense Initiative® Washington, DC Hybrid Dec 13–18
- Nashville Winter Nashville, TN Hybrid Jan 13–18
- Stay Sharp: Jan Virtual (ET) Jan 21–23

Cyber Security East: Jan Virtual (ET) Jan 27–Feb 1


- San Francisco Winter San Francisco, CA Hybrid Jan 27–Feb 1
- Cyber Security Central: Feb Virtual (ET) Feb 3–8

- New Orleans New Orleans, LA Hybrid Feb 17–22
- San Diego Winter San Diego, CA Hybrid Feb 24–Mar 1

Security East Baltimore Baltimore, MD Hybrid Mar 3–8

- SANS 2025 Orlando, FL Hybrid Apr 13–18

Documents / Resources

	<p>SANS Institute AIS247 Network Security 2024 [pdf] User Guide</p> <p>AIS247, GIAC Certifications Bundle price 979, AIS247 Network Security 2024, AIS247, Network Security 2024, Security 2024, 2024</p>
---	---

References

- [User Manual](#)

[Manuals±](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.