



The most trusted source for cybersecurity training, certifications, degrees, and research

# SANS Network Security

September 4–9, 2024

Las Vegas, NV & Virtual (PT)

## 48 Hands-On Cybersecurity Courses Taught by Industry Experts

Attend In-Person at the venue in Las Vegas or Live Online

Discover the most effective steps to prevent cyber-attacks and detect adversaries with actionable techniques taught by top practitioners during **SANS Network Security 2024**. Choose your course and register now for hands-on training you can use immediately.

### SANS Network Security 2024 Features

- In-Person or Live Online training
- Take your training at the training venue with professional support
- Practical cybersecurity training taught by real-world practitioners
- Hands-on labs in a virtual environment
- Courses include electronic and printed books
- Several courses align with GIAC certifications

### Training Modalities

#### Live Online

SANS Live Online training offers live, interactive streaming sessions delivered directly from your instructor. It features many of the activities that SANS students love at training events, such as bonus topical presentations, cyber range challenges, networking via chat channels, and live access to top SANS instructors. Live Online is a flexible and fun way to learn.

#### In-Person

In-Person training offers students the chance to study in a focused environment without distraction but perhaps most importantly, they offer a direct access to SANS's world-leading instructors.

## SANS NETWARS

### NetWars Tournament

We are hosting NetWars Tournaments “in-person” during this event. These tournaments are only available in-person, and as a paid course registrant, you’ll be eligible to participate for FREE. Space is limited. No attendance options are available for Live Online course registrants.

[sans.org/cyber-ranges](https://sans.org/cyber-ranges)

“Having an SME instructor with tons of real-world experience makes the course material easy to digest, and the Live Online platform is the best platform I’ve experienced!”

—Jeremy Swanson, ManTech

**COURSES OFFERED** ▶

[www.sans.org/network-security-2024](https://www.sans.org/network-security-2024)



301-654-SANS (7267)



[support@sans.org](mailto:support@sans.org)



[@SANSInstitute](https://twitter.com/SANSInstitute)

## Confirmed Courses

**FOR500: Windows Forensic Analysis** **MAJOR UPDATE**

**GCFE**  
GIAC Certified  
Forensic Examiner  
[giac.org/gcfe](http://giac.org/gcfe)



**FOR508: Advanced Incident Response, Threat Hunting, and Digital Forensics** **MAJOR UPDATE**

**GCFA**  
GIAC Certified  
Forensic Analyst  
[giac.org/gcfa](http://giac.org/gcfa)



**FOR509: Enterprise Cloud Forensics and Incident Response** **MAJOR UPDATE**

**GCFR**  
GIAC Cloud Forensics  
Responder  
[giac.org/gcfr](http://giac.org/gcfr)



**FOR572: Advanced Network Forensics: Threat Hunting, Analysis, and Incident Response** **MAJOR UPDATE**

**GNFA**  
GIAC Network  
Forensic Analyst  
[giac.org/gnfa](http://giac.org/gnfa)



**FOR578: Cyber Threat Intelligence**

**GCTI**  
GIAC Cyber Threat  
Intelligence  
[giac.org/gcti](http://giac.org/gcti)



**FOR585: Smartphone Forensic Analysis In-Depth**

**GASF**  
GIAC Advanced  
Smartphone Forensics  
[giac.org/gasf](http://giac.org/gasf)



**FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques**

**GREM**  
GIAC Reverse  
Engineering Malware  
[giac.org/grem](http://giac.org/grem)



**ICS410: ICS/SCADA Security Essentials**

**GICSP**  
Global Industrial Cyber  
Security Professional  
[giac.org/gicsp](http://giac.org/gicsp)



**ICS456: Essentials for NERC Critical Infrastructure Protection**

**GCIP**  
GIAC Critical  
Infrastructure  
Protection  
[giac.org/gcip](http://giac.org/gcip)



**ICS515: ICS Visibility, Detection, and Response**

**GRID**  
GIAC Response and  
Industrial Defense  
[giac.org/grid](http://giac.org/grid)



**LDR414: SANS Training Program for the CISSP Certification**

**GISP**  
GIAC Information  
Security Professional  
[giac.org/gisp](http://giac.org/gisp)



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—David Howse, In-Person Live Stream student – Secure Australia 2021

## Confirmed Courses

**LDR512: Security Leadership Essentials for Managers**

**GSLC**  
GIAC Security  
Leadership  
[giac.org/gslc](http://giac.org/gslc)



**LDR514: Security Strategic Planning, Policy, and Leadership**

**GSTRT**  
GIAC Strategic  
Planning, Policy,  
and Leadership  
[giac.org/gstrt](http://giac.org/gstrt)



**LDR516: Building and Leading Vulnerability  
Management Programs**

**LDR520: Cloud Security for Leaders** **NEW**

**LDR521: Security Culture for Leaders**

**LDR551: Building and Leading Security Operations Centers**

**GSOM**  
GIAC Security  
Operations Manager  
[giac.org/gsom](http://giac.org/gsom)



**LDR553: Cyber Incident Management** **NEW**

**SEC301: Introduction to Cyber Security**

**GISF**  
GIAC Information  
Security Fundamentals  
[giac.org/gisf](http://giac.org/gisf)



**SEC401: Security Essentials: Network, Endpoint,  
and Cloud** **MAJOR UPDATE**

**GSEC**  
GIAC Security  
Essentials  
[giac.org/gsec](http://giac.org/gsec)



**SEC450: Blue Team Fundamentals:  
Security Operations and Analysis**

**GSOC**  
GIAC Security  
Operations Certified  
[giac.org/gsoc](http://giac.org/gsoc)



**SEC488: Cloud Security Essentials**

**GCLD**  
GIAC Cloud Security  
Essentials  
[giac.org/gclد](http://giac.org/gclد)



**SEC497: Practical Open-Source Intelligence (OSINT)** **NEW**

**GOSI**  
GIAC Open Source  
Intelligence  
[giac.org/gosi](http://giac.org/gosi)



**SEC503: Network Monitoring and Threat Detection In-Depth**

**GCIA**  
GIAC Certified  
Intrusion Analyst  
[giac.org/gcia](http://giac.org/gcia)



## Confirmed Courses

### SEC504: Hacker Tools, Techniques, and Incident Handling

**GCIH**  
GIAC Certified  
Incident Handler  
[giac.org/gcih](http://giac.org/gcih)



### SEC505: Securing Windows and PowerShell Automation

**GCWN**  
GIAC Certified Windows  
Security Administrator  
[giac.org/gcwn](http://giac.org/gcwn)



### SEC510: Cloud Security Controls and Mitigations

**GPCS**  
GIAC Public  
Cloud Security  
[giac.org/gpcs](http://giac.org/gpcs)



### SEC511: Continuous Monitoring and Security Operations

**GMON**  
GIAC Continuous  
Monitoring Certification  
[giac.org/gmon](http://giac.org/gmon)



### SEC522: Application Security: Securing Web Apps, APIs, and Microservices

**GWEB**  
GIAC Certified Web  
Application Defender  
[giac.org/gweb](http://giac.org/gweb)



### SEC530: Defensible Security Architecture and Engineering: Implementing Zero Trust for the Hybrid Enterprise

**GDSA**  
GIAC Defensible  
Security Architecture  
[giac.org/gdsa](http://giac.org/gdsa)



### SEC540: Cloud Security and DevSecOps Automation **MAJOR UPDATE**

**GCSA**  
GIAC Cloud Security  
Automation  
[giac.org/gcsa](http://giac.org/gcsa)



### SEC541: Cloud Security Threat Detection

**GCTD**  
GIAC Cloud Threat  
Detection  
[giac.org/gctd](http://giac.org/gctd)



### SEC542: Web App Penetration Testing and Ethical Hacking

**GWAPT**  
GIAC Web Application  
Penetration Tester  
[giac.org/gwapt](http://giac.org/gwapt)



### SEC555: SIEM with Tactical Analytics

**GCDA**  
GIAC Certified  
Detection Analyst  
[giac.org/gcda](http://giac.org/gcda)



### SEC560: Enterprise Penetration Testing

**GPEN**  
GIAC Penetration  
Tester  
[giac.org/gpen](http://giac.org/gpen)



### SEC565: Red Team Operations and Adversary Emulation **NEW**

**GRTP**  
GIAC Red Team  
Professional  
[giac.org/grtp](http://giac.org/grtp)



## Confirmed Courses

### SEC566: Implementing and Auditing CIS Controls

**GCCC**  
GIAC Critical Controls  
Certification  
[giac.org/gccc](http://giac.org/gccc)



### SEC573: Automating Information Security with Python

**GPYC**  
GIAC Python Coder  
[giac.org/gpyc](http://giac.org/gpyc)



### SEC575: iOS and Android Application Security Analysis and Penetration Testing

**GMOB**  
GIAC Mobile Device  
Security Analyst  
[giac.org/gmob](http://giac.org/gmob)



### SEC587: Advanced Open-Source Intelligence (OSINT) Gathering and Analysis **NEW**

### SEC588: Cloud Penetration Testing

**GCPN**  
GIAC Cloud  
Penetration Tester  
[giac.org/gcpn](http://giac.org/gcpn)



### SEC595: Applied Data Science and AI/Machine Learning for Cybersecurity Professionals

**GMLE**  
GIAC Machine  
Learning Engineer  
[giac.org/gmle](http://giac.org/gmle)



### SEC599: Defeating Advanced Adversaries – Purple Team Tactics & Kill Chain Defenses

**GDAT**  
GIAC Defending  
Advanced Threats  
[giac.org/gdat](http://giac.org/gdat)



### SEC617: Wireless Penetration Testing and Ethical Hacking

**GAWN**  
GIAC Assessing and  
Auditing Wireless  
Networks  
[giac.org/gawn](http://giac.org/gawn)



### SEC660: Advanced Penetration Testing, Exploit Writing, and Ethical Hacking

**GXPN**  
GIAC Exploit Researcher  
and Advanced  
Penetration Tester  
[giac.org/gxpn](http://giac.org/gxpn)



### SEC670: Red Teaming Tools – Developing Windows Implants, Shellcode, Command and Control **NEW**

### SEC673: Advanced Information Security Automation with Python **NEW**

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