

SANS Security West 2017

San Diego, CA
May 9-18



PROGRAM GUIDE

@SANSInstitute



#SANSSecurityWest



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COURSES AVAILABLE:

SEC301	SEC579
SEC401	SEC660
SEC501	FOR408/500
SEC503	FOR508
SEC504	FOR518
SEC505	FOR578
SEC511	MGT414
SEC542	MGT512
SEC560	MGT514
SEC566	DEV522
SEC575	

Three ways to register!

Visit the registration desk onsite

Call (301) 654-SANS

Write to ondemand@sans.org

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Core NETWARS EXPERIENCE

Hosted by Jeff McJunkin

Sunday, May 14 – Monday, May 15

6:30pm-9:30pm | Harbor Ballroom GH

DFIR NETWARS TOURNAMENT

Hosted by Rob Lee & David Cowen

Sunday, May 14 – Monday, May 15

6:30pm-9:30pm | Harbor Ballroom B

NETWARS Defense COMPETITION

Hosted by Eric Conrad

Sunday, May 14 – Monday, May 15

7:15pm-10:15pm | Harbor Ballroom D

All students who register for a 4-6 day course will be eligible to play NetWars for FREE.

Register Now!

www.sans.org/security-west

GENERAL INFORMATION

Badge & Courseware Distribution

Location: Promenade Foyer

Tuesday, May 9 (SHORT COURSES ONLY) 8:00am-9:00am

Location: Harbor Foyer

Wednesday, May 10 (WELCOME RECEPTION) 5:00pm-7:00pm

Thursday, May 11 7:00am-9:00am

Location: Ocean Beach Foyer

Wednesday, May 17 8:00am - 9:00am

Registration Support

Location: Harbor Foyer

Wednesday, May 10 5:00pm – 7:00pm

Thursday, May 11 7:00am - 5:00pm

Friday, May 12 - Tuesday, May 16. 8:00am - 5:00pm

Internet Café

Location: Promenade Foyer

Thursday, May 11. Opens at noon - 24 hours

Friday, May 12 – Monday, May 15 Open 24 hours

Tuesday, May 16. Closes at 2:00pm

Course Times

All full-day courses will run 9:00am - 5:00pm (unless noted)

Course Breaks

Morning Coffee. 7:00am-9:00am

Morning Break 10:30am-10:50am

Lunch (ON YOUR OWN) 12:15pm-1:30pm

Afternoon Break. 3:00pm-3:20pm

First Time at SANS?

Please attend our **Welcome to SANS** talk designed to help newcomers get the most from your SANS training experience. The talk is from **8:00am-8:30am** on **Thursday, May 11** in *Harbor Ballroom I*.

Photography Notice

SANS may take photos of classroom activities for marketing purposes. SANS Security West 2017 attendees grant SANS all rights for such use without compensation, unless prohibited by law.

Feedback Forms and Course Evaluations

The SANS planning committee wants to know what we should keep doing and what we need to improve – but we need your help! Please take a moment to fill out an evaluation form after each course day and evening session and drop it in the evaluation box.

Wear Your Badge

To confirm you are in the right place, SANS door monitors 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)

SEC401: Security Essentials Bootcamp Style

SEC511: Continuous Monitoring and Security Operations

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

MGT414: SANS Training Program for CISSP® Certification

Extended Hours:

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

SEC560: Network Penetration Testing and Ethical Hacking

MGT512: SANS Security Leadership Essentials For Managers with Knowledge Compression™

COURSE SCHEDULE

START DATE: **Tuesday, May 9**

Time: 9:00am - 5:00pm (Unless otherwise noted)

DEV531: Defending Mobile Applications Security Essentials
Eric Johnson Location: Torrey Hills AB

DEV534: Secure DevOps: A Practical Introduction
Frank Kim Location: Golden Hill AB

START DATE: **Thursday, May 11**

Time: 9:00am - 5:00pm (Unless otherwise noted)

SEC301: Intro to Information Security
Keith Palmgren..... Location: Promenade AB

SEC401: Security Essentials Bootcamp Style
Bryan Simon..... Location: Harbor Ballroom I
Bootcamp Hours: 5:00pm - 7:00pm (Course days 1-5)

SEC501: Advanced Security Essentials – Enterprise Defender
Paul A. Henry Location: Marina

SEC503: Intrusion Detection In-Depth
David Hoelzer..... Location: Harbor Ballroom F

SEC504: Hacker Tools, Techniques, Exploits & Incident Handling
John Strand Location: Harbor Ballroom G
Extended Hours: 5:00pm - 7:15pm (Course Day 1 only)

SEC505: Securing Windows and PowerShell Automation
Jason Fossen..... Location: Mission Beach C

SEC511: Continuous Monitoring and Security Operations
Seth Misenar Location: Hillcrest AB
Bootcamp Hours: 5:15pm - 7:00pm (Course days 1-5)

SEC542: Web App Penetration Testing and Ethical Hacking
Eric Conrad Location: Harbor Ballroom D

SEC560: Network Penetration Testing and Ethical Hacking
Bryce Galbraith Location: Harbor Ballroom H
Extended Hours: 5:00pm - 7:15pm (Course Day 1 only)
Extended hours will be led by John Strand in the SEC504 classroom located in Harbor Ballroom G

SEC566: Implementing and Auditing the Critical Security Controls – In-Depth
James Tarala..... Location: Harbor Ballroom E

SEC575: Mobile Device Security and Ethical Hacking
Joshua Wright..... Location: Mission Beach AB

SEC579: Virtualization and Private Cloud Security
Dave Shackelford..... Location: Solana Beach AB

SEC660: Advanced Penetration Testing, Exploit Writing, and Ethical Hacking
Stephen Sims..... Location: Hillcrest CD
Bootcamp Hours: 5:15pm - 7:00pm (Course days 1-5)

FOR408/500: Windows Forensic Analysis
David Cowen Location: Harbor Ballroom B

FOR508: Advanced Digital Forensics, Incident Response, and Threat Hunting
Rob Lee Location: Harbor Ballroom A

FOR518: Mac Forensic Analysis
Sarah Edwards..... Location: Cortez Hill BC

FOR578: Cyber Threat Intelligence
Jake Williams Location: Regatta A

MGT414: SANS Training Program for CISSP® Certification
David R. Miller Location: Harbor Ballroom C
Bootcamp Hours: 8:00am - 9:00am (Course days 2-6) & 5:00pm - 7:00pm (Course days 1-5)

MGT512: SANS Security Leadership Essentials for Managers with Knowledge Compression™
G. Mark Hardy..... Location: Golden Hill AB
Extended Hours: 5:00pm - 6:00pm (Course days 1-4)

MGT514: IT Security Strategic Planning, Policy, and Leadership
Frank Kim Location: Torrey Hills AB

MGT517: Managing Security Operations: Detection, Response, and Intelligence
Christopher Crowley Location: Regatta BC

DEV522: Defending Web Applications Security Essentials
Dr. Johannes Ullrich..... Location: Cortez Hill A

COURSE SCHEDULE

START DATE: **Wednesday, May 17**

Time: 9:00am - 5:00pm (Unless otherwise noted)

SEC440: Critical Security Controls: Planning, Implementing, and Auditing

Chris Christianson Location: Mission Beach C

SEC524: Cloud Security Fundamentals

Jorge Orchilles Location: Hillcrest CD

SEC546: IPv6 Essentials

Dr. Johannes Ullrich. Location: Marina

SEC580: Metasploit Kung Fu for Enterprise Pen Testing

Bryce Galbraith Location: Hillcrest AB

MGT305: Technical Communication and Presentation Skills for Security Professionals

David Hoelzer. Location: Promenade AB

MGT415: A Practical Introduction to Cyber Security Risk Management

James Tarala Location: Mission Beach AB

MGT433: Securing The Human: How to Build, Maintain, and Measure a High-Impact Awareness Program

Lance Spitzner Location: Solana Beach AB



**Add a GIAC Certification
with your SANS training at
SANS Security West 2017 and
SAVE \$360!**

In the information security industry, certification matters. GIAC Certifications offer skills-based certifications that go beyond high-level theory and test true hands-on and pragmatic skill sets that are highly regarded in the InfoSec industry.

Pay just \$689 when you bundle your certification attempt with your SANS training course during SANS Security West 2017 for a savings of \$360! After this event is over, the alumni bundle price goes to \$1,049.

Stop by Registration and add your GIAC-affiliated certification before the last day of class for the discount.

**Find out more about GIAC at
www.giac.org or call 301-654-7267.**

BONUS SESSIONS

Enrich your SANS experience!

Morning and evening talks given 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.

WEDNESDAY, MAY 10

Welcome Reception

Wednesday, May 10 | 5:00pm-7:00pm

Location: Harbor Ballroom Foyer

Check in early and network with your fellow students!

THURSDAY, MAY 11

SPECIAL EVENT

General Session – Welcome to SANS

Speaker: Bryan Simon

Thursday, May 11 | 8:00am-8:30am | Location: Harbor Ballroom I

Join us for a 30-minute overview to help you get the most out of your SANS training experience. You will receive event information and learn about programs and resources offered by SANS. This brief session will answer many questions and get your training experience off to a great start. This session will be valuable to all attendees but is highly recommended for first time attendees.

SPECIAL EVENT

Women's CONNECT Event

Hosted by the SANS COINS Program and ISSA WIS SIG

Thursday, May 11 | 6:00pm-7:15pm | Location: Harbor Ballroom Foyer

Joins SANS and the ISSA International Women In Security Special Interest Group (WIS SIG) as we partner with local association chapters and groups to foster an evening of connections. Association members and group representatives will be on hand to discuss their activities and the benefits of membership. From Jean Jennings Bartik to Diane Greene, women have always been a driving force in the field of information technology. Their experiences have been filled not only with stories of overcoming challenges but also ones of innovation and inspiration. Enjoy the connection building and camaraderie of your peers, while discussing the recent successes relating to local luminaries such as Joann Maguire, Sandra Rothenberg, Pam Shockley-Zalabak, and Judith Wagner, among MANY others.

SANS@NIGHT

KEYNOTE: Emerging Trends in Cybersecurity – 2020 Outlook

Speaker: John Pescatore

Thursday, May 11 | 7:15pm-9:15pm | Location: Harbor Ballroom A

SANS Director of Emerging Security will take a data- and analytics-based approach to forecasting the major security trends that will impact cybersecurity professionals over the remainder of this decade. SANS will solicit inputs on social media before the session, and the session will include audience participation to add a crowd-sourced element to the predictions. There may also be a surprise speaker or two. Come learn what changes in threats, technology, regulations, and job markets will impact your future in cybersecurity.

FRIDAY, MAY 12

SANS@NIGHT

GIAC Program Presentation

Speaker: Scott Cassity

Friday, May 12 | 6:15pm-7:15pm | Location: Harbor Ballroom E

Global Information Assurance Certification (GIAC) develops and administers the premier certifications for information security professionals. More than 30 GIAC certifications align with SANS training and ensure mastery in critical, specialized InfoSec domains. GIAC certifications provide the highest and most rigorous assurance of cybersecurity knowledge and skill available to industry, government, and military clients across the world. Join us for an informational presentation along with a Q and A session. We'll cover everything from why you should get certified, what testing looks like, how to keep certifications current and more. GIAC staff will be present to answer your questions before and after the presentation.

BONUS SESSIONS

SANS@NIGHT

Blue is the New Red

Panelists: Stephen Sims, Eric Conrad, Seth Misenar, Bryan Simon,
and Bryce Galbraith

Friday, May 12 | 7:15pm-9:15pm | Location: Harbor Ballroom A

So much focus has been on penetration testing over the last few years that the world would have you believe that we're in desperate need of thousands of penetration testers to fill countless open job requisitions. Truth be told, the majority of professionals seeking to build their skills in offensive techniques are Enterprise Defenders! In this panel discussion we will talk to both offensive and defensive experts about this perception, where we are lacking in expertise, and techniques that can be used to improve your organizations defense.

SATURDAY, MAY 13

SANS@NIGHT

Ten Tenets of CISO Success

Speaker: Frank Kim

Saturday, May 13 | 7:15pm-8:15pm | Location: Harbor Ballroom A

The era of CISO-as-dictator is at an end. The increased importance of cybersecurity as a vital component of business growth requires security leaders to find new ways to work with executive leaders, business partners, and their own team members. Learn 10 tenets that CISOs and security leaders can utilize to go beyond technical skills, successfully lead organizations through change, and ultimately get to "yes" with the business.

SANS@NIGHT

Cyber-Hygiene and Standards of Care: Practical Defenses Against Advanced Attacks

Speaker: James Tarala

Saturday, May 13 | 7:15pm-8:15pm | Location: Harbor Ballroom E

There is no question that organizations are struggling to stop attacks. Yet hackers are not magic, though we pretend that they are and that special secret knowledge is required to stop them. In this presentation, James Tarala, contributor to the CIS Critical Security Controls, will discuss standards of cybersecurity care and why the CIS Critical Security Controls are quickly becoming the standard of cybersecurity care for organizations. He will also share practical tips for implementing these controls and overcoming the barriers to implementation. Attendees should expect to leave the presentation with practical advice for using these controls to stop even the most advanced attacks in their organization.

SANS@NIGHT

Introducing PowerLine!

Speaker: Brian Fehrman

Saturday, May 13 | 8:15pm-9:15pm | Location: Harbor Ballroom E

Running into environments where the use of PowerShell is being monitored or is just flat-out disabled? Have you tried out the fantastic PowerOps framework but are wishing you could use something similar via Meterpreter, Empire, or other C2 channels? Look no further! In this talk, the new PowerLine framework will make its first debut. We will overview the tool, walk you through how to use it, show you how you can add additional PowerShell scripts with little effort, and demonstrate just how powerful (all pun intended) this little program can be!

SANS@NIGHT

Stop Hitting Yourself: Common Mistakes in Security Operations

Speaker: Jake Williams

Saturday, May 13 | 8:15pm-9:15pm | Location: Harbor Ballroom A

Ever work in a security operation where it felt like you were constantly shooting yourself in the foot? I have, and I can't help but think of siblings torturing one another while saying "stop hitting yourself." But that's what we deal with regularly in infosec. Whether we realize it or not, we utilize intelligence in security operations every day – whether in incident response, intrusion detection, or hunt team operations. However, many in security are not formally trained in intelligence operations and don't properly understand gain/loss calculations. This lack of understanding leads to mistakes in how intelligence is used, often exposing our sensitive collection to the adversary and adversely impacting security operations. In this session, you will learn about how to maximize the value of your intelligence using real-world case studies. Armed with the knowledge of how to better use intelligence for security operations, you'll take your security operations to a whole new level.

SUNDAY, MAY 14

Core NETWARS EXPERIENCE

Hosted by Jeff McJunkin

Sunday, May 14 – Monday, May 15 | 6:30pm-9:30pm | Harbor Ballroom G/H

SANS Core NetWars Experience is a computer and network security challenge designed to test a participant's experience and skills in a safe, controlled environment while having a little fun with your fellow IT security professionals. Many enterprises, government agencies, and military bases are using NetWars to help identify skilled personnel and as part of extensive hands-on training. With Core NetWars, you'll build a wide variety of skills while having a great time.

DFIR NETWARS TOURNAMENT

Hosted by Rob Lee & David Cowen

Sunday, May 14 – Monday, May 15 | 6:30pm-9:30pm | Harbor Ballroom B

SANS DFIR NetWars Tournament is an incident simulator packed with a vast amount of forensic and incident response challenges covering host forensics, network forensics, and malware and memory analysis. It is developed by incident responders and analysts who use these skills daily to stop data breaches and solve crimes. Sharpen your team's skills prior to being involved in a real incident.

NETWARS Defense COMPETITION

Hosted by Eric Conrad & Seth Misenar

Sunday, May 14 – Monday, May 15 | 7:15pm-10:15pm | Harbor Ballroom D

The all-new NetWars Defense Competition is a defense-focused challenge aimed at testing your ability to solve problems and secure your systems from compromise. With so much focus on offense, NetWars Defense is a truly unique experience and opportunity to test your skills in architecture, operations, threat hunting, log analysis, packet analysis, cryptography, and much more!

SANS@NIGHT

Sarah's Apple Orchard

Speaker: Sarah Edwards

Sunday, May 14 | 7:15pm-8:15pm | Location: Harbor Ballroom E

This talk series will feature freshly picked topics pertaining to Apple-specific digital forensics. Topics may be from the smallest seedling like a recent subject in current news to something that has been baking for a while that requires advanced forensic analysis. These talks will get at the core of many Apple technologies in a wide variety of areas within software and hardware. Any juicy and delicious topic is fair game in Sarah's Apple Orchard.

SANS@NIGHT

The 14 Absolute Truths of Security

Speaker: Keith Palmgren

Sunday, May 14 | 7:15pm-8:15pm | Location: Harbor Ballroom A

Keith Palmgren has identified 14 absolute truths of security that remain true regardless of circumstance, network topology, organizational type, or any other variable. Recognizing these 14 absolute truths and how they affect a security program can lead to the success of that program. Failing to recognize these truths will spell almost certain doom. Here we will take a non-technical look at each of the 14 absolute truths in turn, examine what they mean to the security manager, what they mean to the security posture, and how understanding them will lead to a successful security program.

SANS@NIGHT

How to Commit Card Fraud

Speaker: G. Mark Hardy

Sunday, May 14 | 8:15pm-9:15pm | Location: Harbor Ballroom E

Well, we're not going to show you how to commit fraud, but we will show you how the bad guys do it and how you can protect yourself and your business. We'll take a look into the "dark web" and see how these big card heists are pulled off, why chip-and-pin won't solve the fraud problem, and why payment technologies like Apple Pay pose new risks. You'll learn the ecosystem of fraud, and how it's become a big business that costs banks and merchants over \$16 billion annually. See if your bank even bothers to use the security protections it could – we'll have a mag stripe card reader so you can really see what's in your wallet. SANS Senior Instructor G. Mark Hardy is the CEO and founder of CardKill Inc., a start-up that helps banks preemptively kill stolen cards BEFORE they are used in fraud.

MONDAY, MAY 15

SPECIAL EVENT

Coffee & Donuts with the Graduate School

Monday, May 15 | 7:30am-9:00am | Location: Harbor Ballroom Foyer

Join us for coffee, donuts, and conversation with graduate school staff and current students. Learn more about SANS' regionally accredited graduate program which combines SANS technical training and certifications, with leadership and management curriculum specifically designed for the unique needs of aspiring leaders. Find out how the class you're taking this week may be applied towards a master's degree or graduate certificate program. Visit www.sans.edu for complete information on curriculum, admissions, and funding options.

LUNCH & LEARN

How to Become a SANS Instructor

Speaker: Eric Conrad

Monday, May 15 | 12:30pm-1:15pm | Location: Harbor Ballroom D

This presentation is free of charge, but space is limited to the first 40 registrations. Please register online at www.sans.org/security-west

Have you ever wondered what it takes to become a SANS instructor? How does your SANS instructor rise to the top and demonstrate the talents to become part of the SANS faculty? Attend this session and learn how to become part of the faculty and learn the steps to make that goal a reality. Eric Conrad, a SANS Certified Instructor, will share his experiences and show you how to become part of the SANS top-rated instructor team.

SANS@NIGHT

Windows Exploratory Surgery with Process Hacker

Speaker: Jason Fossen

Monday, May 15 | 7:15pm-8:15pm | Location: Harbor Ballroom A

In this talk we'll rummage around inside the guts of Windows while on the lookout for malware, using a free tool named Process Hacker (similar to Process Explorer). Understanding processes, threads, drivers, handles, and other OS internals is important for analyzing malware, doing forensics, troubleshooting, and hardening the OS. If you have a laptop, get Process Hacker from SourceForge.net and together we'll take a peek under the GUI to learn about Windows internals and how to use Process Hacker for combating malware (<http://processhacker.sourceforge.net>).

SANS@NIGHT

A Hunting We Shall Go

Speaker: John Strand

Monday, May 15 | 8:15pm-9:15pm | Location: Harbor Ballroom A

Lets build a threat hunting kit, for free!! In this presentation, John Strand will go through some tools and tactics we can all use to help find the bad guys who bypass all our shiny security tools. We will also cover some new techniques bad guys are using to bypass these traditional defenses.

VENDOR EVENTS

Vendor Solutions Expo

Friday, May 12 | 12:00pm-1:30pm | Location: Harbor Ballroom Foyer

All attendees are invited to meet with established and emerging solution providers as they reveal the latest tools and technologies critical to information security. The SANS Vendor Expo showcases product offerings from key technology providers in the commercial tools and services market. Vendors arrive prepared to interact with a technically savvy audience. You'll find demonstrations and product showcases that feature all the best that the security industry has to offer!

Vendor-Sponsored Lunch Session

Friday, May 12 | 12:00pm-1:30pm | Location: Harbor Ballroom Foyer

Sign up at the SANS vendor table to receive a ticket for a free lunch brought to you by sponsoring vendors. Please note, by accepting a lunch ticket your badge will be scanned and your contact information shared with the sponsoring vendors. Join these sponsoring vendors and others on the expo floor for an introduction to leading solutions and services that showcase the leading options in information security. Take time to browse the expo floor and get introduced to providers and their solutions that align with the security challenges being discussed in class.

Luncheon sponsors are:

Cisco	LogRhythm
Cybereason	Qualys
Forescout	RSA
IBM	Zscaler

VENDOR EVENTS

Vendor-Sponsored Lunch & Learns

Since SANS course material is product neutral, these presentations provide the opportunity to evaluate vendor tools in an interactive environment to increase your effectiveness, productivity, and knowledge gained from the conference. These sessions feature a light meal or refreshments provided by the sponsor. Sign-Up Sheets for the events below are located on the Community Bulletin Board at Student Registration.



Addressing Major Application Vulnerabilities with the Qualys Cloud Platform

Speaker: Vikas Phonsa, Director, Product Management

Thursday, May 11 | 12:30pm-1:15pm | Location: Harbor Ballroom F

Vikas Phonsa, Director of Product Management at Qualys, will provide an overview of the Qualys Cloud Platform with a focus on how to leverage cloud-based tools to address major Application Security challenges. The presentation will include a real world case study of the critical Apache Struts2 vulnerability disclosed in March 2017 and will show how Qualys' end-to-end security solution allowed customers to detect and address this particularly challenging vulnerability in a unique way.



LUNCH AND LEARN

Change is Simply an Act of Survival

Speaker: Bil Harmer CISSP, CISM, CIPP

Thursday, May 11 | 12:30pm-1:15pm | Location: Harbor Ballroom B

This presentation will review the history and development of the corporate network and its interaction with the Internet. How the adoption of SaaS and PaaS base solutions have rendered the network irrelevant from a security perspective. We will explore the developments in malware, how threat actors have taken on a business approach to creation, distribution, and management of their attack campaigns. We will then take a few steps into the future and explore some possibilities that have the potential to greatly affect corporations and how they protect themselves. Finally, we will explore some of the potential strategies that can be started now to lay time ground work to ensure a more secure architecture in the future.



LUNCH AND LEARN

Simplify CSC Implementation with Endpoint Visibility and Control

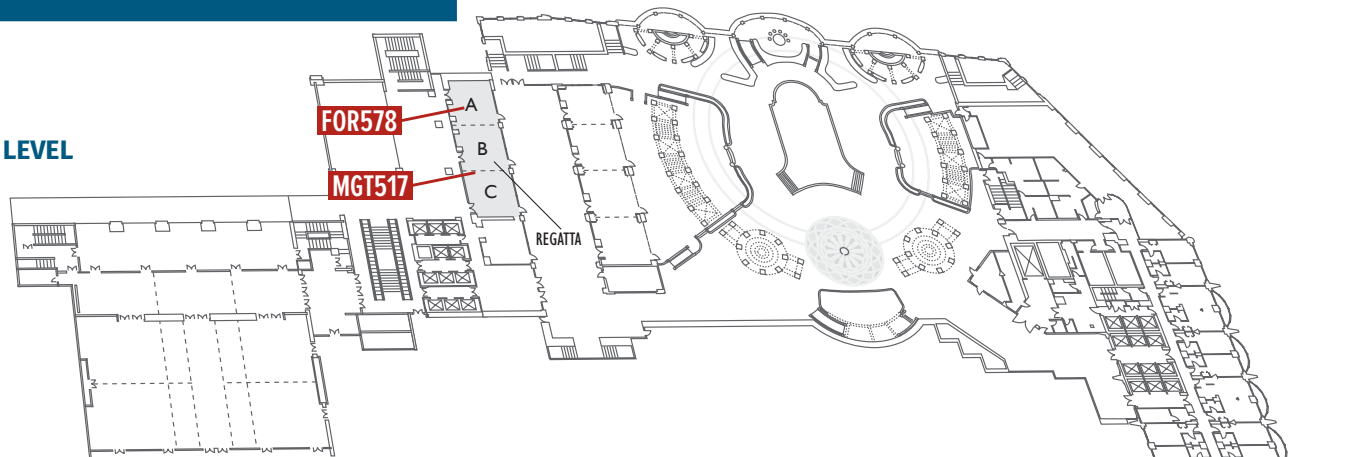
Speaker: Jennifer Geisler, Vice President of Marketing

Thursday, May 11 | 12:30pm-1:15pm | Location: Harbor Ballroom I

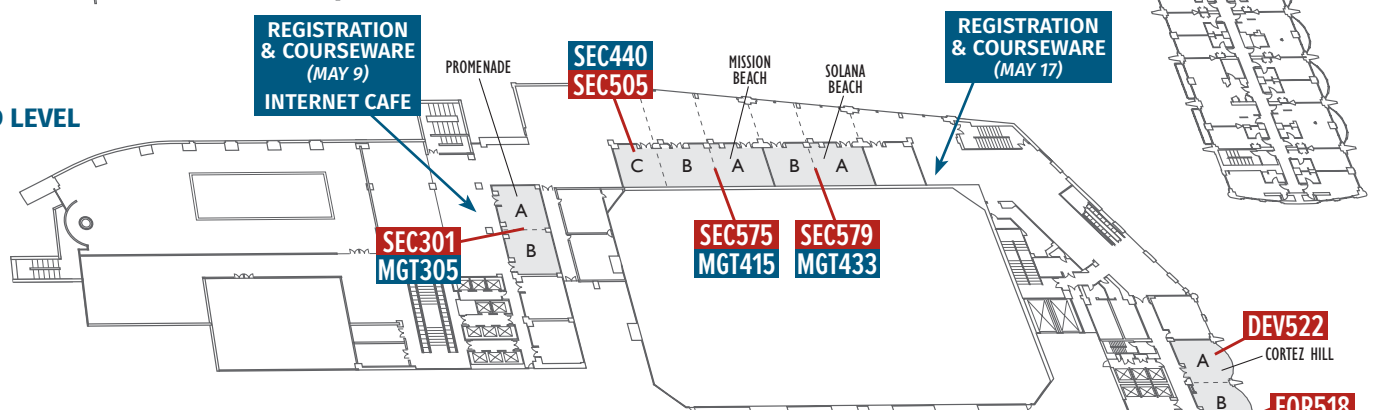
Automated endpoint visibility and control is a consistent theme in the Critical Security Controls (CSCs). Without the ability to see and effectively manage the diverse and growing population of devices that access your network resources, securing them is impossible. How can you streamline CSC adoption without cutting corners? During this session, we will explain how businesses are using an agentless visibility and control solution to accelerate this process with quick wins in the first four steps of this multistep process. We will also discuss the role agentless visibility and control plays in 13 other critical security controls.

HOTEL FLOORPLANS

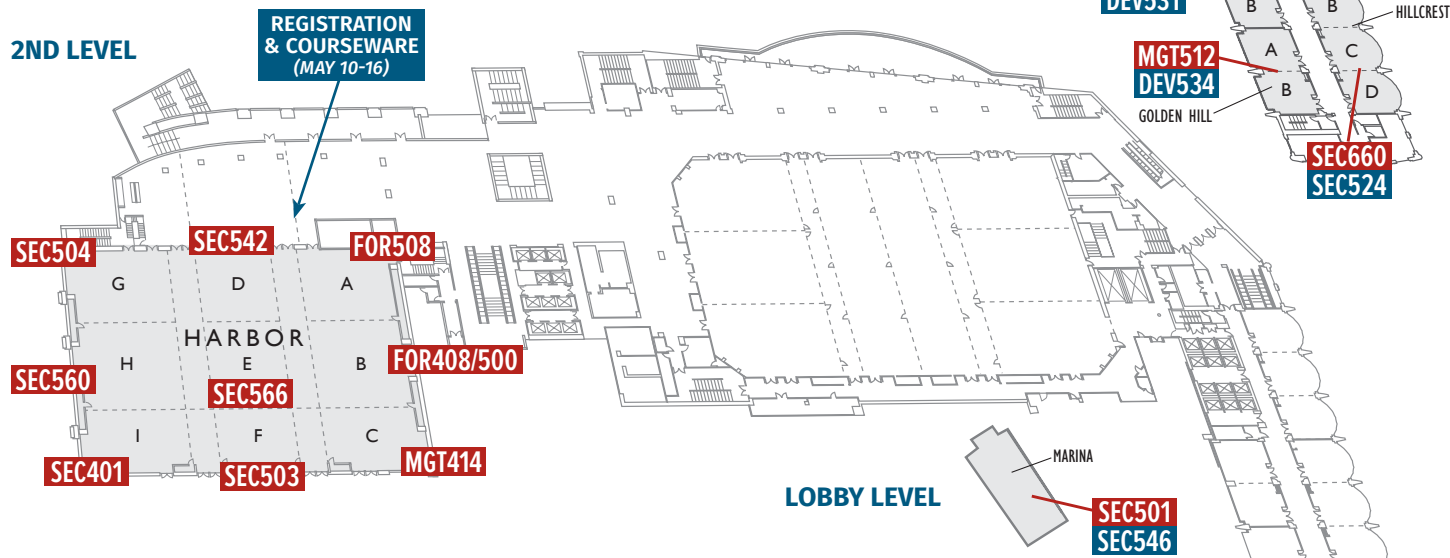
4TH LEVEL



3RD LEVEL



2ND LEVEL



LOBBY LEVEL



Free SANS Resources

Stay connected with these
FREE resources

WEBCASTS



Ask The Expert Webcasts – SANS experts bring current and timely information on relevant topics in IT Security.



Analyst Webcasts – A follow-on to the SANS Analyst Program, Analyst Webcasts provide key information from our whitepapers and surveys.



WhatWorks Webcasts – The SANS WhatWorks webcasts bring powerful customer experiences showing how end users resolved specific IT Security issues.



Tool Talks – Tool Talks are designed to give you a solid understanding of a problem, and how a vendor's commercial tool can be used to solve or mitigate that problem.

NEWSLETTERS



NewsBites – Twice weekly, high-level executive summary of the most important news relevant to cybersecurity professionals



OUCH! – The world's leading monthly, free security awareness newsletter designed for the common computer user



@RISK: The Consensus Security Alert – A reliable weekly summary of (1) newly discovered attack vectors, (2) vulnerabilities with active new exploits, (3) how recent attacks worked, and (4) other valuable data



Future Training Events

Northern Virginia – Reston

Reston, VA May 21-26 #SANSReston

Atlanta

Atlanta, GA May 30 - June 4 #SANSAtlanta

Houston

Houston, TX June 5-10 #SANSHouston

San Francisco Summer

San Francisco June 5-10 #SANSSanFrancisco

Rocky Mountain

Denver, CO June 12-17 #SANSRocky

Charlotte

Charlotte, NC June 12-17 #SANSCharlotte

Minneapolis

Minneapolis, MN June 19-24 #SANSMinneapolis

Columbia

Columbia, MD June 26 - July 1 #SANS Columbia

Long Beach

Long Beach, CA July 10-15 #SANSLongBeach

SANSFIRE

Washington, DC July 22-29 #SANSFIRE

San Antonio

San Antonio, TX Aug 6-11 #SANSSanAntonio

Boston 2017

Boston, MA Aug 7-12 #SANSBoston

New York City

New York City, NY Aug 14-19 #SANSNYC

Salt Lake City

Salt Lake City, UT Aug 14-19 #SANS SLCC



Future Summit Events

DFIR

Austin, TX June 22-29 #DFIRSummit

ICS Energy – Houston

Houston, TX July 10-15 #ICSHouston

Security Awareness

Nashville, TN July 31 - Aug 9 #SecAwareSummit

Information on all events can be found at
sans.org/security-training/by-location/all

Join us again next year!

SANS Security West 2017

San Diego, CA

May 9-16, 2018

*Save the
Date!*

