

SANS

Security West 2018

San Diego, CA | May 11-18

Program Guide

@SANSInstitute



#SANSSecurityWest



Add an OnDemand Bundle to your course to get an additional four months of intense training! OnDemand Bundles are just \$729 when added to your live course, and include:

- Four months of OnDemand access to our custom e-learning platform
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- Subject-matter-expert support

COURSES AVAILABLE:

SEC301	SEC555	FOR572
SEC401	SEC560	FOR578
SEC501	SEC566	FOR585
SEC503	SEC573	FOR610
SEC504	SEC575	MGT414
SEC505	SEC660	MGT512
SEC511	FOR500	MGT514
SEC542	FOR508	ICS410
	FOR518	

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First Time at SANS?

Please attend our Welcome to SANS talk designed to help you get the most from your SANS training experience.

**Friday, May 11
8:00-8:30 am**

Location:
Harbor Ballroom A (HYATT)
and
Santa Rosa (MARRIOTT)

To receive the discounted rate, you must sign up before Monday, May 21st at 8:00pm EDT

Add to your order via your Portal Account:
www.sans.org/account/login

Call or e-mail SANS Registration:
1-301-654-SANS (7267) | registration@sans.org

GENERAL INFORMATION

Due to the high demand for security training at SANS Security West 2018, the following courses will take place at the Marriott Marquis San Diego Marina: SEC503, SEC505, SEC542, MGT414, MGT512, and MGT517. The hotel neighbors the Manchester Grand Hyatt and is accessible from both Harbor Drive and the Bayfront. Courseware distribution and event check-in for these six courses will take place at the Marriott Marquis San Diego.

Event Check-In, Badge & Courseware Distribution

Location: Harbor Foyer (3RD LEVEL – HYATT)

Thu, May 10 5:00pm - 7:00pm

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

Location: Bayside Pavillion (2ND FLOOR – MARRIOTT)

Thu, May 10 5:00pm - 7:00pm

Location: Oceanside (1ST FLOOR – MARRIOTT)

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

Location: Promenade Foyer (3RD LEVEL – HYATT)

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

Registration Support

Location: Harbor Foyer (3RD LEVEL – HYATT)

Fri, May 11 - Tue, May 15 8:00am - 5:00pm

Wed, May 16 8:00am - 2:00pm

Location: Vista (1ST FLOOR – MARRIOTT)

Fri, May 11 - Tue, May 15 8:00am - 5:00pm

Wed, May 16 8:00am - 2:00pm

Location: Pier (3RD LEVEL – HYATT)

Thu, May 17 - Fri, May 18 9:00am - 5:00pm

Internet Café

Location: Promenade Foyer (3RD LEVEL – HYATT)

Fri, May 11 Opens at Noon

Sat, May 12 - Thu, May 17 Open 24 hours

Fri, May 18 Closes at 2:00pm

Location: West Lobby Lounge (2ND FLOOR – MARRIOTT)

Fri, May 11 Opens at Noon

Sat, May 12 - Tue, May 15 Open 24 hours

Wed, 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

Photography Notice

SANS may take photos of classroom activities for marketing purposes. SANS Security West 2018 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 bonus session and drop it in the evaluation box.

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)

SEC401: Security Essentials Bootcamp Style

SEC503: Intrusion Detection In-Depth

SEC511: Continuous Monitoring and Security Operations

SEC555: SIEM with Tactical Analytics

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

MGT414: SANS Training Program for CISSP® Certification

Extended Hours:

SEC455: SIEM Design & Implementation

SEC501: Advanced Security Essentials – Enterprise Defender

SEC504: Hacker Tools, Techniques, Exploits & Incident Handling

SEC560: Network Penetration Testing and Ethical Hacking

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

COURSE SCHEDULE

START DATE: **Friday, May 11, 2018**

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

SEC301: Introduction to Cyber Security

Keith Palmgren Location: Harbor Ballroom C (HYATT)

SEC401: Security Essentials Bootcamp Style

Bryan Simon Location: Harbor Ballroom I (HYATT)
Bootcamp Hours: 5:00pm - 7:00pm (Course days 1-5)

SEC501: Advanced Security Essentials - Enterprise Defender

Stephen Sims Location: Mission Beach A/B (HYATT)
Extended Hours: 5:00pm - 7:00pm (Course day 1)

SEC503: Intrusion Detection In-Depth

David Hoelzer Location: Solana (MARRIOTT)
Bootcamp Hours: 5:00pm - 7:00pm (Course days 1-5)

SEC504: Hacker Tools, Techniques, Exploits & Incident Handling

Bryce Galbraith Location: Harbor Ballroom G (HYATT)
Extended Hours: 5:00pm - 7:15pm (Course day 1)

SEC505: Securing Windows and PowerShell Automation

Jason Fossen Location: Point Loma (MARRIOTT)

SEC511: Continuous Monitoring and Security Operations

Eric Conrad Location: Hillcrest C/D (HYATT)
Bootcamp Hours: 5:15pm - 7:00pm (Course days 1-5)

SEC542: Web App Penetration Testing and Ethical Hacking

Moses Hernandez Location: Temecula 3/4 (MARRIOTT)

SEC545: Cloud Security Architecture and Operations

Dave Shackleford Location: Harbor Ballroom D (HYATT)

SEC555: SIEM with Tactical Analytics

Tim Garcia Location: Regatta B/C (HYATT)
Bootcamp Hours: 5:15pm - 7:00pm (Course days 1-5)

SEC560: Network Penetration Testing and Ethical Hacking

Kevin Fiscus Location: Harbor Ballroom H (HYATT)
Extended Hours: 5:00pm - 7:15pm (Course day 1)
Extended hours will be led by Bryce Galbraith in the SEC504 classroom located in Harbor Ballroom G (HYATT)

SEC566: Implementing and Auditing the Critical Security Controls – In-Depth

Randy Marchany Location: Promenade A/B (HYATT)

SEC573: Automating Information Security with Python

Michael Murr Location: Solana Beach A/B (HYATT)

SEC575: Mobile Device Security and Ethical Hacking

Christopher Crowley Location: Nautical (HYATT)

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

James Lyne Location: Hillcrest A/B (HYATT)
Bootcamp Hours: 5:15pm - 7:00pm (Course days 1-5)

FOR500: Windows Forensic Analysis

Rob Lee Location: Harbor Ballroom B (HYATT)

FOR508: Advanced Digital Forensics, Incident Response, and Threat Hunting

Eric Zimmerman Location: Harbor Ballroom F (HYATT)

FOR518: Mac and iOS Forensic Analysis and Incident Response

Sarah Edwards Location: Regatta A (HYATT)

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

Philip Hagen Location: Cortez Hill B/C (HYATT)

FOR578: Cyber Threat Intelligence

Jake Williams Location: Harbor Ballroom A (HYATT)

FOR585: Advanced Smartphone Forensics

Cindy Murphy Location: Mission Beach C (HYATT)

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

Evan Dygert Location: Cortez Hill A (HYATT)

MGT414: SANS Training Program for CISSP® Certification

David R. Miller Location: Santa Rosa (MARRIOTT)
Bootcamp Hours: 8:00am - 9:00am (Course days 2-6) &
5:00pm - 7:00pm (Course days 1-5)

COURSE SCHEDULE

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

G. Mark Hardy Location: Temecula 1/2 (MARRIOTT)
Extended Hours: 5:00pm - 6:00pm (Course days 1-4)

MGT514: IT Security Strategic Planning, Policy, and Leadership

Frank Kim Location: Harbor Ballroom E (HYATT)

MGT517: Managing Security Operations: Detection, Response, and Intelligence

My-Ngoc Nguyen Location: Leucadia (MARRIOTT)

DEV540: Secure DevOps and Cloud Application Security

Eric Johnson Location: Marina (HYATT)

ICS410: ICS/SCADA Security Essentials

Billy Rios Location: Torrey Hills A/B (HYATT)

START DATE: **Thursday, May 17, 2018**

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

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

Chris Christianson Location: Hillcrest A/B (HYATT)

SEC455: SIEM Design & Implementation

John Hubbard Location: Hillcrest C/D (HYATT)
Extended Hours: 9:00am - 6:00pm (Day 1)
8:00am - 5:00pm (Day 2)

SEC564: Red Team Operations and Threat Emulation

Joe Vest Location: Marina (HYATT)

SEC580: Metasploit Kung Fu for Enterprise Pen Testing

Kevin Fiscus Location: Torrey Hills A/B (HYATT)

MGT433: SANS Security Awareness: How to Build, Maintain, and Measure a Mature Awareness Program

Lance Spitzner Location: Mission Beach A/B (HYATT)

DEV534: Secure DevOps: A Practical Introduction

Gregory Leonard Location: Mission Beach C (HYATT)



**Add a GIAC Certification with
your SANS training at
SANS Security West 2018 and
SAVE \$370!**

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 \$729 when you bundle your certification attempt with your SANS training course during SANS Security West 2018 for a savings of \$370! After this event is over, the alumni bundle price goes to \$1,099.

To receive the discount, stop by the Registration Support Desk before the last day of class or add the Certification Attempt via your SANS Portal Account at www.sans.org.

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

Enrich your SANS experience!

Morning and evening talks given by our faculty and selected subject matter experts give you the tools to broaden your knowledge and get the most for your training dollar.

THURSDAY, MAY 10

SPECIAL EVENT

SANS Security West 2018 Welcome Reception

Thu, May 10 | 5:00pm - 7:00pm | Location: Harbor Ballroom Foyer (HYATT)

Thu, May 10 | 5:00pm - 7:00pm | Location: Bayside (MARRIOTT)

Kick off your SANS Security West 2018 experience at the Welcome Reception taking place at both the Manchester Grand Hyatt and the Marriott Marquis. Be part of this premier event and join the industry's most powerful gathering of cybersecurity professionals. Share stories, make connections and learn how to make the most of your week in San Diego. Come join your colleagues for a fun, relaxing evening.

FRIDAY, MAY 11

SPECIAL EVENT

General Session – Welcome to SANS

Speaker: Bryan Simon

Fri, May 11 | 8:00am - 8:30am | Location: Harbor Ballroom A (HYATT)

Speaker: Jason Fossen

Fri, May 11 | 8:00am - 8:30am | Location: Santa Rosa (MARRIOTT)

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.

KEYNOTE

An Interactive Look at Cyber Crime and Today's Threat Landscape

Speaker: Stephen Sims & James Lyne

Fri, May 11 | 7:15pm - 9:15pm | Location: Harbor Ballroom A (HYATT)

Let's take a journey through the most common attack trends, malicious software, and techniques used by adversaries today. Cyber-criminals closely monitor the landscape for changes, actively respond to these changes, and remain one step ahead of our efforts to maintain an acceptable level of security. It is critical for our defenders to keep up with these forever-changing techniques. Surprisingly, the success of cyber-criminals often depends on basic mistakes still made by users. Join Stephen & James as they perform several demonstrations of exploiting both publicly disclosed and privately disclosed vulnerabilities involving applications such as Internet Explorer/Edge, Skype, as well as reverse engineering live Ransomware. This presentation will weave in and out of high-level definitions and concepts, all the way to advanced demonstrations and reverse engineering.

SATURDAY, MAY 12

LUNCH & LEARN

How to Become a SANS Instructor

Speaker: Eric Conrad

Sat, May 12 | 12:30pm - 1:15pm | Location: Harbor Ballroom D (HYATT)

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. A certified SANS instructor will share their experiences and show you how to become part of the SANS top-rated instructor team.

This presentation is free of charge, but space is limited to the first 40 registrations. Please register here, www.sans.org/bonus-sessions/register/14855/50975. There will also be a bulletin board on-site for lunch and learn sign ups.

SANS@NIGHT

Three Keys for SecDevOps Success

Speaker: Frank Kim

Sat, May 12 | 7:15pm - 8:15pm | Location: Harbor Ballroom A (HYATT)

Learn three things that security teams can do to get to "yes" with DevOps teams that are striving to move at an even more rapid pace. Traditional application security practices can't keep up with the speed of modern development organizations. Hear how you can start to make a difference for your organization.

BONUS SESSIONS

SANS@NIGHT

Threat Detection on the Cheap

Speaker: Evan Dygert

Sat, May 12 | 7:15pm - 8:15pm | Location: Harbor Ballroom E (HYATT)

There are lots of products out there that help detect threats but maybe you don't have the budget of a large organization. This session will give you some cheap and relatively easy actions you can do now to make your threat detection more effective. You will learn some baselines you should be measuring against and how to gain visibility into high value actionable events that occur in your systems and networks.

SANS@NIGHT

Blockchain 101

Speaker: G. Mark Hardy

Sat, May 12 | 8:15pm - 9:15pm | Location: Harbor Ballroom A (HYATT)

Yeah, I know. Mining a Bitcoin block seven or eight years ago on your PC took 10 minutes and would now buy you an entire house. But there is more to blockchain than tales of "the one that got away." A flurry of patent filings over the last couple of years, initial coin offerings (ICOs), and "stupid money" being thrown at startups make blockchain in 2018 look like dot com in 1999. There will be a lot of hype, a lot of losers, and a huge crash is imminent, followed by a handful of winners. We'll try to identify the likely winners – technologies that are now working their way into mainstream business. We'll also discuss what blockchain is, how it works, why it has suddenly become the hottest thing in tech (and security), and some likely visions of the future according to blockchain.

SUNDAY, MAY 13

SANS@NIGHT

MT6D: Moving Target IPv6 Defense

Speaker: Randy Marchany

Sun, May 13 | 7:15pm - 8:15pm | Location: Harbor Ballroom A (HYATT)

Virginia Polytechnic Institute and State University has been running a full production dual stack IPv4/IPv6 network since 2005. This has allowed the IT Security Office and Lab to develop some unique DDOS defense mechanisms for IPv6. MT6D is conceptually identical to radio frequency hopping but jumping IP addresses instead of radio frequencies. Session information is maintained as the two hosts jump to new addresses within the University's IPv6 subnets. One of our v6 subnets contains 10**19 addresses (IPv4's total address space is ~10**10 addresses) so the probability of address collision is very low. The size of these v6 subnets makes it difficult for attackers to use traditional network scanning techniques to find a target. An MT6D session works by having the sender and receiver

jump to new IPv6 addresses at a predetermined interval (for example, every two seconds), which makes it difficult for an attacker to DDOS either host. This talk explains how MT6D works and how similar defense schemes can help reduce target visibility. A demo of the system at work will also be shown.

SANS@NIGHT

When Devices Attack!

Speaker: Billy Rios

Sun, May 13 | 8:15pm - 9:15pm | Location: Harbor Ballroom A (HYATT)

The Internet of Things (IoT) is all around us, making our lives more convenient. We've seen IoT devices being taken over to conduct DDOS attacks. We've heard about connected refrigerators being used to SPAM users and baby monitors being used to scream obscenities at innocent infants. But could an IoT device be re-purposed to physically attack an unsuspecting user? Let's find out.

SANS@NIGHT

Mac Times, MAC Times and More!

Speaker: Lee Whitfield

Sun, May 13 | 8:15pm - 9:15pm | Location: Harbor Ballroom E (HYATT)

How well do you really understand the times you see during an investigation? Are you confident in testifying that something happened at a specific time, or on a specific date? This presentation will revisit the file times found on Windows computers and what they mean. It will also focus on the dates and times recorded by MacOS computers, including timestamps found outside of the normal places.

MONDAY, MAY 14

SPECIAL EVENT

Coffee and Donuts with the Graduate Students

Mon, May 14 | 7:30am - 9:00am | Location: Harbor Foyer (HYATT)

Get the inside scoop on what it's like to pursue a graduate degree in cybersecurity from SANS from like-minded information security professionals currently enrolled in the SANS graduate programs. SANS' regionally accredited graduate program, the SANS Technology Institute, 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.

BONUS SESSIONS

SPECIAL EVENT

Women's CONNECT Event

Mon, May 14 | 6:00pm - 7:00pm | Location: Harbor Ballroom Foyer (HYATT)

This reception is free of charge, but space is limited. To attend register here, www.sans.org/bonus-sessions/register/14815/50975

Joins SANS and 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, both by having their members attend and having group representatives on hand to discuss their group, its activities and 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, Judith Wagner, among MANY others.

Following the event, please join us in attending our SANS@NIGHT presentation where My-Ngoc Nguyen will deliver her talk on, "Failing to Succeed in Cyber Security and Risk Management"

SANS@NIGHT

Failing to Succeed in Cyber Security and Risk Management

Speaker: My-Ngoc Nguyen

Mon, May 14 | 7:15pm - 8:15pm | Location: Harbor Ballroom D (HYATT)

The word "failure" (the other bad F word) has such a negative connotation, especially in the cyber security realm. This is because we are taught at an early age that an F is really bad. But is it? This talk will discuss how we need to fail forward in order to better succeed and improve our ability to manage risk. Managing risk is a complicated aspect to effective cyber security. In order to get better at it, we need to embrace calculated failures and mature our risk model.



NETWARS

EXPERIENCE



Hands-On Information Security Challenges

CORE NETWARS EXPERIENCE



Hosted by Bryce Galbraith

Mon, May 14 & Tue, May 15 | 6:30pm - 9:30pm

Location: Harbor Ballroom G/H (HYATT)

DFIR NETWARS TOURNAMENT



Hosted by Cindy Murphy & Philip Hagen

Mon, May 14 & Tue, May 15 | 6:30pm - 9:30pm

Location: Harbor Ballroom A (HYATT)

CYBER DEFENSE NETWARS TOURNAMENT



Hosted by Eric Conrad & Tim Garcia

Mon, May 14 & Tue, May 15 | 7:15pm - 10:15pm

Location: Harbor Ballroom C (HYATT)

All students who register for a 4-, 5-, or 6-day course will be eligible to play NetWars for FREE. Space is limited. Please visit the Registration Support desk to register today.

Vendor Solutions Expo

Tue, May 15 | Location: Harbor Foyer (HYATT)

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

Tue, May 15 | 12:00pm-1:30pm | Location: Harbor Foyer (HYATT)

Sign up at the SANS vendor table to receive a ticket for a free lunch brought to you by 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. Please note, by accepting a lunch ticket your badge will be scanned and your contact information shared with the sponsoring vendors.

Luncheon sponsors are:

 ANOMALI®

 BRICATA®
Network Threat Hunting Simplified

 corelight

 Qualys®
Continuous Security

 SWIMLANE

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 at the Vendor Registration Desk.

 ANOMALI®
LUNCH AND LEARN

Why Threat Intelligence?

Speaker: Kyle Thompson, Sr. Security Engineer

Mon, May 14 | 12:30pm - 1:15pm | Location: Harbor Ballroom F (HYATT)

This presentation will cover why cyber threat intelligence is important to your organization. Research has shown increased awareness of Cyber Threat Intelligence (CTI) capabilities. However, CTI teams continue to be underutilized and have had difficulty demonstrating the value they can add to internal teams. This presentation will suggest how CTI can support your business and gain an understanding of why intelligence is important.

 Qualys®
Continuous Security
LUNCH AND LEARN

Consolidating Security Controls and Monitoring Systems for Your Hybrid IT Environments

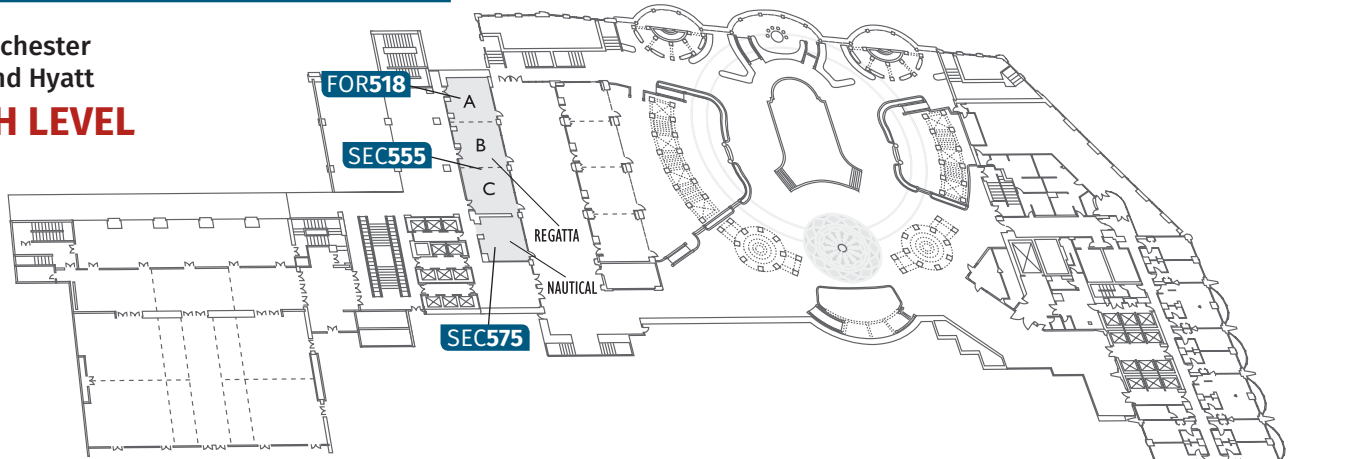
Speaker: Felix Jimenez, Technical Account Manager, Post-Sales, Qualys

Wed, May 16 | 12:30pm - 1:15pm | Location: Harbor Ballroom E (HYATT)

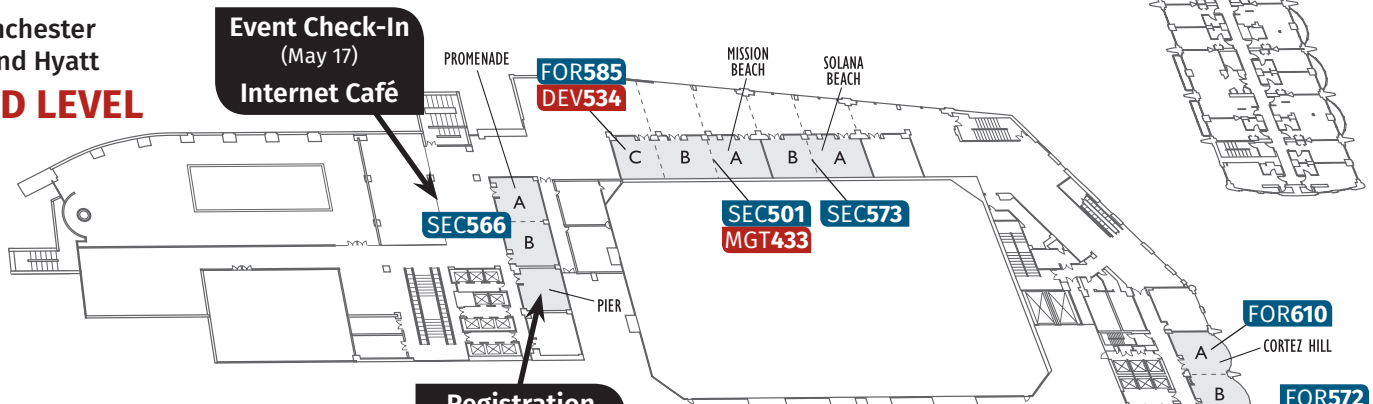
As organizations digitally transform, the increased adoption of encrypted machine-to-machine communication and cloud infrastructure creates rapidly changing attack surfaces and new areas of risk. In order to stay ahead of this risk, organizations must automate and centralize visibility and tracking of their global certificate deployments and cloud environments. Qualys CertView and CloudView enable organizations of all sizes to gain such visibility by helping them create a continuous inventory and assessment of their digital certificates, cloud workloads and infrastructure that is integrated into a single-pane view of security and compliance.

HOTEL FLOOR PLAN

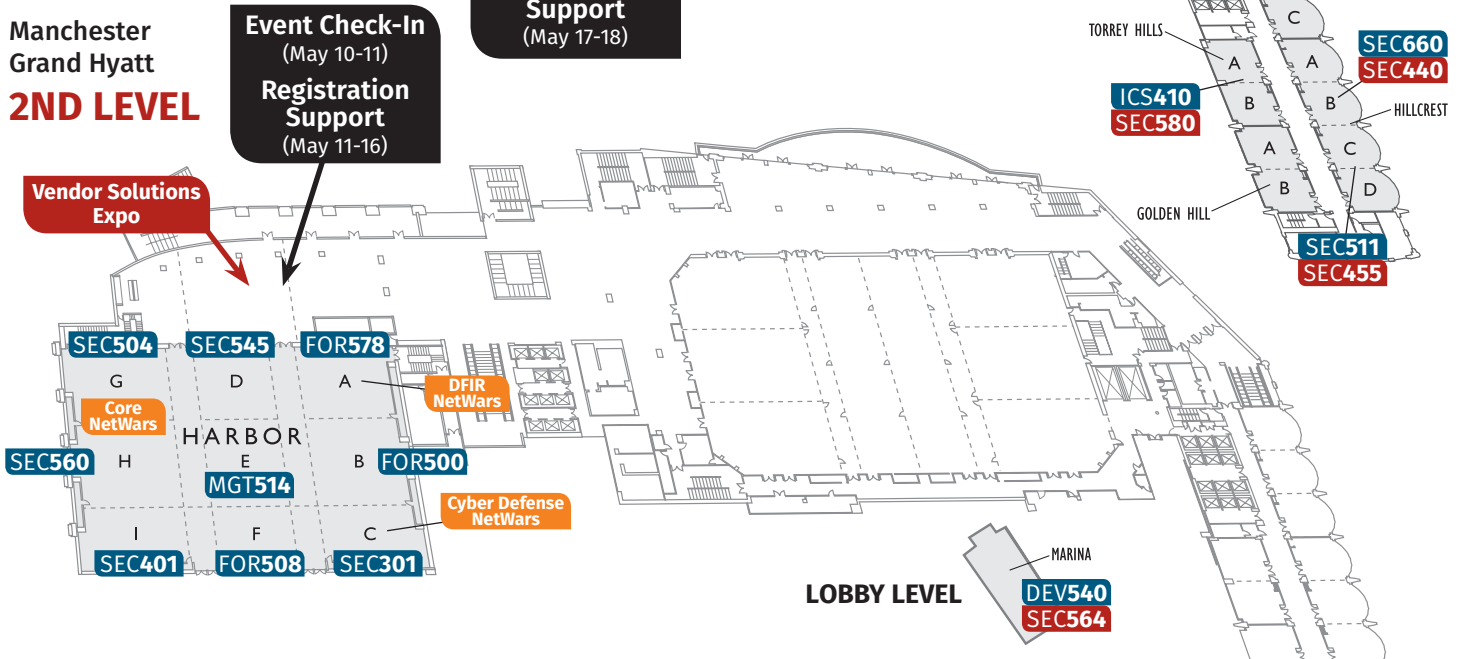
Manchester Grand Hyatt 4TH LEVEL



Manchester Grand Hyatt 3RD LEVEL



Manchester Grand Hyatt 2ND LEVEL



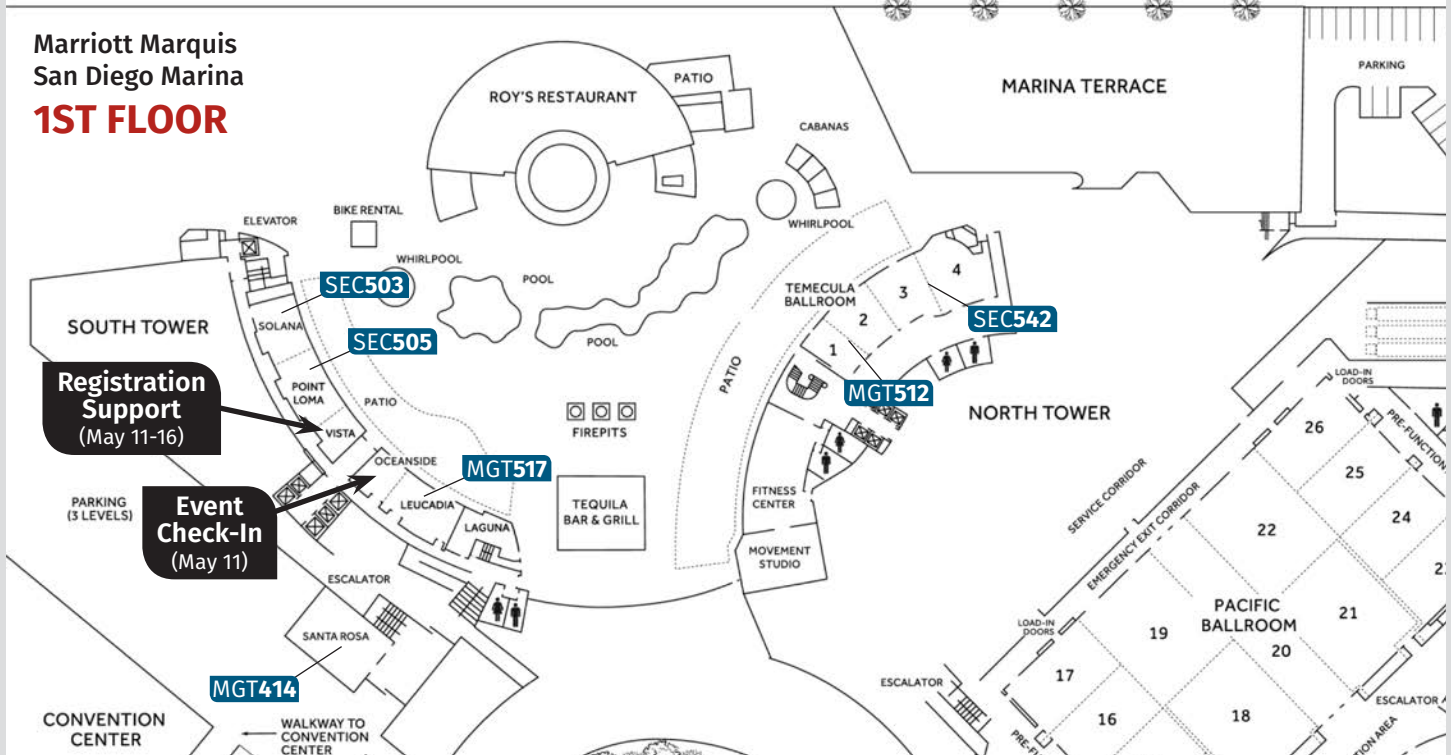
LOBBY LEVEL

HOTEL FLOOR PLAN

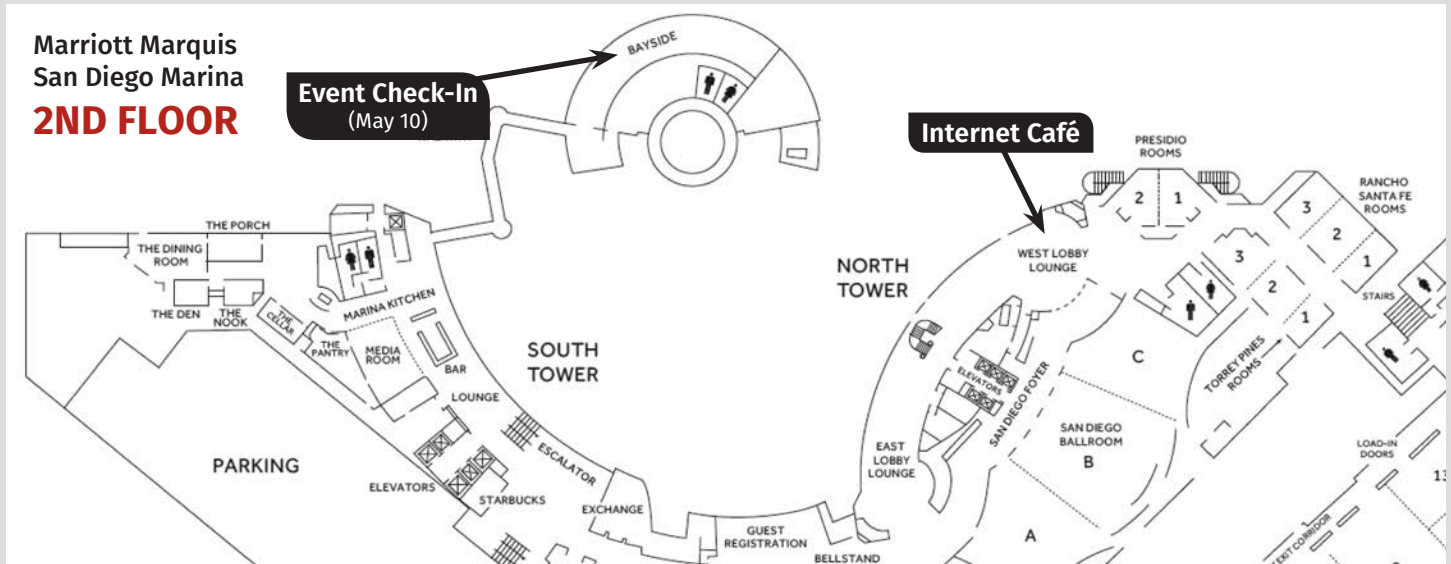
MARINA

PEDESTRIAN/BICYCLE WALK

Marriott Marquis San Diego Marina 1ST FLOOR



Marriott Marquis San Diego Marina 2ND FLOOR



Sign into your SANS account to enjoy these **free** resources at www.sans.org/account

Newsletters

NewsBites

Twice-weekly, high-level executive summaries 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.

Webcasts

Ask the Experts 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.

Other Free Resources

(No portal account is necessary)

- InfoSec Reading Room
- Top 25 Software Errors
- 20 Critical Controls
- Security Policies
- Intrusion Detection FAQs
- Tip of the Day
- Security Posters
- Thought Leaders
- 20 Coolest Careers
- Security Glossary
- SCORE (Security Consensus Operational Readiness Evaluation)



Future Training Events

Northern VA Reston Spring

Reston, VA May 20-25 #SANSReston

Atlanta

Atlanta, GA May 29 - Jun 3 #SANSAtlanta

Rocky Mountain

Denver, CO Jun 4-9 #SANSRocky

Crystal City

Arlington, VA Jun 18-23 #SANSCrystalCity

Minneapolis

Minneapolis, MN Jun 25-30 #SANSMinneapolis

Vancouver

Vancouver, BC Jun 25-30 #SANSVancouver

Charlotte

Charlotte, NC Jul 9-14 #SANSCharlotte

SANSFIRE

Washington, DC Jul 14-21 #SANSFIRE

Pittsburgh

Pittsburgh, PA Jul 30 - Aug 4 #SANSPittsburgh

Boston Summer

Boston, MA Aug 6-11 #SANSBoston

San Antonio

San Antonio, TX Aug 6-11 #SANSSanAntonio

New York City Summer

New York, NY Aug 13-18 #SANSNYC

Northern VA Alexandria

Alexandria, VA Aug 13-18 #SANSAlexandria

Virginia Beach

Virginia Beach, VA Aug 20-31 #SANSVirginiaBeach

Chicago

Chicago, IL Aug 20-25 #SANSChicago



Future Summit Events

DFIR

Austin, TX Jun 7-14 #DFIRSummit

Security Operations

New Orleans, LA Jul 30 - Aug 6 #SOCSummit

Security Awareness

Charleston, SC Aug 6-15 #SecAwareSummit

Security West 2019

San Diego, CA | May 9-14, 2019

*Save the date
and join us
again 2019 as we
return to the
Manchester
Grand Hyatt!*