

CLASS NAME	DATE	LOCATION	LEVEL
5G Infrastructure Attacking and Defense <i>by Toolswatch</i>	Aug. 5-6 Aug. 7-8	Tradewinds – B	NORTH
A Complete Practical Approach to Malware Analysis and Memory Forensics - 2023 Edition <i>by Monnappa K A & Sajan Shetty</i>	Aug. 5-8	Tradewinds – A	NORTH
A Crash Course of Practical Fast Forensics with a Red Teaming Perspective for Knowing Your Enemy <i>by Internet Initiative Japan Inc.</i>	Aug. 5-8	Islander – C	NORTH
A Guide To Reversing with Ghidra <i>by Craig Young</i>	Aug. 5-6 Aug. 7-8	South Seas – Ballroom I	3
A Journey Into Mobile Application Hacking (iOS & Android) <i>by SensePost Orange Cyberdefense</i>	Aug. 5-6 Aug. 7-8	Oceanside – F	2
A Practical Approach to Breaking & Pwning Kubernetes Clusters <i>by Madhu Akula</i>	Aug. 5-6 Aug. 7-8	Islander – A	NORTH
Abusing & Securing Azure Services <i>by Tarek Naja</i>	Aug. 5-6 Aug. 7-8	South Pacific – A	NORTH
Abusing Active Directory (On-Prem & Azure) <i>by hackersacademy.com</i>	Aug. 5-6 Aug. 7-8	South Pacific – B	NORTH
Abusing and Protecting Kubernetes, Linux and Containers <i>by Jay Beale, InGuardians</i>	Aug. 5-8	Mandalay Bay – B	2
Actionable Purple Teaming <i>by TrustedSec</i>	Aug. 5-8	Mandalay Bay – C	2
Active Directory Security Fundamentals <i>by SpecterOps</i>	Aug. 5-6 Aug. 7-8	Palm – B	3
Advanced APT Threat Hunting & Incident Response <i>by Lina Lau (@InverseCos @XINTRAORG)</i>	Aug. 5-6 Aug. 7-8	Jasmine - F	3
Advanced Detection Engineering in the Enterprise <i>by Olaf Hartong / Henri Hambartsumyan / FalconForce</i>	Aug. 5-8	Islander – F	NORTH
Advanced Hacking and Securing Windows Infrastructure <i>by Paula Januszkiewicz, CEO and Cybersecurity Expert; Dr. Mike Jankowski-Lorek, Director of Consulting, Cybersecurity Expert; CQURE</i>	Aug. 7-8	Banyan – F	3
Advanced Hardware Hacking: Power Analysis & Fault Injection with the ChipWhisperer <i>by NewAE Technology Inc.</i>	Aug. 5-6 Aug. 7-8	Reef – A	2
Advanced Infrastructure Hacking 2023 Edition 2 Day <i>by Notsosecure</i>	Aug. 5-6 Aug. 7-8	Islander – H	NORTH
Advanced Infrastructure Hacking 2023 Edition 4 Day <i>by Notsosecure</i>	Aug. 5-8	South Pacific – C	NORTH
Advanced Malware Traffic Analysis: Defence in Depth 2023 Edition <i>by Veronica Valeros and Sebastian Garcia</i>	Aug. 7-8	Tradewinds – F	NORTH
Advanced Whiteboard Hacking - aka Hands-on Threat Modeling <i>by Toreon</i>	Aug. 5-6 Aug. 7-8	Mariners – A	NORTH
Adversarial Cloud Incident Response <i>by Will Bengtson and Rich Mogull</i>	Aug. 5-6 Aug. 7-8	Banyan – B	3
Adversary Detection & Incident Response - Network Defense Range Operations <i>by Recon Infosec</i>	Aug. 5-8	Mandalay Bay – K	2
Adversary Emulation and Active Defense <i>by TEAMARES</i>	Aug. 5-6 Aug. 7-8	Jasmine – A	3
Adversary Tactics: Detection <i>by SpecterOps</i>	Aug. 5-8	Jasmine – E	3
Adversary Tactics: Mac Tradecraft <i>by SpecterOps</i>	Aug. 5-8	Palm – E	3
Adversary Tactics: Red Team Operations <i>by SpecterOps</i>	Aug. 5-8	South Seas – Ballroom F	3
Adversary Tactics: Tradecraft Analysis <i>by SpecterOps</i>	Aug. 5-8	South Seas – Ballroom A	3
Adversary Tactics: Vulnerability Research for Operators <i>by SpecterOps</i>	Aug. 5-6 Aug. 7-8	Palm – C	3
Applied Data Science and Machine Learning for Cyber Security <i>by GTK Cyber</i>	Aug. 5-6 Aug. 7-8	Oceanside – G	2
Applied Hardware Attacks 3 - Rapid Prototyping <i>by Joe FitzPatrick & The SecuringHardware.com Team</i>	Aug. 5-6	Palm – A	3
Applied Hardware Attacks 4 - Hardware Implants <i>by Joe FitzPatrick & The SecuringHardware.com Team</i>	Aug. 7-8	Palm – A	3
Applied Network Security <i>by Matt Pawloski, Raven Works LLC</i>	Aug. 5-8	Jasmine – C	3
Assessing and Exploiting Control Systems and IIoT <i>by Justin Searle / InGuardians</i>	Aug. 5-8	Mandalay Bay – A	2
Astute AWS/Azure/GCP Cloud Red Team: It's Raining Shells! - 2023 Edition <i>by UltraViolet Cyber</i>	Aug. 5-6 Aug. 7-8	South Pacific – I	NORTH
Attack and Defend Android Applications <i>by Cyfinoid Research Private Limited</i>	Aug. 5-6	South Pacific – J	NORTH
Attacking Mobile Applications: Practical Security Testing for Android and iOS <i>by Mandiant (now part of Google Cloud)</i>	Aug. 5-8	Reef – C	2
Attacking the Application Supply-Chain: 2023 Edition <i>by AppSecEngineer by we45</i>	Aug. 5-6 Aug. 7-8	Islander – B	NORTH
Automating Reverse Engineering with Machine Learning, Binary Analysis, and Natural Language Processing <i>by Malachi Jones, PhD</i>	Aug. 5-8	Tradewinds – D	NORTH
Automating Security with Open Source <i>by Threat Intelligence Pty Ltd</i>	Aug. 5-6 Aug. 7-8	South Pacific – G	NORTH

CLASS NAME	DATE	LOCATION	LEVEL
Beyond IOCs: How to Effectively Threat Hunt Using TTPs and Behaviors <i>by Lee Archinal of Cyborg Security</i>	Aug. 5-6 Aug. 7-8	Islander – G	NORTH
Black Hat Certified Pentester <i>by Sec Ops Group</i>	Aug. 5 Aug. 6 Aug. 7 Aug. 8	South Seas – Ballroom E	3
Blackhat Machine Learning <i>by NVIDIA</i>	Aug. 5-6 Aug. 7-8	Jasmine – B	3
Building a High-Value AppSec Scanning Programme (SCA, SAST, DAST and more) <i>by Josh Grossman, Bounce Security</i>	Aug. 7-8	Palm – G	3
Building and Reversing Digital Radios with SDR <i>by Paul Clark</i>	Aug. 5-8	Palm – F	3
Cloud Security Hands-On (CCSK+) for AWS <i>by Securosis</i>	Aug. 5-6	Banyan – A	3
Cloud Security Hands-On (CCSK+) for Azure <i>by Securosis</i>	Aug. 7-8	Banyan – A	3
Customizable Static Vulnerability Discovery Using Angr's Lesser Known Capabilities <i>by Emotion Labs LLC / Fish Wang</i>	Aug. 5-8	Mariners – B	NORTH
Defeating Microsoft's Default Bitlocker Implementation <i>by Popp Schweiz AG</i>	Aug. 5-6 Aug. 7-8	Tradewinds – E	NORTH
Defending Enterprises - 2023 Edition <i>by In.security</i>	Aug. 5-6 Aug. 7-8	South Seas – Ballroom H	3
DevSecOps Masterclass: 2023 Edition <i>by AppSecEngineer by we45</i>	Aug. 5-8	Mandalay Bay – I	2
Digging Deeper with Velociraptor <i>by Mike Cohen</i>	Aug. 5-8	Tropics – A	NORTH
Full Scope Social Engineering and Physical Security <i>by Snowfensive</i>	Aug. 5-8	South Seas – Ballroom J	3
Fundamentals of Industrial Control Systems (ICS) Security <i>by Mandiant (now part of Google Cloud)</i>	Aug. 5-6 Aug. 7-8	Mandalay Bay – D	2
Hack in the Block: Back to Basics <i>by Nadir Akhtar & Anto Joseph</i>	Aug. 5-6	Tradewinds – F	NORTH
Hacking and Securing Cloud Infrastructure 2023 4 Day Edition <i>by NotSoSecure</i>	Aug. 5-8	Islander – E	NORTH
Hacking Bureaucracy <i>by Kopidion</i>	Aug. 7-8	Banyan – D	3
Hacking Cloud Infrastructure 2023 2 Day Edition <i>by Notsosecure</i>	Aug. 5-6 Aug. 7-8	Islander – I	NORTH
Hacking Enterprises - 2023 Red Edition <i>by In.security</i>	Aug. 5-6 Aug. 7-8	South Seas – Ballroom B	3
Hands-On Hacking Fundamentals - 2023 Edition <i>by SensePost Orange Cyberdefense</i>	Aug. 5-6 Aug. 7-8	Mandalay Bay – L	2
Industrial Control Systems: Build, Break, Secure <i>by Arnaud Soullie</i>	Aug. 5-8	Jasmine – G	3
Information Operations: Influence, Exploit, And Counter <i>by Kopidion</i>	Aug. 5-6	Banyan – C	3
IntelTechniques 2-Day OSINT Training <i>by IntelTechniques</i>	Aug. 7-8	South Pacific – J	NORTH
Intrusion Operations: Tooling, Evasion, and Strategy <i>by Red Siege (formerly FortyNorth Security)</i>	Aug. 5-8	South Pacific – H	NORTH
Malware Hunting & Digital Forensics <i>by Paula Januszkiewicz, CEO and Cybersecurity Expert; Dr. Mike Jankowski-Lorek, Director of Consulting, Cybersecurity Expert; CQURE</i>	Aug. 5-6	Banyan – F	3
Military Strategy and Tactics for Cybersecurity <i>by Kopidion</i>	Aug. 7-8	Banyan – C	3
Offensive Azure AD and Hybrid AD Security <i>by Dirk-Jan Mollema - Outsider Security</i>	Aug. 5-8	South Pacific – D	NORTH
Physical Penetration & Electronic Access Control Hacking <i>by Red Team Alliance</i>	Aug. 5-8	Palm – D	3
Practical IoT Hacking <i>by Toolswatch</i>	Aug. 5-8	Surf – D	2
Python Hacker Bootcamp: Zero to Hero <i>by Snowfensive</i>	Aug. 5-6 Aug. 7-8	South Seas – Ballroom D	3
Ransomware Response Boot Camp <i>by LMG Security (Sherri Davidoff and Matt Durrin)</i>	Aug. 5-6 Aug. 7-8	Jasmine – H	3
Reverse Engineering Firmware with Ghidra <i>by Eric Evenchick</i>	Aug. 5-6 Aug. 7-8	Jasmine – D	3
Tactical Hacking Essentials - 2023 Edition <i>by SensePost Orange Cyberdefense</i>	Aug. 5-8	Oceanside – E	2
The Shellcode Lab <i>by Threat Intelligence Pty Ltd</i>	Aug. 5-6 Aug. 7-8	South Seas – Ballroom C	3
Unplugged: Modern Wi-Fi Hacking <i>by SensePost Orange Cyberdefense</i>	Aug. 5-8	Mandalay Bay – J	2
Web Hacking Black Belt Edition 2023 2 Day <i>by Notsosecure</i>	Aug. 5-6 Aug. 7-8	Islander – D	NORTH
Web Hacking Black Belt Edition 2023 4 Day <i>by Notsosecure</i>	Aug. 5-8	Coral – A/B/C	NORTH
Windows Enterprise Incident Response <i>by Mandiant (now part of Google Cloud)</i>	Aug. 5-6 Aug. 7-8	Reef – B	2
Windows Instrumentation With Frida <i>by Ruben Boone</i>	Aug. 5-6 Aug. 7-8	Tropics – B	NORTH
Windows Kernel Rootkit Techniques <i>by T. Roy, CodeMachine</i>	Aug. 5-8	Banyan – E	3
Windows Reverse Engineering (+Rust) from Scratch (Zero - Kernel & All Things In-between) <i>by Christopher Vella</i>	Aug. 5-8	Surf – A	2

Training Schedule

Sat, Aug 5

9:00 AM - 10:00 AM	Continental Breakfast
10:00 AM	Classes Start
12:30 PM - 1:45 PM	Lunch Break
4:00 PM - 4:15 PM	Coffee Service
7:00 PM	Classes End

Sun, Aug 6 – Tues, Aug 8

8:00 AM - 9:00 AM	Continental Breakfast
9:00 AM	Classes Start
10:30 AM - 10:45 AM	Coffee Service
12:30 PM - 1:45 PM	Lunch Break
4:00 PM - 4:15 PM	Coffee Service
6:00 PM	Classes End

Trainings Notes

- ▶ All Training materials are distributed in your classroom.
- ▶ If you have registered for both Training and Briefings, you DO NOT need to check in again for Briefings.
- ▶ If you find that your class is not a good fit, please complete a Class Change Request Form (available from Black Hat Registration), have your instructor sign the form (instructor MUST sign form), and bring the signed form, along with your training tickets back to Black Hat Registration. Course seating is subject to availability. You may transfer a maximum of one (1) time. You must make this request no later than 2:00 pm on day one of the course.
- ▶ Please be responsible: Do NOT lose, misplace or forget your badge. Lost, misplaced, stolen, or forgotten badges will incur a replacement fee equal to the original purchase amount of your pass. If your badge was complimentary, the fee will be the current, on-site rate.
- ▶ Black Hat now issues all Training Certificates of Completion in digital format. Digital credentials - a traditional looking certificate, and more modern badge - provide a more sustainable, verifiable and secure pathway for Black Hat Training attendees to share their achievements. Certificates and badges will be sent to the email address associated with the attendee registration. Certificates will not be issued to attendees not physically present at their registered Training course. For any questions or issues with your certificate, please contact: certificates@blackhat.com.
- ▶ Trainings Evaluations: Your feedback on the quality and relevancy of your course helps us improve future Black Hat Trainings. Please complete the written evaluation provided by your instructor at the end of your Training.

Upcoming Training Events

Black Hat Trainings
@ **SecTor 2023**
Toronto, Canada
October 23 – 26

Black Hat Japan 2023
Tokyo, Japan
November 11 – 13

Black Hat Europe 2023
London, UK
December 4 – 7

Black Hat Asia 2024
Singapore
April 16 – 19, 2024

For more information, please visit blackhat.com/trainings

Black Hat Certified Pentester

<https://www.blackhat.com/us-23/certified-pentester.html>

9:00 AM - 6:00 PM

Saturday, August 5, 2023

Sunday, August 6, 2023

Monday, August 7, 2023

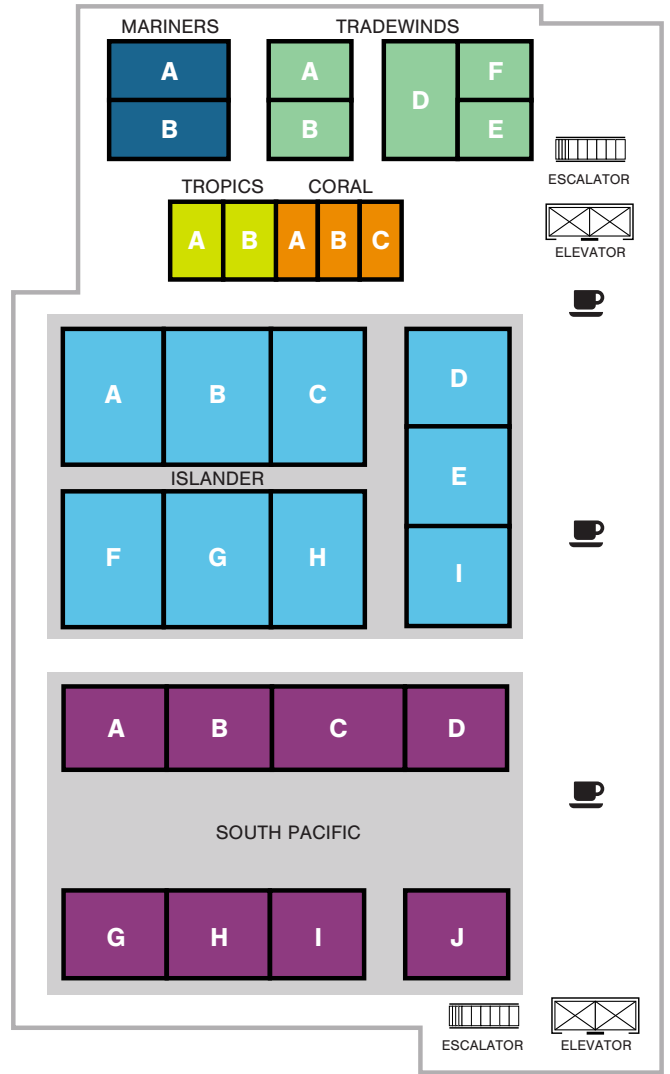
Tuesday, August 8, 2023

Location: South Seas Ballroom E

NORTH CONVENTION CENTER

NORTH

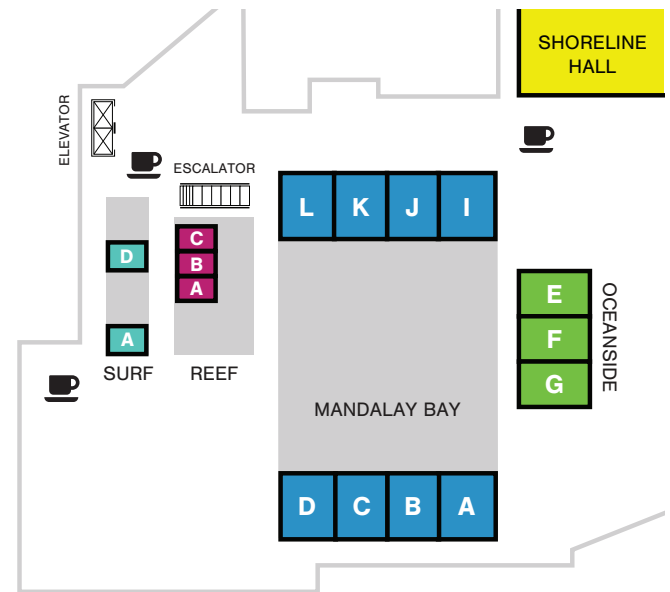
- Coral**
Rooms A-C
- Islander**
Rooms A-I
- Mariners**
Rooms A-B
- South Pacific**
Rooms A-J
- Tradewinds**
Rooms A-F
- Tropics**
Rooms A-B



SOUTH CONVENTION CENTER

LEVEL 2

- Mandalay Bay**
Rooms E-G
- Oceanside**
Room A-D
- Reef**
Rooms A-C
- Shoreline Hall**
Lunch
- Surf**
Rooms A-D



SOUTH CONVENTION CENTER

LEVEL 3

- Banyan**
Rooms A-F
- Jasmine**
Rooms A-H
- Palm**
Rooms A-G
- South Seas Ballroom**
Rooms A-J



Trainings Meals

Trainings Day coffee break (only) locations:

Level 3: Palm Foyer / South Seas Foyer

Level 2: MB Foyer near MB Ballroom I / Breakers Hallway / Surf Hallway

North Convention Center: Islander Reg Desk / South Pacific Reg Desk / Bayview Court North Hallway

Lunch will be held in **Shoreline** on Level 2.

Meals (for the day you are registered only) will be served in **Shoreline** on Level 2.

A Trainings pass is required to enter the lunch area.