

Class Name	Date	Location	Level
2024, A Space Hacking Odyssey <i>Final Frontier Security</i>	Aug. 3-4 Aug. 5-6	Palm – H	3
360° Ransomware Response: Detection, Negotiation, Recovery, and Prevention <i>LMG Security (Sherri Davidoff and Matt Durrin)</i>	Aug. 3-4 Aug. 5-6	Jasmine – F	3
802.11 Unplugged: Modern Wi-Fi Hacking <i>SensePost Orange Cyberdefense</i>	Aug. 3-6	Lagoon – C	2
A Basic Guide to Bug Hunting with Ghidra <i>Craig Young</i>	Aug. 3-4 Aug. 5-6	Banyan – D	3
A Beginner's Guide To Threat Hunting: How to Shift Focus from IOCs to Behaviors and TTPs <i>Cyborg Security/Intel 471</i>	Aug. 3-4 Aug. 5-6	Banyan – C	3
A Complete Practical Approach to Malware Analysis and Memory Forensics - 2024 Edition <i>Monnappa K A & Sajjan Shetty</i>	Aug. 3-6	Banyan – B	3
A DFIR Masterclass with Offensive and Defensive Techniques on Windows 11 and Server 2022 <i>Internet Initiative Japan Inc.</i>	Aug. 3-6	Breakers – K	2
A Journey Into Mobile Application Hacking (iOS & Android) <i>SensePost Orange Cyberdefense</i>	Aug. 3-4 Aug. 5-6	Lagoon – B	2
A Practical Approach to Breaking & Pwning Kubernetes Clusters <i>Madhu Akula</i>	Aug. 3-4 Aug. 5-6	Jasmine – E	3
Ability Driven Red Teaming <i>Egypt & Mubix</i>	Aug. 3-6	Banyan – A	3
Abusing and Protecting Kubernetes, Linux, and Containers <i>Jay Beale, InGuardians</i>	Aug. 3-6	Mandalay Bay – D	2
Accurate and Scalable: Web Application Bug Hunting <i>Michal Kamensky, Bounce Security</i>	Aug. 3-4 Aug. 5-6	Coral – C	NORTH
Active Directory Security Fundamentals <i>SpecterOps</i>	Aug. 3-4 Aug. 5-6	South Seas – Ballroom A	3
Adam Shostack's Threat Modeling Intensive <i>Adam Shostack</i>	Aug. 3-4 Aug. 5-6	Lagoon – J	2
Advanced Cloud Incident Response in Azure and Microsoft 365 <i>Korstiaan Stam from Invictus Incident Response B.V.</i>	Aug. 3-4 Aug. 5-6	Jasmine – B	3
Advanced Detection Engineering in the Enterprise <i>Olaf Hartong / FalconForce</i>	Aug. 3-6	Lagoon – D	2
Advanced Hacking and Securing Windows Infrastructure <i>Paula Januszkiewicz, CEO and Cybersecurity Expert; Dr. Mike Jankowski-Lorek, Director of Consulting, Cybersecurity Expert</i>	Aug. 3-4 Aug. 5-6	Jasmine – D	3
Advanced Hardware Hacking: Power Analysis & Fault Injection with the ChipWhisperer <i>NewAE Technology Inc.</i>	Aug. 3-4 Aug. 5-6	Breakers – A	2
Advanced Infrastructure Hacking - 4 Day <i>NotSoSecure</i>	Aug. 3-6	Mandalay Bay – J	2
Advanced Malware Traffic Analysis: Adaptive Defence. 2024 Edition <i>Veronica Valeros, Sebastian Garcia</i>	Aug. 5-6	Banyan – E	3
Advanced Security Operations and Threat Hunting <i>Digital Defense Institute</i>	Aug. 3-6	Oceanside – E	2
Advanced Threat Emulation: Active Directory <i>BC Security</i>	Aug. 3-4 Aug. 5-6	Shell Seekers – A	3
Advanced Threat Emulation: Evasion <i>BC Security</i>	Aug. 3-4 Aug. 5-6	Jasmine – C	3
Advanced Windows Exploitation <i>OffSec Powered By Applied Technology Academy</i>	Aug. 3-6	South Seas – Ballroom I	3
Adversarial Approach - Combating Social Engineering Attacks through Situational Awareness <i>Jayson E. Street</i>	Aug. 3-4 Aug. 5-6	Lagoon – E	2
Adversary Simulation and Capability Development <i>MDSec</i>	Aug. 3-6	Breakers – G	2
Adversary Tactics: Detection <i>SpecterOps</i>	Aug. 3-6	South Seas – Ballroom B	3
Adversary Tactics: Red Team Operations <i>SpecterOps</i>	Aug. 3-6	South Seas – Ballroom H	3
Adversary Tactics: Tradecraft Analysis <i>SpecterOps</i>	Aug. 3-6	South Seas – Ballroom J	3
AI Red Teaming in Practice <i>Dr. Amanda Minnich, Microsoft AI Red Team; Gary Lopez, Microsoft AI Red Team</i>	Aug. 3-4 Aug. 5-6	Oceanside – F	2
Android Userland & Kernel Fuzzing and Exploitation <i>Mobile Hacking Lab</i>	Aug. 3-4	Banyan – E	3
Applied Data Science and Machine Learning For Cybersecurity <i>GTK Cyber</i>	Aug. 3-4 Aug. 5-6	Palm – D	3
Applied Hardware Attacks 1 – Embedded and IoT Systems <i>Joe FitzPatrick & The SecuringHardware.com Team</i>	Aug. 3-4	Breakers – F	2
Applied Hardware Attacks 2 - Hardware Pentesting <i>Joe FitzPatrick & The SecuringHardware.com Team</i>	Aug. 5-6	Breakers – F	2
Applied Network Security <i>Matt Pawloski</i>	Aug. 3-6	Breakers – H	2
Applied Threat Hunting and Detection Engineering <i>TrustedSec</i>	Aug. 3-6	Lagoon – G	2
Assessing and Exploiting Control Systems and IIoT <i>Justin Searle / InGuardians</i>	Aug. 3-6	Mandalay Bay – B	2
Astute AWS/Azure/GCP Cloud Red Team: It's Raining Shells! - 2025 Edition (2 Day) <i>UltraViolet Cyber</i>	Aug. 3-4 Aug. 5-6	Mandalay Bay – C	2
Attacking and Defending AWS, Azure, and GCP Cloud Applications: 2024 Edition <i>AppSecEngineer</i>	Aug. 3-6	South Pacific – C	NORTH
Attacking Mobile Applications: Practical Security Testing for Android and iOS <i>Mandiant (now part of Google Cloud)</i>	Aug. 3-6	Breakers – L	2
Automating Reverse Engineering Processes with AI/ML, NLP, and LLMs <i>Malachi Jones, PhD</i>	Aug. 3-6	Tradewinds – D	NORTH
Automating Security with Open Source <i>Threat Intelligence Pty Ltd</i>	Aug. 3-4 Aug. 5-6	Mariners – B	NORTH

Class Name	Date	Location	Level
Basic Infrastructure Hacking - 2 Day <i>NotSoSecure</i>	Aug. 3-4	Mandalay Bay – I	2
Basic Web Hacking - 2 Day <i>NotSoSecure</i>	Aug. 5-6	Mandalay Bay – I	2
Black Hat Cryptography: Attacks, Tools & Techniques for Security Professionals <i>Ruben Gonzalez</i>	Aug. 3-4 Aug. 5-6	Banyan – F	3
Black Hat Machine Learning <i>NVIDIA</i>	Aug. 3-4 Aug. 5-6	Palm – A	3
Blue Team Arsenal: Python and Generative AI for Threat Intelligence <i>Roberto Rodriguez, Thomas Roccia</i>	Aug. 3-6	Breakers – E	2
Cloud Security Hands-On (CCSK+) for AWS <i>Securosis</i>	Aug. 3-4	Palm – B	3
Cloud Security Hands-On (CCSK+) for Azure <i>Securosis</i>	Aug. 5-6	Palm – B	3
Cognitive Security: Preparing for Cyber Deception Through Synthetic Media Attacks <i>Psyber Labs, LLC</i>	Aug. 3-4 Aug. 5-6	Tropics – B	NORTH
Defeating Microsoft's Default Bitlocker Implementation <i>Popp Schweiz AG</i>	Aug. 3-4 Aug. 5-6	Breakers – J	2
Defending Enterprises - 2024 Edition <i>In.security</i>	Aug. 3-4 Aug. 5-6	Palm – C	3
DevSecOps Masterclass: 2024 Edition <i>AppSecEngineer</i>	Aug. 3-6	South Pacific – B	NORTH
Elite Web Application Hacking <i>SensePost Orange Cyberdefense</i>	Aug. 3-4 Aug. 5-6	Lagoon – I	2
Foundational Security Operations and Defensive Analysis <i>OffSec Powered By Applied Technology Academy</i>	Aug. 3-6	South Seas – Ballroom C	3
Full Scope Social Engineering and Physical Security <i>Snowfensive</i>	Aug. 3-6	Lagoon – L	2
Fundamentals of Industrial Control Systems (ICS) Security <i>Mandiant (now part of Google Cloud)</i>	Aug. 3-4 Aug. 5-6	Breakers – C	2
Hacking and Securing Cloud Infrastructure - 4 Day <i>NotSoSecure</i>	Aug. 3-6	Mandalay Bay – K	2
Hacking Cybersecurity Leadership: An Interactive Training to Strengthen Skills for Leading Teams & Multi-Team Systems <i>MultiTeam Solutions</i>	Aug. 3-4 Aug. 5-6	Oceanside – G	2
Hacking Enterprises - 2024 Red Edition <i>In.security</i>	Aug. 3-4 Aug. 5-6	Jasmine – A	3
Hands-On Hacking Fundamentals - 2024 Edition <i>SensePost Orange Cyberdefense</i>	Aug. 3-4 Aug. 5-6	Lagoon – A	2
Implementation of Telco Networks for Pentesters: 2G, 4G and 5G <i>Ethon Shield</i>	Aug. 3-4 Aug. 5-6	Palm – E	3
Industrial Control Systems: Build, Break, Secure <i>Arnaud SOULLIE</i>	Aug. 3-6	Lagoon – F	2
Information Operations: Influence, Exploit, and Counter <i>Kopidion</i>	Aug. 3-4	Tradewinds – F	NORTH
IntelTechniques 2-Day OSINT Training <i>IntelTechniques</i>	Aug. 5-6	Mandalay Bay – A	2
Intermediate RF Reverse Engineering with SDR <i>Paul Clark</i>	Aug. 5-6	Tropics – A	NORTH
Introduction to Building and Reversing Digital Radios with SDR <i>Paul Clark</i>	Aug. 3-4	Tropics – A	NORTH
IoT and Embedded Device Exploitation <i>Loudmouth Security</i>	Aug. 5-6	Tradewinds – E	NORTH
Malware Detection and Triage with Volatility 3 <i>Andrew Case and Dave Lassalle</i>	Aug. 3-4 Aug. 5-6	Reef – C	2
Malware Detection in the AI Era: Attacks and Defenses on Machine Learning Classifiers <i>Dmitrijs Trizna and Luca Demetrio</i>	Aug. 3-4 Aug. 5-6	Surf – A	2
Military Strategy and Tactics for Cybersecurity <i>Kopidion</i>	Aug. 5-6	Tradewinds – F	NORTH
Offensive Hardware Hacking Training <i>WHID - We Hack In Disguise</i>	Aug. 3-4 Aug. 5-6	Palm – F	3
Offensive Mobile Reversing and Exploitation (iOS & Android) - 2024 Edition <i>8kSec</i>	Aug. 3-6	Coral – B	NORTH
Open Source Intelligence Tools & Techniques <i>Mandiant (now part of Google Cloud)</i>	Aug. 3-4	Breakers – D	2
PEN-200: Penetration Testing with Kali Linux <i>OffSec Powered By Applied Technology Academy</i>	Aug. 3-6	South Seas – Ballroom D	3
Physical Penetration, RFID Hacking, & Electronic Access Control Systems <i>Red Team Alliance</i>	Aug. 3-6	Surf – D	2
Practical Car Hacking - A Hands-On Approach <i>Willem Melching</i>	Aug. 3-6	Breakers – I	2
Practical Drone Hacking - Zero to Hero (Intensive) <i>Captain Kelvin and Boris So (Pilot Owl)</i>	Aug. 5-6	Jasmine – H	3
Python Hacker Bootcamp: Zero to Hero <i>Snowfensive</i>	Aug. 3-4 Aug. 5-6	Lagoon – K	2
Reverse Engineering Firmware with Ghidra <i>Tetrel Security</i>	Aug. 3-4 Aug. 5-6	South Pacific – A	NORTH
Tactical Hacking Essentials - 2024 Edition <i>SensePost Orange Cyberdefense</i>	Aug. 3-6	Lagoon – H	2
Tactical Recon for Pentesters - 2024 Edition <i>RedHunt Labs</i>	Aug. 3-4 Aug. 5-6	South Pacific – D	NORTH
The Art of Hacking - 4 Day <i>NotSoSecure</i>	Aug. 3-6	Mandalay Bay – I	2
The Shellcode Lab <i>Threat Intelligence Pty Ltd</i>	Aug. 3-4 Aug. 5-6	Jasmine – G	NORTH
Theory and Practice: Machine Learning Introduction with Threats and Vulnerabilities <i>AiB Security</i>	Aug. 3-6	Shell Seekers – B	NORTH
Web Hacking Black Belt Edition - 4 day <i>NotSoSecure</i>	Aug. 3-6	Mandalay Bay – L	2
Windows Enterprise Incident Response <i>Mandiant (now part of Google Cloud)</i>	Aug. 3-4 Aug. 5-6	Breakers – B	2
Windows Kernel Rootkit Techniques <i>T.Roy, CodeMachine</i>	Aug. 3-6	Reef – B	2

Training Schedule

Sat, Aug 3

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 4 – Tues, Aug 6

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.
- ▶ Lunch Break: Lunch will be provided (Saturday – Tuesday) from 12:30 PM to 1:45 PM in Shoreline on Level 2. Lunch will only be provided on the days you are registered for training. You must present your training badge to enter the lunch area. No students will be permitted to stay in the classrooms unattended during Lunch. Rooms will be unlocked starting at 1:15 PM with the trainer's presence. Black Hat is not responsible for items/equipment stored in these rooms. We do advise that attendees take their laptops and belongings with them during lunch breaks and at the end of each day.
- ▶ 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.

- ▶ Remember to bring your own laptop, charging cables, adapters, or power converters. Show management will not be providing them.

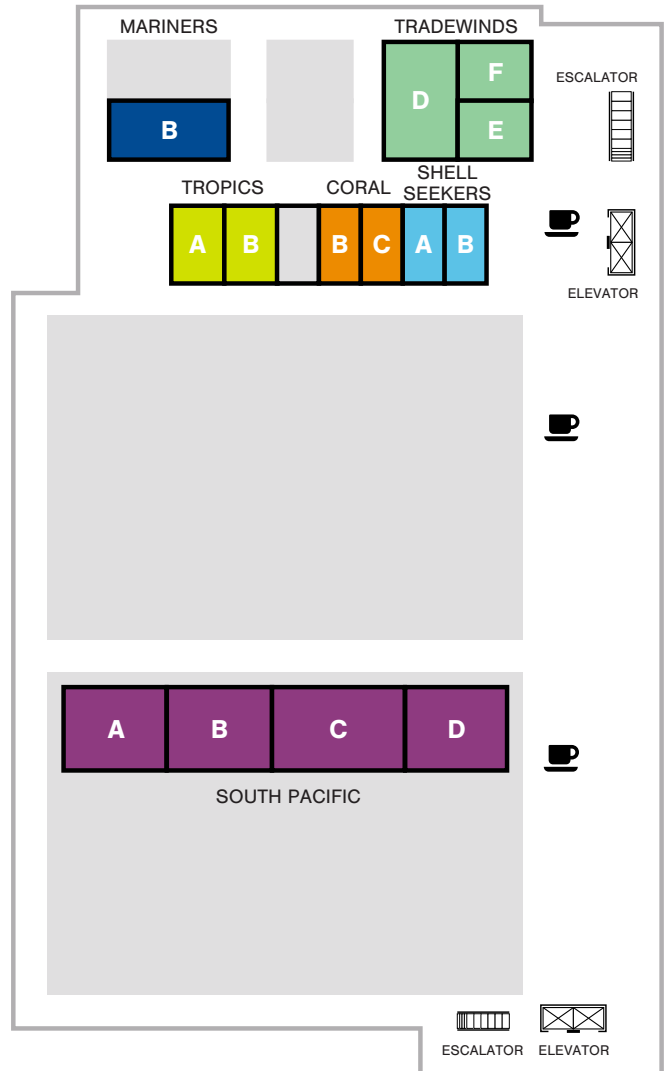
- ▶ Black Hat now issues all Training Certificates of Completion in digital format. Digital credentials - a traditional looking certificate, and more modern badge - provide a more sustainable, verifiable and secure pathway for Black Hat Training attendees to share their achievements. Certificates and 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.

NORTH CONVENTION CENTER

North

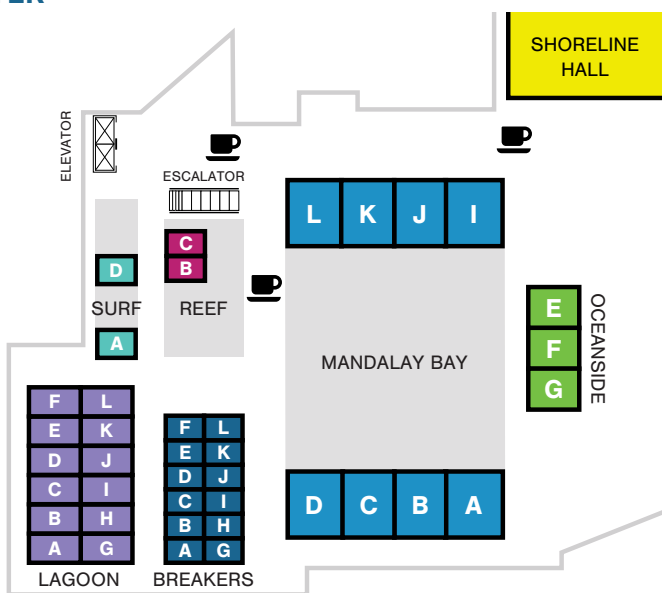
- Coral**
Rooms B, C
- Mariners**
Room B
- Shell Seekers**
Rooms A, B
- South Pacific**
Rooms A-D
- Tradewinds**
Rooms D-F
- Tropics**
Rooms A, B



SOUTH CONVENTION CENTER

Level 2

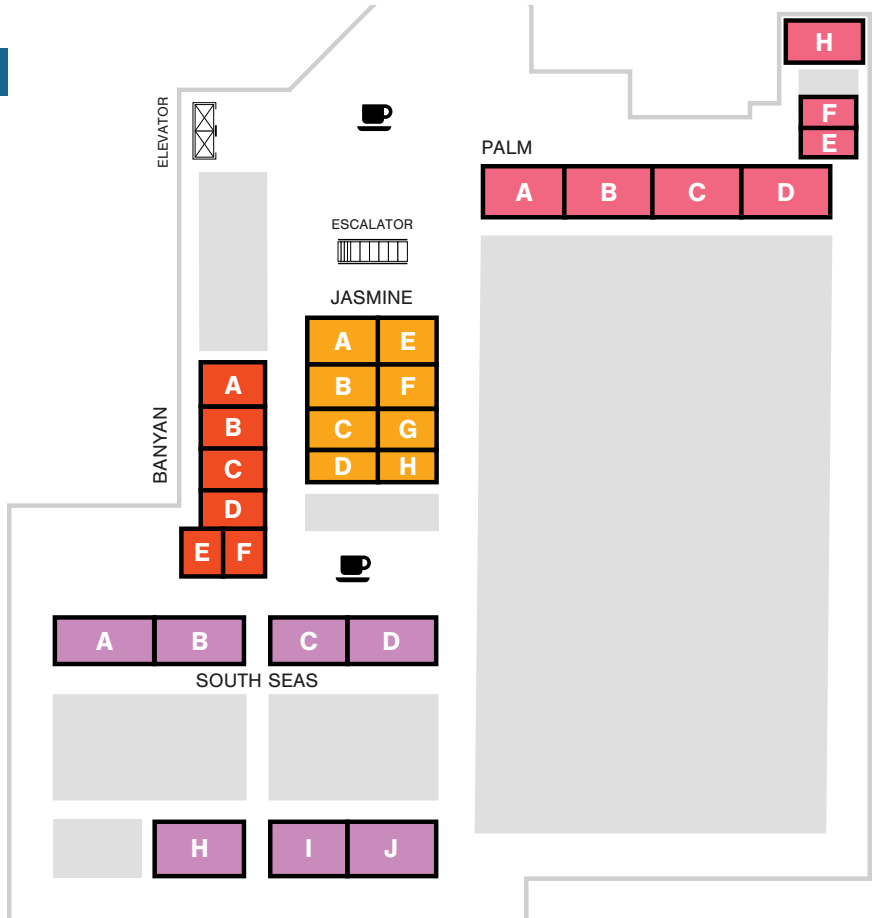
- Breakers**
Rooms A-L
- Lagoon**
Rooms A-L
- Mandalay Bay**
Rooms A-D, I-L
- Oceanside**
Room E-G
- Reef**
Rooms B, C
- Shoreline Hall**
Lunch
- Surf**
Rooms A, D



SOUTH CONVENTION CENTER

Level 3

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



Upcoming Training Events

- Black Hat Fall Trainings 2024**
Virtual
November 18 – 21
- Black Hat Europe 2024**
London, UK
December 9 – 12
- Black Hat Asia 2025**
Singapore
April 1 – 4

For more information, please visit blackhat.com/trainings

Trainings Meals

Trainings Day coffee break (only) locations:

Level 3: Palm Foyer / South Seas Foyer

Level 2: Mandalay Bay Foyer / MB Reef Hallway

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

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

A Trainings pass is required to enter the lunch area.