black hat USA 2015

BRIEFINGS DAY 1 — WEDNESDAY | AUGUST 5

BRIEFINGS DAY 1 — WEDNESDAY | AUGUST 5

ROOM →	Level 2				Level 3				
	Lagoon K	Mandalay Bay BCD	Mandalay Bay EF	Mandalay Bay GH	Jasmine Ballroom	South Seas ABE	South Seas CDF	South Seas GH	South Seas IJ
07:00-19:00	**Registration // Black Hat Blvd**								
08:00-08:50	**Breakfast // Shoreline B** *Sponsored by:* FireEye, Lieberman Software, Qualys, RSA, tenable network security								
08:50-09:00	**Welcome & Introduction to Black Hat USA 2015 // Mandalay Bay Ballroom**								
09:00-10:00	**Keynote Speaker // Jennifer Granick // Mandalay Bay Ballroom**								
10:00-10:20	**Break**								
10:20-11:10	**How to Hack Government: Technologists as Policy Makers** *by Ashkan Soltani + Terrell McSweeny*	**Internet Plumbing for Security Professionals: The State of BGP Security** *by Wim Remes*	**Writing Bad @$$ Malware for OS X** *by Patrick Wardle*	**Android Security State of the Union** *by Adrian Ludwig*	**Server-Side Template Injection: RCE for the Modern Web App** *by James Kettle*	**Bring Back the Honeypots...** *by Haroon Meer + Marco Slaviero*	**Why Security Data Science Matters and How It's Different: Pitfalls and Promises of Data Science Based Breach Detection and Threat Intelligence** *by Joshua Saxe*	**Spread Spectrum Satcom Hacking: Attacking the GlobalStar Simplex Data Service** *by Colby Moore*	**Unicorn: Next Generation CPU Emulator Framework** *by Nguyen Anh Quynh + Hoang-Vu Dang*
11:10-11:30	**Coffee Service // Level 2, 3, Microsoft Business Hall Networking Lounge** *Sponsored by:* FireEye, Lieberman Software, Qualys, RSA, tenable network security								
11:30-12:20	**Breaking HTTPS with BGP Hijacking** *by Artyom Gavrichenkov*	**Attacking Interoperability - An OLE Edition** *by Haifei Li + Bing Sun*	**Defeating Pass-the-Hash: Separation of Powers** *by Seth Moore + Baris Saydag*	**Winning the Online Banking War** *by Sean Park*	**Emanate Like a Boss: Generalized Covert Data Exfiltration with Funtenna** *by Ang Cui*	**Take a Hacker to Work Day - How Federal Prosecutors Use the CFAA** *by Leonard Bailey*	**Why Security Data Science Matters and How It's Different: Pitfalls and Promises of Data Science Based Breach Detection and Threat Intelligence** *by Joshua Saxe*	**The Battle for Free Speech on the Internet** *by Matthew Prince*	**Understanding and Managing Entropy Usage** *by Bruce Potter + Sasha Wood*
12:20-13:50	**Lunch Break**								
13:50-14:40	**Data-Driven Threat Intelligence: Metrics on Indicator Dissemination and Sharing** *by Alexandre Sieira + Alex Pinto*	**Adventures in Femtoland: 350 Yuan for Invaluable Fun** *by Alexey Osipov + Alexander Zaitsev*	**Red vs. Blue: Modern Active Directory Attacks, Detection, and Protection** *by Sean Metcalf*	**GameOver Zeus: Badguys and Backends** *by Elliott Peterson + Michael Sandee + Tillman Werner*	**Exploiting the DRAM Rowhammer Bug to Gain Kernel Privileges** *by Mark Seaborn + Halvar Flake*	**SMBv2: Sharing More than Just Your Files** *by Jonathan Brossard + Hormazd Billimoria*	**Abusing Silent Mitigations - Understanding Weaknesses Within Internet Explorer's Isolated Heap and Memory Protection** *by Brian Gorenc + Abdul-Aziz Hariri + Simon Zuckerbraun*	**The Tactical Application Security Program: Getting Stuff Done** *by Cory Scott + David Cintz*	**These are Not Your Grand Daddy's CPU Performance Counters - CPU Hardware Performance Counters for Security** *by Nishad Herath + Anders Fogh*

LEGEND

- Crypto
- Defense
- Enterprise
- Exploit Development
- Forensics/Incident Response
- Hardware/Embedded
- Human Factors
- Internet of Things
- Malware
- Mobile
- Network
- OS, Host and Container Security
- Panels
- Reverse Engineering
- Risk Management/Compliance
- Security Development Lifecycle
- Smart Grid/Industrial Security
- Virtualization
- Web AppSec

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ROOM →	Level 2				Level 3				
	Lagoon K	Mandalay Bay BCD	Mandalay Bay EF	Mandalay Bay GH	Jasmine Ballroom	South Seas ABE	South Seas CDF	South Seas GH	South Seas IJ
14:40-15:00	**Break**								
15:00-15:50		**WSUSpect - Compromising the Windows Enterprise via Windows Update** *by Paul Stone + Alex Chapman*	**Stagefright: Scary Code in the Heart of Android** *by Joshua Drake*	**Remote Exploitation of an Unaltered Passenger Vehicle** *by Charlie Miller + Chris Valasek*	**Big Game Hunting: The Peculiarities of Nation-State Malware Research** *by Morgan Marquis-Boire + Marion Marschalek + Claudio Guarnieri*	**Targeted Takedowns: Minimizing Collateral Damage Using Passive DNS** *by Paul Vixie*	**Back Doors and Front Doors Breaking the Unbreakable System** *by James Denaro + Matthew Green*	**Switches Get Stitches** *by Colin Cassidy + Robert Lee + Eireann Leverett*	**Distributing the Reconstruction of High-Level Intermediate Representation for Large Scale Malware Analysis** *by Rodrigo Branco + Gabriel Negreira Barbosa + Alexander Matrosov + Eugene Rodionov*	**Stranger Danger! What is the Risk from 3rd Party Libraries?** *by Kymberlee Price + Jake Kouns*
15:50-16:20	**Networking Break // Microsoft Business Hall Networking Lounge // Shoreline A** *Sponsored by:* Bromium, CORE SECURITY, FORTINET, IBM, OPTIV, proofpoint, tripwire, ZEROFOX								
16:20-17:10	**Faux Disk Encryption: Realities of Secure Storage on Mobile Devices** *by Daniel Mayer + Drew Suarez*	**Optimized Fuzzing IOKit in iOS** *by Lei Long + Peng Xiao + Aimin Pan*	**Abusing Windows Management Instrumentation (WMI) to Build a Persistent, Asynchronous, and Fileless Backdoor** *by Matthew Graeber*	**Attacking Hypervisors Using Firmware and Hardware** *by Yuriy Bulygin + Alexander Matrosov + Mikhail Gorobets + Oleksandr Bazhaniuk*	**The Little Pump Gauge that Could: Attacks Against Gas Pump Monitoring Systems** *by Kyle Wilhoit + Stephen Hilt*	**Crash & Pay: How to Own and Clone Contactless Payment Devices** *by Peter Fillmore*	**Securing Your Big Data Environment** *by Ajit Gaddam*	**Panel: Getting It Right: Straight Talk on Threat & Information Sharing** *moderated by Trey Ford*	**Behind the Mask: The Agenda, Tricks, and Tactics of the Federal Trade Commission as they Regulate Cybersecurity** *by Michael Daugherty*
17:10-17:30	**Break**								
17:30-18:00		**Subverting Satellite Receivers for Botnet and Profit** *by Sofiane Talmat*	**Graphic Content Ahead: Towards Automated Scalable Analysis of Graphical Images Embedded in Malware** *by Alex Long*	**Cloning 3G/4G SIM Cards with a PC and an Oscilloscope: Lessons Learned in Physical Security** *by Yu Yu*	**Commercial Mobile Spyware - Detecting the Undetectable** *by Joshua Dalman + Valerie Hantke*	**The Node.js Highway: Attacks are at Full Throttle** *by Maty Siman + Amit Ashbel*	**How Vulnerable are We to Scams?** *by Markus Jakobsson*	**Attacking ECMAScript Engines with Redefinition** *by Natalie Silvanovich*	**Mobile Point of Scam: Attacking the Square Reader** *by Alexandrea Mellen + John Moore*	**THIS IS DeepERENT: Tracking App Behaviors with (Nothing Changed) Phone for Evasive Android Malware** *by Yeongung Park + Jun Young Choi*
17:30-19:00	**Business Hall Reception // Shoreline A** *Sponsored by:* ALIEN VAULT, CISCO, DIGITAL GUARDIAN, FIDELIS CYBERSECURITY, FireEye, Enterprise Security, LIEBERMAN SOFTWARE, LOCKHEED MARTIN, LogRhythm, paloalto NETWORKS, QUALYS, Raytheon | websense, RSA, tenable network security, WEBROOT								
18:30-19:30	**Pwnie Awards // Mandalay Bay D**								

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BRIEFINGS DAY 2 — THURSDAY | AUGUST 6

BRIEFINGS DAY 2 — THURSDAY | AUGUST 6

ROOM →	Level 2				Level 3				
	Lagoon K	Mandalay Bay BCD	Mandalay Bay EF	Mandalay Bay GH	Jasmine Ballroom	South Seas ABE	South Seas CDF	South Seas GH	South Seas IJ
08:00-08:50	**Breakfast // Shoreline B** *Sponsored by:* FireEye, Lieberman Software, Qualys, RSA, tenable network security								
08:30-17:00	**Registration // Black Hat Blvd**								
09:00-09:25	**CrackLord: Maximizing Password Cracking Boxes** *by Lucas Morris + Michael McAtee*	**Remote Physical Damage 101 - Bread and Butter Attacks** *by Jason Larsen*	**Attacking Your Trusted Core: Exploiting Trustzone on Android** *by Di Shen*	**TrustKit: Code Injection on iOS 8 for the Greater Good** *by Alban Diquet + Eric Castro + Angela On-kit Chow*	**The Applications of Deep Learning on Traffic Identification** *by Zhanyi Wang + Chuanming Huang*	**ROPInjector: Using Return Oriented Programming for Polymorphism and Antivirus Evasion** *by Christos Xenakis*	**My Bro the ELK: Obtaining Context from Security Events** *by Travis Smith*	**Exploiting XXE Vulnerabilities in File Parsing Functionality** *by Willis Vandevanter*	**Taxonomic Modeling of Security Threats in Software Defined Networking** *by Jennia Hizver*
09:25-09:45	**Break**								
09:45-10:35	**Web Timing Attacks Made Practical** *by Timothy Morgan + Jason Morgan*	**Repurposing OnionDuke: A Single Case Study Around Reusing Nation State Malware** *by Joshua Pitts*	**The NSA Playset: A Year of Toys and Tools** *by Michael Ossmann*	**The Memory Sinkhole - Unleashing an x86 Design Flaw Allowing Universal Privilege Escalation** *by Christopher Domas*	**Battle of the SKM and IUM: How Windows 10 Rewrites OS Architecture** *by Alex Ionescu*	**Bringing A Cannon to a Knife Fight** *by Adam Kozy + Johannes Gilger*	**Certifi-gate: Front-Door Access to Pwning Millions of Androids** *by Ohad Bobrov + Avi Bashan*	**Bypass Surgery Abusing Content Delivery Networks with Server-Side-Request Forgery (SSRF), Flash, and DNS** *by Mike Brooks + Matthew Bryant*	**The Kali Linux Dojo Workshop #1: Rolling Your Own - Generating Custom Kali Linux 2.0 ISOs** *by Mati Aharoni*
10:35-11:00	**Coffee Service // Level 2, 3, Microsoft Business Hall Networking Lounge** *Sponsored by:* FireEye, Lieberman Software, Qualys, RSA, tenable network security								
11:00-11:50	**Breaking Access Controls with BLEKey** *by Eric Evenchick + Mark Baseggio*	**Panel: How the Wassenaar Arrangement's Export Control of "Intrusion Software" Affects the Security Industry** *moderated by Kim Zetter*	**Defeating Machine Learning: What Your Security Vendor is Not Telling You** *by Bob Klein + Ryan Peters*	**Ah! Universal Android Rooting is Back** *by Wen Xu*	**Taking Event Correlation with You** *by Rob King*	**How to Implement IT Security After a Cyber Meltdown** *by Christina Kubecka*	**Return to Where? You Can't Exploit What You Can't Find** *by Christopher Liebchen + Ahmad-Reza Sadeghi + Andrei Homescu + Stephen Crane*	**Staying Persistent in Software Defined Networks** *by Gregory Pickett*	**The Kali Linux Dojo Workshop #2: Kali USB Setups with Persistent Stores and LUKS Nuke Support** *by Mati Aharoni*
11:50-12:10	**Break**								
12:10-13:00	**Forging the USB Armory, an Open Source Secure Flash-Drive-Sized Computer** *by Andrea Barisani + Daniele Bianco*	**Information Access and Information Sharing: Where We are and Where We are Going** *by Alejandro Mayorkas*	**From False Positives to Actionable Analysis: Behavioral Intrusion Detection, Machine Learning, and the SOC** *by Joseph Zadeh*	**Fingerprints on Mobile Devices: Abusing and Leaking** *by Yulong Zhang + Tao Wei*	**Internet-Facing PLCs - A New Back Orifice** *by Johannes Klick + Stephan Lau*	**ZigBee Exploited the Good, the Bad, and the Ugly** *by Tobias Zillner + Sebastian Strobl*	**Bypass Control Flow Guard Comprehensively** *by Yunhai Zhang*	**Breaking Honeypot for Fun and Profit** *by Dean Sysman + Gadi Evron + Itamar Sher*	**BGP Stream** *by Dan Hubbard + Andree Toon*

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BRIEFINGS DAY 2 — THURSDAY | AUGUST 6

ROOM →	Level 2				Level 3				
	Lagoon K	Mandalay Bay BCD	Mandalay Bay EF	Mandalay Bay GH	Jasmine Ballroom	South Seas ABE	South Seas CDF	South Seas GH	South Seas IJ
13:00-14:30	**Lunch Break**								
14:30-15:20	**When IoT Attacks: Hacking a Linux-Powered Rifle** *by Runa A. Sandvik + Michael Auger*	**Is the NSA Still Listening to Your Phone Calls? A Surveillance Debate: Congressional Success or Epic Fail** *by Mark Jaycox + Jamil Jaffer*	**Automated Human Vulnerability Scanning with AVA** *by Laura Bell*	**Pen Testing a City** *by Greg Conti + Tom Cross + David Raymond*	**Internet-Scale File Analysis** *by Zachary Hanif + Tamas Lengyel + George Webster*	**Broadcasting Your Attack: Security Testing DAB Radio in Cars** *by Andy Davis*	**Assessing and Exploiting BigNum Vulnerabilities** *by Ralf-Philipp Weinmann*	**Understanding the Attack Surface and Attack Resilience of Project Spartan's New EdgeHTML Rendering Engine** *by Mark Vincent Yason*	**Review and Exploit Neglected Attack Surfaces in iOS 8** *by Tielei Wang + Hao Xu + Xiaobo Chen*
15:20-15:50	**Ice Cream Social // Microsoft Business Hall Networking Lounge // Shoreline A** *Sponsored by:* AlienVault, Cisco, Digital Guardian, FIDELIS Cybersecurity, HP Enterprise Security, Lockheed Martin, LogRhythm, paloalto Networks, Raytheon | websense, WEBROOT Smarter Cybersecurity								
15:50-16:40	**Abusing XSLT for Practical Attacks** *by Fernando Arnaboldi*	**Rocking the Pocket Book: Hacking Chemical Plant for Competition and Extortion** *by Marina Krotofil*	**Advanced IC Reverse Engineering Techniques: In Depth Analysis of A Modern Smart Card** *by Olivier Thomas*	**Social Engineering the Windows Kernel: Finding and Exploiting Token Handling Vulnerabilities** *by James Forshaw*	**ThunderStrike 2: Sith Strike** *by Xeno Kovah + Corey Kallenberg + Trammell Hudson*	**Deep Learning on Disassembly** *by Matt Wolff + Andrew Davis*	**HI THIS IS URGENT PLZ FIX ASAP: Critical Vulnerabilities and Bug Bounty Programs** *by Kymberlee Price*	**Using Static Binary Analysis to Find Vulnerabilities and Backdoors in Firmware** *by Christopher Kruegel + Yan Shoshitaishvili*	**Breaking Payloads with Runtime Code Stripping and Image Freezing** *by Collin Mulliner + Matthias Neugschwandtner*
16:40-17:00	**Break**								
17:00-18:00	**Fuzzing Android System Services by Binder Call to Escalate Privilege** *by Guang Gong*	**Harnessing Intelligence from Malware Repositories** *by Arun Lakhotia + Vivek Notani*	**Most Ransomware Isn't as Complex as You Might Think** *by Engin Kirda*	**FileCry - The New Age of XXE** *by Xiaoran Wang + Sergey Gorbaty*	**Dom Flow - Untangling the DOM for More Easy-Juicy Bugs** *by Ahamed Nafeez*	**Exploiting Out-of-Order Execution for Covert Cross-VM Communication** *by Sophia D'Antoine*	**Hidden Risks of Biometric Identifiers and How to Avoid Them** *by Thomas Keenan*	**API Deobfuscator: Resolving Obfuscated API Functions in Modern Packers** *by Seokwoo Choi*	**Dance Like Nobody's Watching, Encrypt Like Everyone Is: A Peek Inside the Black Hat Network** *by Neil Wyler + Bart Stump*

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STAY CONNECTED

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LEGEND

- Crypto
- Defense
- Enterprise
- Exploit Development
- Forensics/Incident Response
- Hardware/Embedded
- Human Factors
- Internet of Things
- Malware
- Mobile
- Network
- OS, Host and Container Security
- Panels
- Reverse Engineering
- Risk Management/Compliance
- Security Development Lifecycle
- Smart Grid/Industrial Security
- Virtualization
- Web AppSec

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ARSENAL DAY 1 — WEDNESDAY | AUGUST 5

STATION →	Breakers DEJK 1	2	3	4	5	6	7	8	9	10	← STATION
08:00-08:50	**Breakfast // Shoreline B** *Sponsored by: FireEye, Lieberman Software, Qualys, RSA, tenable network security*										08:00-08:50
08:50-09:00	**Welcome & Introduction to Black Hat USA 2015 // Mandalay Bay Ballroom**										
09:00-10:00	**Keynote Speaker // Jennifer Granick // Mandalay Bay Ballroom**										09:00-10:00
10:00-12:30	**Osxcollector** *by Ivan Leichtling*	**Damn Vulnerable iOS App (DVIA)** *by Prateek Gianchandani*	**Bearded** *by Viacheslav Bakhmutov*	**Sphinx** *by Takehiro Takahashi*	**Nsearch** *by Juan Jacobo Tibaquirá*	**MITMf** *by Marcello Salvati*	**Triforce** *by David Cowen*	**FindSecurityBugs** *by Philippe Arteau*	**QARK - Android Application SCA and Exploit Tool** *by Tony Trummer + Tushar Dalvi*	**SERPICO** *by Willis Vandevanter + Peter Arzamendi*	10:00-12:30
12:30-12:45	**Break**										12:30-12:45
12:45-15:15	**Nishang - The Black Hat Version** *by Nikhil Mittal*	**Sqlchop** *by Yusen Chen*	**Rudra - The Destroyer of Evil** *by Ankur Tyagi*	**OWASP Distributed Web Honeypots Project** *by Ryan Barnett*	**CTF Tools** *by Yan Shoshitaishvili*	**Exploit Pack** *by Juan Sacco*	**Dradis Framework 3.0** *by Daniel Martin*	**Breachego** *by Christian Heinrich*	**Intrigue** *by Jonathan Cran*	**ElastAlert** *by Quentin Long*	12:45-15:15
15:15-15:30	**Break**										15:15-15:30
15:30-18:00	**WireEdit** *by Michael Sukhar*	**peepdf** *by Jose Miguel Esparza*	**CapTipper** *by Omri Herscovici*	**Openioc_Scan** *by Takahiro Haruyama*	**The Volatility Framework** *by Michael Ligh*	**Burp-hash** *by Scott Johnson + Tim MalcomVetter + Matt South*	**SAMLyze** *by Jon Barber*	**PixelCAPTCHA - A Unicode Based CAPTCHA Scheme** *by Gursev Singh Kalra*	**CuckooDroid - An Automated Malware Analysis Framework** *by Idan Revivo + Ofer Caspi*	**Seclists** *by Jason Haddix + Daniel Miessler*	15:30-18:00

ARSENAL DAY 2 — THURSDAY | AUGUST 6

STATION →	Breakers DEJK 1	2	3	4	5	6	7	8	9	10	← STATION
08:00-08:50	**Breakfast // Shoreline B** *Sponsored by: FireEye, Lieberman Software, Qualys, RSA, tenable network security*										08:00-08:50
10:00-12:30	**Reissue Request Scripter (Burp Plugin)** *by Philippe Arteau*	**SimpleRisk** *by Josh Sokol*	**WATOBO - The WebApplication ToolBox** *by Andreas Schmidt*	**ChipWhisperer** *by Colin O'Flynn*	**SpeedPhishing Framework (SPF)** *by Adam Compton*	**D1c0m-X** *by Michael Hudson*	**OWASP Broken Web Applications VM v1.2** *by Chuck Willis*	**ShinoBOT** *by Shota Shinogi*	**Mana** *by Dominic White*	**Pestudio** *by Marc Ochsenmeier*	10:00-12:30
12:30-12:45	**Break**										12:30-12:45
12:45-15:15	**TARDIS** *by Travis Smith*	**Backdoor Factory (BDF) and BDFProxy** *by Joshua Pitts*	**Digital Disease Tracking Tool** *by Efrain Ortiz*	**UTIP - Unstructured Threat Intelligence Processing** *by Elvis Hovor*	**Preeny** *by Yan Shoshitaishvili*	**Linux-Inject** *by Tyler Colgan*	**OWASP Dependency-Check** *by Jeremy Long*	**Active Directory Backdoors: Myth or Reality BTA: Open-Source Tool for AD Analysis** *by Joffrey Czarny*	**Noriben** *by Brian Baskin*		12:45-15:15
15:15-15:30	**Break**										15:15-15:30
15:30-18:00	**Chellam** *by Vivek Ramachandran*	**Lynis** *by Michael Boelen*	**Objective-See's OS X Security Tools** *by Patrick Wardle*	**Kautilya** *by Nikhil Mittal*	**Faraday** *by Federico Kirschbaum*	**ThreadFix** *by Dan Cornell*	**HEYBE - Pentest Automation Toolkit** *by Bahtiyar Bircan + Gokhan Alkan*	**CuckooSploit** *by David Oren*	**YARD Stick One** *by Michael Ossmann + Taylor Streetman*		15:30-18:00
16:00-18:00	**Arsenal Happy Hour**										16:00-18:00

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SPONSORED SESSIONS DAY 1 — WEDNESDAY | AUGUST 5

ROOM →	Business Hall - Theater A		Business Hall - Theater B	
	Session Name	Sponsor	Session Name	Sponsor
10:20-11:05	Next-Gen Vulnerability Management and Compliance with Cloud Agents	QUALYS	Security in Focus	paloalto NETWORKS
11:30-12:15	Malware Prospecting: Separating the Advanced from the Annoying	CISCO	Tactical Diversion-Driven Defense	LogRhythm
12:40-13:25	Fear of the Dark: The Life of a Tier 3 Analyst	RSA	Zero-Day Inferno: Aggressive, Automated Privileged Identity Management for Cyber Defense	LIEBERMAN SOFTWARE
13:50-14:35	Two Steps Forward, One Back: Security Research and the Law	Enterprise Security	Can DLP Thwart Malware Attacks?	DIGITAL GUARDIAN
15:00-15:45	Wild Wild Web Experience	f5	Tailored Attacks Require Tailored Defenses: Improving Your Incident Response Strategy Through Advanced Threat Hunting	Bit9 + CARBON BLACK ARM YOUR ENDPOINTS.
16:10-16:55	Man in the Cloud Attacks	IMPERVA	Beyond Detection – Using Adaptive Security to Discover Threats in a Dynamic Environment	ThreatTrack

SPONSORED SESSIONS DAY 2 — THURSDAY | AUGUST 6

ROOM →	Business Hall - Theater A		Business Hall - Theater B	
	Session Name	Sponsor	Session Name	Sponsor
11:00-11:45	Utilizing Contextual Awareness to Combat Cyber Threats	Raytheon | websense	Principles of the Application of Threat Intelligence	FIDELIS CYBERSECURITY
12:10-12:55	Open-Source IDS Laika BOSS: Protecting Your Enterprise from Malicious Files	LOCKHEED MARTIN	Understanding Threats Using Machine Learning and Contextual Analytics	WEBROOT Smarter Cybersecurity
13:20-14:05	Security Operations: Moving to a Narrative-Driven Model	FireEye SECURITY REIMAGINED	Security Assurance and Tenable's Five Cyber Security Controls	tenable network security
14:30-15:15	The Cyber Supply Line: A Geospatial Approach to Cybersecurity	esri	Can Your IaaS Workloads Take A Punch?	CloudPassage
15:40-16:25	The Privileged Aspect of Kerberos Attacks	CYBERARK		

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SPONSORED WORKSHOPS DAY 1 — WEDNESDAY | AUGUST 5

ROOM →	Mandalay Bay J		Mandalay Bay K		Mandalay Bay L	
	Session Name	Sponsor	Session Name	Sponsor	Session Name	Sponsor
10:20-11:10	Typography of a Cyber Attack	BAE SYSTEMS INSPIRED WORK	DNS Arms Race: Many Roles DNS Plays in Security Battles	neustar	Exploiting IT Analytics to Create a 'Human Layer' Security Initiative	FIREMON
11:10-11:30	Break					
11:30-12:20	Typography of a Cyber Attack	BAE SYSTEMS INSPIRED WORK	Turf War: Using Geo-Intelligence to Thwart Cyber Threats	neustar	Exploiting IT Analytics to Create a 'Human Layer' Security Initiative	FIREMON
12:20-13:50	Lunch					
13:50-14:40	Kaizen Capture the Flag	Booz | Allen | Hamilton strategy and technology consultants	How Poorly Obfuscated MobileApp Code Leads to Vulnerable IoT Devices	whiteCryption	Exploiting IT Analytics to Create a 'Human Layer' Security Initiative	FIREMON
14:40-15:00	Break					
15:00-15:50	Kaizen Capture the Flag	Booz | Allen | Hamilton strategy and technology consultants	How Poorly Obfuscated MobileApp Code Leads to Vulnerable IoT Devices	whiteCryption	Exploiting IT Analytics to Create a 'Human Layer' Security Initiative	FIREMON

SPONSORED WORKSHOPS DAY 2 — THURSDAY | AUGUST 6

ROOM →	Mandalay Bay J		Mandalay Bay K		Mandalay Bay L	
	Session Name	Sponsor	Session Name	Sponsor	Session Name	Sponsor
11:00-11:50	A Cyber Professional's Guide to Deception Technologies	TRAPX SECURITY	Endpoints, Threat Feeds, FPs and You	ziften	Overcoming Chaos and Disruption: A New World Order in Security	
11:50-12:10	Break					
12:10-13:00	A Cyber Professional's Guide to Deception Technologies	TRAPX SECURITY	Endpoints, Threat Feeds, FPs and You	ziften	Overcoming Chaos and Disruption: A New World Order in Security	
13:00-14:30	Lunch					
14:30-15:20	The Information Security Landscape: What Security Pros REALLY Worry About	DARKReading In partnership with: VERACODE				
15:20-15:40	Break					
15:40-16:30	How to Find a Better Job in IT Security	DARKReading In partnership with: accenture				