in the 21st century. There are a number of component courses available for various lines in the 21st century. There are a number of component courses available for various lines in the realm of CND; however, there are very few options for a CND crash-course amp that covers topics relevant to the overarching mission of defending the home rk. Many courses teach the fundamentals of incident response utilities, malware is, and reverse engineering. In practice, we find many "detection" tools have limited is rates and can be quite misleading—from basic antivirus to highly specialized memory poking analysis tools.

nual unpacking and training, students will t esent technical findinos unnet.

protocols. armed with ting

ination of lecture and hands-curity of a custom-designed s, explore basic electronics, ive into tips and techniques A more defailed course

binary software components arises in more and more contexts analysis of malicious software such as viruses, worms, Trojans ers in order to develop open source drivers for alternate e software for security flaws, and source code recovery in uch an analysis is generally the acquisition of a high quality rent. IDA Pro is touted as the premier disassembler available sembling machine languages for a large number of lers and is particularly strong when used on Windows and l cover essential background material for effective reverse

r of effective detection, response, and remediation by introducing their Incident s. This two-day Special Edition class has been specifically designed for ity professionals and analysts who respond to computer security incidents. It is preational course, using case studies and hands-on lab exercises to ensure not a specifically and lab.

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lab core to bring

Identifications of these often surprising and elegant attacks, it is summarized to be a support of the second depth. (pto properly. In this one-day intensive course, we will focus on the RSA cryptosystem in great depth. In this one-day intensive course, we will focus on the RSA cryptosystem works and the indigorithmic issues that arise when implementing it. In addition, we will study attacks on ain algorithmic issues that arise when implementing it. In addition, we will study attacks on A with a focus on the lessons learned from these attacks. We conclude with a session on A with a focus on the lessons learned from these attacks. We conclude with a session of loosing key-lengths for RSA-based cryptosystems, based on a comprehensive understanding of

AP Security In-Depth Viariano Nuñez Di Croce & Juan Pablo Perez Etchegoyen we you ever wondered whether your business-critical SAP implementation was secure? Do you ow how to check it? Have you imagined which could be the impact of an attack to your core siness platform? Do you know how to prevent it? This training is the answer to these estions. For many years, SAP security has been a synonym of "segregation of duties" or "securing es and profiles". While this kind of security is mandatory and of absolute importance, there a many threats that have been so far overlooked and are even more dangerous, such as the ssibility of taking remote control of the entire SAP landscape without having any user in any

n Will nelp you grasp practical SAP implementation and then blearn how to use different netration Testing framework,

ploit at it with its default shellcode. Yo it you don't get a shell. So what lied to connect back to you with the write your own shellcode to bypass

st hacking techniques rse concludes with a catch-the-flag contes.... ries of challenging scenarios, with prizes for winners. Attendees with core web technologies like HTTP and JavaScript. c resource for this course is the book "The Web Application Hacker's Handbook: c resource for this course is the book "The Web Application Hacker's Handbook: and Exploiting Security Flaws" by Dafydd Stuttard and Marcus Pinto. The book is and Exploiting Security Flaws" by Dafydd Stuttard and Marcus Pinto. The book is r purchase from Amazon.com and provides pertinent and relevant information

opics such as user authentication, browser security, ibured threats. For every area presented we cover ts, and security tools and techniques. Throughout the ch results with practical skill development. nodern web application security to IT professionals web technologies (e.g. HTML, CSS, JavaScript), and to sary to evaluate and navigate this complex landscape

ng attacks, defense mecnans we balance cutting-edge rese goal of the course is to teach ze some prior understanding decision-makers the tools nec







Six days. Fifty-six classes. Ninety presentations. Black Hat Briefings & Training USA 2011 July 30-August 4 // Caesars Palace // Las Vegas

EMBEDDING SECURITY

Incare course is specifically designed to consolidate all SSM and System Certifier vledge requirements into a single, comprehensive curriculum. This course provides four of intense, highly concentrated, non-technical professional training necessary to achieve n-depth knowledge, skills, and abilities needed to enforce Information Assurance (IA) rements, apply Information System Security (INFOSEC) methodologies and facilitate ication and accreditation (C&A) activities. Additionally, this course addresses professional unctional requirements necessary for System Managers and System Certifiers to identify fic assurance levels and evaluate risk impact thresholds in meeting applicable security ies, standards and requirements to ensure that accrediting authorities have the mation necessary to make an objective accreditation determination based on an ytable level of risk. Somation Assurance Associates (IA2) - a fully certified Committee on National System Security (CNSS)-4016 Risk Analyst course rovides four days of intense, highly concentrated, non-technical professional training sary to achieve the fundamental knowledge, skills and abilities needed to analyze, assess, determine, mitigate and manage risk within a federal management and acquisition work or within federal interest computer systems that store, process, display or transmit fied or sensitive information (eg. Personally Identifiable Information (PII), Electronically cted Health Information (ePHI)/Individually Identifiable Health Information (IHII), etc). al systems in use in the world today, and while they generally ble for the smooth running of our daily routines—from the 1 the morning, to turning off the lights at night. This two-day 1, into the world of securing industrial control, and automation e numerous industries where they are most prolific. in the latest Samurar-WTF open source work on a co-m web application penetration tests. After a quick , the instructors will lead you through the penetration cations, including client side attacks using flaws within issurce tools will be used on each web application, ros and cons of each tool. After you have gained its you will be challenged with a capture the flag event. to practice your new skills at your own pace and ols. This experience will help you gain the confidence web application assessments and expose you to the

lition is an introductory course for technical people with no previous experience in the hacking. The course will present you with background information, technical skills and scepts required to get you going. This includes some coding and scripting, networking rnet technologies, basic methodologies, essential thinking skills, tools and current techniques. The course has been updated to accommodate the latest technologies and techniques the ideal training ground to prepare you for the HBN Bootcamp, further self at Edition is the ideal training ground to prepare you for the HBN Bootcamp.

through the full compromise of a company's IT s, but especially the thinking, strategies and the "Hacking By Numbers—Bootcamp Edition" will to the methods and thinking of hackers.

inal course in the HBN series before being ar skills in real scenarios before being shippe tology and Combat focuses on thinking, a your skills on data exfiltration, privilege a little exploit writing. You'll also focus on a little exploit writing. You'll also focus on systems. The course is instructor-lead, with systems. The course is instructor-lead, with

bat Edition is our premier hacker training course. From the first hour, to the final minutes ents are placed in different offensive scenarios as they race the clock to breach systems. g experienced gained from thousands of assessments over the years, we have created ens of real-life lab exercises who's solutions lie much more in the technique and an out-of-thought process than in the use of scripts or tools. Each exercise is designed to teach a diffic lesson and will be discussed in detail after they are completed; however there are no lab et or lectures as this course is non-stop hacking. In this way you learn from talented ePost instructors, your colleagues and your own successes and failures.

y course. With a strong Fi hacking and then tools and thinking skills

Numbers—W/3 Edition is an intermediate web approximation management of provide a refresher of HTTP and associated technologies before commencing more advanced level attacks ranging from assessment techniques of traditional web is to newer technologies—such as AJAX, rich client media and HTML 5. In all courses in the Hacking by Numbers range, the W/3 course is a hands-on, highly anyse which intends to enable students to understand the trade and not the trick.

we access to an intrastructure with a be encouraged to identifylexploit/pa y will provide software developers e understanding of thorough auditin ng of how to break the unbreakable i

, in BlackHat Trainings. "Pentesting with BackTrack" is designed for network strators and security professionals who need to get acquainted with the world of ve Security. The course introduces the latest hacking tools and techniques using the world ned BackTrack 5. BackTrack 5. BackTrack 5. We approach, and seasoned team of Security Professionals will help you take your skills a few arther. "Common" hacking techniques are revisited from a professional and practical ch for a better and more efficient pentest. The course is heavily laced with the "do it f" approach, and will expose you to the raw underlying mechanisms of the various attack

aximize each students lea e time with each student. You ready to Tey Harder?

as well as to improve existing tools and build new tools are needed. to streamline much of the tedious aspects of pentesting. We will use puickly and effectively. The goal of the course is to help everyone to sks they are performing manually, so that they can focus on more sks they are performing manually, so that they can focus on more y to automate tasks is critical to being a successful penetration tester. time on the most complex issues that cannot be tested through the use

se is geared specifically towards individuals who already have a solid foundation is in the field of physical penetration. Those with an established understanding of s of locks and the basic ways in which they can be compromised (lockpicking, bypassing, decoding, bumping, etc) can learn highly advanced and specialized in this course. Topics that cannot be covered in a simple introduction will be ated and perfected over two full days of in-depth instruction. Impressioning fully-rg keys for unknown locks, manipulating the dials of safes, and advanced lockpicd

eal World See Beak Security Bly! This is the coursi Irity: Attack, Defend, ting skills, but provic ting skills, but provic ther you work in inc ther you work in inc ther you work in the and learn BOTH sid and learn BOTH sid "Real World Security pro

e rorced to do your "job" under the restrictions of your you a specific goal that you need to achieve by the end of ormation about the target, and your own company, as you ases, you may be lucky enough to find new tools to add ch scenario.

n" security training. Designed to arm security timate Hacking: Black Hat Edition is an action-atest methodologies, tools, and techniques ed environment. This special "Black Hat" edition class that is taught to the general public, the ndstone has taken the best content from lerated version for Black Hat. sf from a "zero-knowledge" perspective. Start antify and exploit well-known and obscure

rs bring unique challenges to those tasked with their defense. How cat your wireless infrastructure can withstand the latest attacks by the ckers? Do vendors' claims tell the whole story? Where is your Achilles thorized wireless infrastructure you know exists in your organization, iless networks that aren't supposed to be there? Do you know when an sulting company tucked away in a forgotten conference room plugs in point?

r internal network. Hands On" series goes see them. Learn the tools, evelop an effective defense power and you do not wan

the author of Burp, you're in luc , and we know what you want. opportunities to watch instruct cises. spanning .Net. J2EE. PHP a

updated wit ntals of web Rails, Flex

Assessing and Exploiting Web Applications with Samurai-WTF //Justin Searle & Kevin Johnson Compate the official Communi-WTE training Course given by the two foundary and lead	challenge and bring the most out of you. The case studies covered include vulnerabilities discovered by our research team, or exploits written by us. Application Security: For Hackers and Developers <i>I/Jared DeMott</i> There are four technical skills required by security researchers, software quality assurance engineering, and exploitation. All these skills and more are covered. C/C++ code has been plagued by security errors resulting from memory corruption for a long time. Problematic code is discussed and searched for in lectures and labs. Web auditing is covered using WebGoat. Fuzzing is a topic book author DeMott knows about well. Mutation file fuzzing and framework definition construction (Sulley and Peach) are just some of the lecture and lab topics. When it comes to reversing C/C++ (Java and others are briefly discussed) IDA pro is the tool of choice. Deep usage of this tool is covered in lecture and lab. Exploitation discussions and labs are the exciting final component. You'll enjoy exploiting BSD local programs to Vista browsers using the latest techniques in Reverse Engineering, Source Code Auditing, Fuzzing and Exploitation Students will walk out of this class knowing how to find and exploit bugs in software. This is useful to both developers and hackers. The exploit component will teach each common bug type including: stack overflows, function pointer overwrites, heap overflows, off-by-ones, F3Es, return to libc, integer errors, uninitialized variable attacks, heap spraying, and more. Shellcode creation/pitfalls and other tips and tricks will all be rolled into the exciting, final component.	Advanced Windows Exploitation Techniques //Offensive Security An in depth, hardcore drilldown into advanced Windows Vulnerability Exploitation techniques from Offensive Security. The course covers topics such as Egghunters, NX bypassing Techniques, Function Pointer Overwrites, Heap Spraying, Venetian Shellcode Encoding, Windows Kernel Exploitation and custom shellcode creation.	Advanced Vulnerability Scanning Techniques Using Nessus //Paul Asadoorian, Tenable Network Security This course teaches advanced scanning techniques by using a real-world scenario to demonstrate how these techniques help to solve problems in an example work environment. In this course you (or you and your team) will take on the role of a brand new security engineer for a financial company. You will be tasked with configuring and auditing a system to be used within your network environment. The system, and associated applications, makes up the environment used to manage the business. Currently, the old systems are in place and an upgrade is planned. The current vulnerability scanning process takes over a week to complete and there is duplication of effort and a known false positive rate. Additionally, breaches have occurred on the network and your company is in jeopardy of being fined due to compliance violations. The vulnerability management process is missing vulnerabilities that were exploited by attackers. A sample system has been provided for you, that exactly mirrors what will be used in production, right down to the passwords and configuration.	anti-disassembling techniques. Advanced Memory Forensics in Incident Response //Jamie Butter & Peter Silberman Though many people in the security industry do forensics, very few do memory forensics. As an industry, we have overlooked some of the most important data in an investigation. Attackers know this. Forensic analysts can no longer rely on getting all of the information they need from the hard drive. Since there are many examples of malware that never touch the disk, drive analysis may lead to one conclusion, while memory analysis can lead to quite another. Drive analysis also takes significantly more time than memory analysis. In performing Windows memory analysis, Students will also be taught the concepts necessary to extend these tools or build new ones where the existing toolset does not meet all the needs of a particular incident.	//Jason Geffner & Scott Lambert Security researchers are facing a growing problem in the complexity of malicious executables. With an ever-increasing number of tools that malware authors use to compress and obfuscate executables, and the pressing urgency that analysts often face, it is vital for analysts to know the best methods to remove protections that they have never seen before. Unpacking is the process of removing the compression and obfuscation applied by a "packer" (or "protector") to a compiled and linked binary. This class will focus on teaching attendees the steps required to effectively deal with both known and previously unknown packing techniques. This is a hands-on course. Attendees will work on real-world malware through a series of lab exercises designed to build their expertise in thwarting anti-debugging and	//MANDIANT Many malware authors take deliberate steps to thwart the reverse engineering of their tools. Students will learn to combat sophisticated malware head-on by studying its anti-analysis techniques. This course focuses on advanced topic areas related to combating malware defense mechanisms, and as such, a practiced and robust malware analysis skill set is required. Before learning specific malware anti-analysis techniques, students will arm themselves with critical skills by learning to script IDA Pro and various debuggers to overcome challenging or repetitive tasks. Students will learn detailed information about defeating packed and armored executable and be challenged to defeat several difficult specimens throughout the course. Malware stealth techniques such as process injection and analysis of such techniques. Hands on exercises, labs, and instruction are all incorporated into the course. Advanced Malware Deobfuscation
The Exploit Laboratory: Black Belt Edition //Saumil Udayan Shah & S.K. Chong The "Exploit Laboratory" left off. This class is for those curious to dig deeper into the art and craft "Exploit Laboratory" left off. This class is for those curious to dig deeper into the art and craft "Exploit Laboratory" left off. This class is for those curious to dig deeper into the art and craft	 Have you ever found yourself staring at a vulnerability advisory with some proof-of-concept snippets and wished the author had rather attached a working exploit with it? Have you wishe you could analyze vulnerabilities and write your own exploits for them? Have you wanted to debug and exploit custom built applications and binaries? The "Exploit Laboratory", now in its fifth year, is an intense hands-on class for those wishing to dive into vulnerability analysis and exploit writing. The "Exploit Laboratory" starts off with a back: insight into system architecture process execution, operating systems and error conditions. The class then quickly accelerates to analyzing vulnerabilities with debuggers, reproducing reliable error conditions and products as candidates for vulnerability analysis and exploitation, rather than building up on carefully simulated lab exercises. Most of the class time is spent working on lab exercises and examples Lab examples and exercises used in this class cover both the Unix (Linux) and Microsoft Windows platforms, illustrating various error conditions such as stack overflows, heap overflow and memory overwrites. The latter part of the class focuses on topics such as browser exploitation, PDF exploitation and Mac OS X exploitation. All this is delivered in a down-to-ear learn-by-example methodology, by trainers who have been teaching advanced topics in computer security for over 10 years. This class is updated from the 2009 edition, featuring revised content on heap overflows, abusing exception handlers and more hands-on examples based on recent vulnerabilities. This class does NOT require knowledge of assembly language. A few concepts and a sharp mind is you need. 	 And, perhaps most importantly, how do you get the business to support all of your effor and keep that support for ongoing and future initiatives? This course aims to answer these questions and many more by providing a practical, step-by-st approach to securing an entire organization. The Exploit Laboratory: Analyzing Vulnerabilities and Writing Exploits 	 Security Program //Chris Conacher It is day 1. You are charged with securing your company. You have limited resources, manageme that wants to see progress and a very complex problem to solve. Just where do you begin? Whether you are starting from scratch, working within an existing framework, or investigating what an Information Security program could mean for your company, creating a comprehensiv Information Security program can be a daunting task. How do you breazk down an organization into meaningful, and manageable, pieces? Where do you concentrate your efforts and limited resources? How do you develop audits that are relevant and provide meaningful information? Which of the thousands of policies, guidelines, procedures, standards and controls do yo actually need and how do you get the employees to accept and follow them? How do you decide which countermeasures are actually relevant to your needs and how do you ensure that they mesh together? How do you sure that they mesh together? How do you anange everything once it is implemented? 	Effective Fuzzing: Using the Peach Fuzzing Platform //Michael Eddington, Deja Vu Security The entirety of the course is student centric, hands on, and lab intensive. On day one, students will be instructed on the use of the Peach Fuzzing Platform, from a practitioner's perspective, learning the ways in which Peach can be used to fuzz a variety of targets including network protocol parsers, ActiveX/COM interfaces, file parsers, APIs, and web services. Students will also be introduced to new methods by which fuzzing can be utilized to locate security flaws not typically considered detectable by fuzzing, including N-tier applications. On the second day, students will be exposed to the internals of Peach for a developer's perspective. The Peach architecture and module interfaces will be explained in great detail as t equip students with the skills necessary to extend and adapt Peach to their custom needs. Students will then develop their own Peach extensions in a lab environment. Enterprise Security from Day 1 to Completion:	Digital Intelligence Gathering Using Maltego //Paterva The IT security and intelligence community love Maltego—whether it be mapping a target's infrastructure or profiling a person's sphere of influence. During this course we will help you unlock the true potential and raw power of Maltego – from helping you to understand the underlying technologies to extending Maltego with your own code. Join us and we'll show you how to navigate and map the Internet's darkest rivers This course will also include practical sessions where learners will need to engage targets and participate in challenges.	Network Infrastructure //Cisco Security engineering teams often focus on the security of networked workstations, servers, and applications, neglecting the network itself . Many networks also receive only rudimentary security controls that are often deployed inconsistently. These scenarios not only fail to completely protect the network from today's threats, but they also fail to fully utilize innate network capabilities and existing security controls to detect and mitigate attacks against the computing infrastructure of an organization. During this course, students will learn leading network security practices from experts who developed these techniques and put them to practical use. The techniques covered in this cour- are not limited to those that are typically considered "security features"; this course will detail how to leverage network functionality (for example, routing protocols and Cisco IOS NetFlow) and security controls to provide a full range of attack identification and mitigation capabilities This course is organized around a proven six-phase approach to incident response, which transitions from preparation through post mortem and includes extensive hands-on lab work.

are will do of a given door

analyst to know the full capabilities of a g nat password does it expect for backdoor tomorrow that it didn't do today? tomorrow that it didn't do today? the steps required to understand the function rese. Attendees will work on real-world the steps required to the steps of the steps of the steps of the steps rese. Attendees will work on real-world

• Dino Dai Zovi take students through the complete process of finding and exploiting Mac OS X, highlighting the unique aspects of the operating system tha must be aware of. Each unit of the course includes lecture and lab students the background they need and then the opportunity to get lying those techniques.

xperience to develop simple ellcode such as command listeners using sockets, shellcode ter shellcode to search through ur hand so that you don't miss a to bypass security controls such as to bypass security controls such as to perform privilege escalation. ng the Metasploit Exploit ed to show that their shellcode ed to show that their shellcode to generate shellcode for a variety o MSF so that it is available to all

Interventional the students practice what they have learned on their own.

it roces everyone really chieve? The fact is that we often is sometimes advantageous but le, a deep understanding of how ential and linear cryptanalysis) se standardized ciphers like Such an understanding also Such an understanding also ock size in a block cipher, and the s are broken due to r wide open to attack. Without most impossible to implement

tric and ell as

ds and threa ogies and e apps, circur sed attacks.

SE BQST (Basic Qualified Security en-Testing Exam: Review Course s Group

he course includes multiple interactive and exercise challenged to apply the material learned to new problems opers who need to understand cryptographic primitives in and also to security professionals who need to make truly funct to use and use.

remetration-testing field. The National Board of Security Testers (NBISE), with the UK- based Council for Registered Ethical Security Testers (CREST), is offering I technically difficult examinations and certifications for the penetration-testing he goal of these certifications is to provide a measure of assurance that certified re operationally capable of thorough and repeatable penetration tests. The NBISE field Security Tester (BQST) certification is targeted at intermediate-level penetration given its intermediate status, the exam is unlike any certification non-U.K. testers have experienced previously, leading to very low pass re-andidates who have taken the exam have to the tester that certification the tester tester tester the tester the tester the tester the tester the tester tester tester the tester tester

Jired and the unique.

ion exploitation. and once in, ho course is well-su onals who have a pinals who have a pical ethical hav levels. A portior

The course, the focus will shift from information discovery to Attendees will learn how to compromise common operating to gain access to the rest of the network. ted to penetration testers of any skill level and all security basic grasp of networking and software exploits. This course differs ing program in that the focus is on techniques that are not affected of the class will be dedicated to building new tools, on the fly, to I by a difficult penetration test

our, Do you know what to do ns, TCP/IP Weapons School 3.0 n source software-friendly, e mindset not found in classes punded in the latest strategies

us chemicals and even and seals are horribly weak -depth the ways in which a attacks against the bulk of o days of deep knowledge th heat guns, solvent



the code I**1UGSA** receive off your istration

//welcome

Black Hat's flagship event returns for its fourteenth year to Caesars Palace Las Vegas. Black Hat is best known for its intense, informative, cutting edge, no vendor-pitch sessions that often showcase never before seen techniques and research. Amongst the offerings this year:

- One on one access to our sponsors' senior technical executives, the top security products and consultancies in the world. Get tailored security solutions on the spot.
- Over 50 different training classes offered on weekend and weekday sessions to make this one of the comprehensive top level security training events in the industry.
- The Briefings will be comprised of in depth presentations consisting of seven Briefings tracks and two Workshop tracks running concurrently over two days for a total of over 90 sessions.
- Black Hat Arsenal returns for its second year. This enormously popular area will highlight open source and free tools.
- Executive Briefing for C-level delegates which will take place the day before the start of the Briefings.
- Networking opportunities with over 5000 of your peers from over 40 nations

//about Black Hat

The Black Hat Briefings are a series of highly technical information security conferences that bring together thought leaders from all facets of the infosec world—from the corporate and government sectors to academic and even underground researchers. The environment is strictly vendor-neutral and focused on the sharing of practical insights and timely, actionable knowledge. Black Hat remains the best and biggest event of its kind, unique in its ability to define tomorrow's information security landscape

In addition to the large number of short, topical presentations in the Briefings, Black Hat also provides hands-on, high-intensity, multi-day Trainings. The Training sessions are provided by some of the most respected experts in the world and many also provide formal certifications to qualifying attendees.

Black Hat's decade of leadership attracts the most prestigious names from the full spectrum of security thinkers, and ensures that the conference stays on the leading edge of new security trends as they emerge. Our commitment to delegate feedback also helps keep our presentations aligned to the needs and desires of our delegates.

From its inception in 1997, Black Hat has grown from a single annual conference in Las Vegas to a global conference series with annual events in Abu Dhabi, Barcelona, Las Vegas and Washington DC. It has also become a premiere venue for elite security researchers and the best security trainers to find their audience.

//briefings

Spanning two days with fourteen separate tracks, our speakers will be releasing current "never before seen" tactics, tools and research. A complete listing of speakers, session titles and topic descriptions can be found at www.blackhat.com

//presentations

Apple iOS Security Evaluation: Vulnerability Analysis and Data Encryption

Dino Dai Zovi

Covert Post-Exploitation Forensics With Metasploit Robert McGrew, National Forensics Training Center and McGrewSecurity

Crypto for Pentesters Thomas Ptacek, Matasano Security

Going to Lahore Mikko Hypponen, F-Secure

Hacking .Net Applications: The Black Arts Jon McCoy, .NET Software Engineer

Owning Your Phone at Every Layer: A Mobile Security Panel Moderator: Tyler Shields, Veracode Research Lak

Reviving Smart Card Analysis Karsten Nohl, Cryptographer & Security Researcher and Chris Tarnovsky, Flylogic

Server-Side JavaScript Injection: Attacking NoSQL and Node.js Bryan Sullivan, Adobe

Sophail: A Critical Analysis of Sophos Antivirus Tavis Ormandy, UNIX Security Researcher

//workshops

A Taste of the Latest Samurai-WTF DVD Justin Searle, InGuardians

Investigating Live CDs using Volatility and Physical Memory Analysis Andrew Case, Digital Forensics Solutions

Zero Day Malware Cleaning with the Sysinternals Tools Mark Russinovich, Windows Azure Group at Microsoft

Infosec 2021 - A Career Odyssey Lee Kushner, LJ Kushner and Associates

//special events

Black Hat Arsenal: Tool/Demo Area //August 3-4

Back by popular demand, Black Hat is pleased to offer a Tool/Demo area for independent researchers and the open source community that will allow delegates to view and test tools firsthand and have direct access to the developers of the tools.

Black Hat Bookstore: BreakPoint Books //July 31-August 4

Come by the official bookstore and browse and purchase the latest titles in security.

Black Hat Circuit

//August 3 When the annual Black Hat reception starts to wind down and you're looking for a place to go, don't fret, because the Black Hat Circuit will just be getting warmed up. The Black Hat Circuit will feature themed rooms from key exhibitors; offering conference delegates a venue to continue their technology conversations and networking activities. Participating Circuit sponsors have gone the extra mile in providing food and drinks.

Black Hat Embassy: Media Partners

//August 3-4

Come by the Embassy and learn more about venerable institutions such as DoD, FBI, Cloud Security Alliance, ISSA, EFF and more.

Black Hat Executive Briefing

//August 2 One hundred executives from Global 2000 corporations and federal agencies are invited to attend a full day of

high-level discussions about topics unique to Black Hat. The Executive Briefing will begin with an introduction from one of the highest-ranked US government officials,

discussing the importance of cyber security to homeland security. The morning sessions will preview the most important technical discussions planned for the main Black Hat Briefings. Lead by Jeff Moss, founder of Black Hat and DEF CON, these previews will enable executives to discuss the implications of the newest vulnerabilities and attacks with their peers and the actual researchers. Executives can then use this knowledge to prepare their teams ahead of time and direct their technical experts to the most important research being released. The afternoon sessions will include a number of strategic discussions around the latest threats to the public and private sectors and long-term countermeasures to be taken into consideration.

Black Hat Merchandise Store

//August 2-4

Get your Black Hat branded merchandise - t-shirts, jackets, mugs, barware, lab coats and more! Please note: No cash will be accepted. Purchases can be made with any major credit or debit card.

Black Hat Exhibit Hall

//August 3-4 Here is your chance to meet with and explore the offerings that the top security companies have to offer.

Black Hat Workshops

//August 3-4

In our experience, Security professionals are always looking for the latest tools and resources to perform their jobs effectively and efficiently. This year we will be hosting two tracks of security workshops to provide delegates a deeper understanding with regards to a specific subject. These tracks will run concurrently with the Briefings presentations and are available to all persons holding a Briefings pass.

What we hope to achieve: Greater awareness and access to terrific work for the security world at large. These will be deep technical sessions that can give delegates a chance to delve deeply into tech and hopefully take away practical applications to the information presented.

DEF CON

Planning on attending DEF CON this year but don't want to head to the Rio and potentially miss out at Black Hat? As a registered Black Hat USA 2011 attendee you can now pre-purchase your DEF CON pass and save \$50 off of the \$150 DEC CON registration price.

Event Audio & Video: The Source of Knowledge

//August 3-4

Afraid you'll miss a session? The Source of Knowledge will be onsite to sell audio and video recordings of the Briefings sessions. Media, including iPad ready presentations may be purchased onsite at a substantial discount.

Hacker Court

//August 3 This is the tenth year anniversary of the venerable Hacker Court. Come by the session to see an engaging mock trial that demonstrates legal issues in cyberspace. All events are fictitious, but legally accurate.

PWNIE Awards

//August 3

In 2011 the Black Hat USA Briefings are once again providing the venue for the Pwnie Awards, the security industry's premier award show celebrating the achievements and failures of the security community over the past year. For more information about the awards or to submit a nomination, please visit the official Pwnie Awards website at http://pwnies.com

Uplink: Streaming Live from Black Hat USA

//August 3-4

This year thousands of security professionals from around the world are making plans to be a part of Black Hat USA 2011. But not all of those people will actually be in Las Vegas. With Black Hat Uplink, you can experience essential content that shapes the security industry for the coming year—for only \$595. Now you can get a taste of Black Hat USA from your desk-this year's live event will be streamed directly to your own machine with Black Hat Uplink: • Access to the seven Briefings tracks on each day of the Briefings and the keynotes—a total of 70+ possible

- sessions to view.
- Post-conference access to Uplink content; go back and review the presentations that you missed or watch the presentations that interested you the most as many times as you want for up to 60 days after the event.
- Get show promotional pricing for the "Source of Knowledge" DVDs should you wish to purchase ALL of the recordings from Black Hat USA and/or DEF CON 19.

Register with the code **B1H1UGSA** and receive 20% off your registration *Discount is only good

wards new registration

//sponsors

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Advance Malware Analysis by MANDIANT							Х					
Advance Malware Deobfuscation by Bixtor Technologies							Х					
Advance Memory Forensics in Incident Response					х							
Adv. Vulnerability Scanning Techniques Using Nessus												
by Paul Asadoorian, Tenable Network Security	Х											
Advance Windows Exploitation Techniques by Offensive Security			х									
Application Security: For Hackers and Developers		v										
by Jared De Mott, Crucial		^										
Assessing and Exploiting Web Applications with Samurai-WTF	Х											
by Justin Searle & Kevin Jonnson												
in the Age of Stuxnet by Tom Parker	х					х			х			
Building A Better Mousetrap by Rohit Dhamankar & Rob King							Х		Х			
CISSP Boot Camp by Logical Security-Shon Harris			х									
CNSS-4012 Senior System Manager/CNSS-4015 System Certifier			v									
Combination Course by IA2			^									
CNSS-4016 Risk Analyst by IA2			Х									
Cyber Network Defense Bootcamp by Adam Meyers							X	X	Х			
Designing Secure Protocols and Intercepting Secure				х					х			
Detecting & Mitigating Attacks Using Network Infrastructure by Cisco									x			
Digital Intelligence Gathering Using Maltego by Paterva	х								~			
Effective Fuzzing: Using the Peach Fuzzing Platform												
by Michael Eddington	Х	Х										
Enterprise Security from Day 1 to Completion by Chris Conacher	х						Х					
Exploit Laboratory By Saumil Shah	х											
Exploit Laboratory: Black Belt Edition by Saumil Shah	Х											
Hacking and Securing Oracle (Crash Course)	Х											
by Alexander Kombrust & Sumit Siddharth	v											
Hacking By Numbers: BrackOps Europh by Sensepost	X											
Hacking by Numbers: Cadet by Sensepost	^ X											
Hacking By Numbers: Combat by Sensepost	x											
Hacking by Numbers: Unplugged by Sensepost	~								х			
Hacking by Numbers: W^3 by Sensepost	х	X							~			
Hands-On Hardware Hacking & Reverse Engineering Techniques												
by Joe Grand						X					Х	
IDA Pro Class: Reverse Engineering with IDA Pro by Chris Eagle											Х	
Incident Response: Black Hat Edition by MANDIANT					Х			х	Х			Х
Infrastructure Attacktecs & Defentecs: Hacking Cisco Networks									х			
by Steve Dugan							v					
Macsoloitation by Vincenzo Jozzo & Dino Dai Zovi	Y	Y					•					
Macsportation by Wheenzo 10220 & Dirio Dai 2001 Malware Analysis: Black Hat Edition by MANDIANT	^	^					x				x	
Mobile Hacking by HotWAN	x						~				~	
NBISE BOST (Basic Qualified Security Tester) Pen-Testing Exam	x											
Review Course by Veris Group												
Offensive Countermeasures: Defensive Tactics that Actually Work	x								x			x
by PaulDotCom	~								~			~
Pentesting with BackTrack by Offensive Security	Х											
Pentesting with Perl by Joshua Abraham	Х											
Physical Penetration Testing: Advanced by The CORE Group										X		
Physical Penetration Testing: Introduction by The CORE Group										X		
Real World Security: Atlack, Delend, Repel by Peak Security	X			v					X			X
SAP Security In-Denth by Onansis	Y	Y		^								
The Shellcode Lab by Tv Miller	~	^										
Symmetric Cryptography by Andrew Lindell				x								
Tactical Exploitation by Val Smith	х								х			
Tampering with Security Seals by The CORE Group										х		
TCP/IP Weapons School 3.0 by Richard Bejtlich	х											
Ultimate Hacking: Black Hat Edition by Foundstone	х											
Ultimate Hacking: Wireless Edition by Foundstone									х			
Virtualization for Incident Responders by MethodVue					х							
Web App Hacker's Handbook by Dafydd Stuttard & Marcus Pinto	х	X										
Web Application (in)Security by John Heasman & Daniel Martin	х	x										
Web Security by Elie Burszstein	х	x										
Windows Physical Memory Acquisition & Analysis by Matthieu Suiche					х							
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