Advanced Real World Pentesting
by

Overview
This fast-paced tutorial will teach you how to leverage bleeding-edge toolsets and techniques to conduct effective, in-depth penetration tests on the latest, real-world network, web and application components. This highly intense, completely hands-on lab-based curriculum has been created by our team of industry-leading experts with experience in training thousands of professionals from Fortune 500 enterprises, defense and law enforcement agencies.

The tutorial will be conducted on our cloud-based, state of the art lab platform where attendees will be doing unique lab exercises in class! Over 90% of tutorial time will be spent on these hands-on, live penetration tests!

Tutorial will be from the following:

Getting Started; Caching Servers; Log Analysis and SIEM Systems; PaaS Platforms; Datacenter and Container Technologies; Serverless Apps; Code and Package Repository; VoIP Systems; IoT Network Attacks; Privilege Escalation and Subverting Defenses; Pivoting and Lateral Movement; and Persistence Techniques

Key Takeaways

   Understand how to recon and pentest modern components
   Tools techniques procedures employed in real-world scenarios
   Understanding how defenders can protect networks against exploitation

Audience Skill Level

   Basics of penetration testing
   Familiarity with tools such as Nmap, Metasploit, Burpsuite, Wireshark
   Able to read and understand code written in Python (need not be a proficient programmer)

What Praticipants Should Bring

   Laptop with at least 4 GB RAM
   40GB of free space for courseware
   1 working USB port on your laptop
   Admin/Root on the laptop so you can install soft
   Latest Google Chrome browser

Tutorial Speakers:

Nishant Sharma is a R&D Manager at Pentester Academy and Attack Defense. He is also the Architect at Hacker Arsenal where he leads the development of multiple gadgets for WiFi pentesting such as WiMonitor, WiNX and WiMini. He also handles technical content creation and moderation for Pentester

Academy TV. He has 7+ years of experience in information security field including 4+ years in WiFi security research and development. He has presented/published his work at Blackhat USA/Asia, Wireless Village, IoT village and Demo labs (DEFCON). Prior to joining Pentester Academy, he worked as a firmware developer at Mojo Networks where he contributed in developing new features for the enterprise-grade WiFi APs and maintaining the state of art WiFi Intrusion Prevention System (WIPS). He has a Master degree in Information Security from IIIT Delhi. He has also published peer-reviewed academic research on HMAC security. His areas of interest include WiFi and IoT security, AD security, Forensics and Cryptography.

Jeswin Panikulam Mathai is a Researcher at Pentester Academy and Attack Defense. He has been a co-trainer at HITB Amsterdam/Singapore. He has presented/published his research at Blackhat USA/Asia Arsenal, DEFCON USA/China and Packet Village. He has a Bachelor's degree from IIIT Bhubaneswar. He was the team lead at InfoSec Society IIIT Bhubaneswar in association with CDAC and ISEA, which performed security auditing of government portals, conducted awareness workshops for government institutions. He was also the part of team Pied Piper who won Smart India Hackathon 2017, a national level competition organized by GoI. His area of interest includes Advanced Pentesting, Malware Analysis and Reverse Engineering, Cryptography, WiFi security and Web Application Security.