



Xcode Private Training
Advanced Network Hacking &
Wireless Hacking



Advanced Network hacking & Wireless hacking

Pembelajaran teknik-teknik network hacking secara ethical.
Penambahannya adalah materi wireless hacking.

Waktu Training: 6 hari antara 2-5 jam.

Objectives : Dengan Menyelesaikan training ini diharapkan peserta bisa melakukan teknik-teknik network hacking & Wireless hacking.

Basic Network hacking & Wireless hacking

| No | Session | Objective |
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| Performing Basic System Management Tasks | | |
| 1 | Session 1 | <ul style="list-style-type: none"> - Network Fundamental - Dasar IP Address, Mac Address, pengenalan 7 layer OSI, etc - FTP, SSH, Telnet, DNS, DHCP, Web Server, MySQL Server, VNC, RDP - Routing (NAT) & Port Forwarding - Dasar Kriptografi - Mengenal encode / decode (base64) - Mengenal salah satu enkripsi & dekripsinya pada kriptografi simetris - Mengenal enkripsi & dekripsinya pada kriptografi asimetris (public key & private key) - Mengenal fungsi hash - Firewall - TOR Windows - Command prompt - Manajemen user (Command prompt) - Shell bash |

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| | | <ul style="list-style-type: none"> - Repository - Setting ip address di linux - Managemen user dan group di linux - SSH & Screen - Apache Server - Firewall UFW |
| 2 | Session 2 | <ul style="list-style-type: none"> - Ethical Hacking - Strategi, metode & langkah dasar - Scanning jaringan - Scanning IP, port, service, OS yang digunakan, dll - Dasar Hacking (Step by step) - Hacking suatu Web Server dengan searchsploit / exploit-db (Step by step) - Shell (eksploitasi di shell seperti copy data) - Hacking suatu Web Server yang terinstall di Windows 7 (Step by step) - Hacking suatu FTP Server yang terinstall di Windows 10 (Step by step) - Hacking suatu FTP Server dengan metasploit framework (Step by step) - Perintah-perintah metasploit dasar dan contoh encode pada payload saat eksploitasi |

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| | | <ul style="list-style-type: none"> - Backdoor pada target Windows (Tiap target masuk windows, attacker langsung mendapatkan akses) - Scanning bug dengan Nessus dan contoh eksploitasinya dengan metasploit - Hacking pada SMB Windows XP SP3 ber-firewall (Bypass firewall pada target Windows) (Step by step) untuk mendapatkan akses shell - Perintah-perintah meterpreter dasar - Hacking pada service SMB Windows Vista / Windows Server 2008 untuk mendapatkan akses shell - Hacking pada service SMB Windows 7 Full Version /Windows 7 SP1 untuk mendapatkan akses shell / meterpreter - Hacking pada service SMB Windows Server 2008 R2 Enterprise untuk mendapatkan akses shell |
| 3 | Session 3 | <ul style="list-style-type: none"> - Hacking pada service SMB Windows 8.1/10 yang mengijinkan share folder tanpa password untuk mendapatkan akses shell (Bypass Windows Defender) - Hacking pada service SMB Windows Server 2012 R2/2016 yang mengijinkan share folder tanpa password untuk mendapatkan akses shell (Bypass Windows Defender) - Hacking pada target samba server linux ubuntu server untuk mendapatkan akses shell - Buffer Overflow - Fuzzer Development (Membuat fuzzer sendiri dengan Python) - EIP & SEH Handler |

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| | | <ul style="list-style-type: none"> - Pattern create & pattern offset - Cek proteksi SafeSEH & ASLR dan menghindarinya - Uji coba perbedaan module yang terproteksi dan yang tidak terproteksi - JMP ESP - SEH & SafeSEH - POP POP RETN (Bypass SEH) - Mengenal Bad Character - Shellcode Development untuk membuat CPU bekerja hingga 100% (Membuat dengan bahasa assembler dari awal) - Tabel kebenaran XOR - Shellcode Development untuk remote (Membuat dengan bahasa assembler dari awal) - Penggunaan nasm dan objdump untuk shellcode yang dibuat - Cara penyusunan shellcode secara cepat - Shellcode generate dengan encode shikata_ga_nai - Proof of concept pada exploit yang dibuat |
| 4 | Session 4 | <ul style="list-style-type: none"> - Scanning IP, port, service, OS dll - Denial of Service - Web Server (intranet & internet) - Denial of Service - IP Publik (Koneksi internet target down) |

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| | | <ul style="list-style-type: none"> - Denial of Service SMBv1 - (SMB Windows XP, SMB Windows Server 2003) (Blue Screen) - Denial of Service SMBv2 - (SMB Windows Vista, SMB Windows Server 2008) (Blue Screen) - Denial of Service RDP (RDP Windows 7) (Blue Screen) - Denial of Service SMB Windows 7 SP1 (Blue Screen) - Denial of Service SMB Windows 8.1 / 10 / 2012 R2 / 2016 dengan sharing folder tanpa password (Blue Screen) - DHCP Flooding - Netcut - ARP Spoofing (Sniffing http / telnet / pop3 / mysql & crack with wordlist / smb & crack with wordlist / ftp / Sniffing isi email (client ke smtp server) - Wireshark - Sniffing password dengan sertifikat SSL palsu pada HTTPS - Eksploitasi heartbleed untuk membaca memory dari server yang diproteksi oleh OpenSSL (Bisa mengambil password pengguna pada web dan sebagainya) - Sniffing password dengan SSLStrip - Cookies stealing (MITM + Wireshark) dengan tujuan bypass login web tanpa memasukkan password (Wireshark cookie dump) ~ Session Hijacking (Cookie Hijacking) |
| 5 | Session 5 | <ul style="list-style-type: none"> - DNS Spoofing (windows / linux) |

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| | | <ul style="list-style-type: none"> - Membuat fake login sendiri - Client side Attack ~ Browser IE atau firefox - Eksploitasi celah remote pada Microsoft Word 2010 / 2013 / 2016) - Bypass login masuk windows (Berbagai versi windows seperti Windows 7, Windows 8.1 dan Windows 10) - Msfvenom untuk backdoor Windows (Backdoor diinject kan ke file exe lain) - Membuat backdoor Android (Backdoor di injek kan ke file apk lain) - Meterpreter (Download, upload, keylogger, VNC, etc) - Privilege escalation pada Windows Server 2008 / Windows 8.1 / Windows 10 / Windows Server 2012 R2 / 2016 - Mendapatkan password logon / admin windows secara langsung di desktop windows dengan akses administrator pada Windows 7 / Windows 8 - John the ripper pada Windows / linux - Brute force attack (VNC / telnet / ftp / pop3 / http / mysql / ssh / vnc / samba linux) - Membangun wordlist dengan berbagai kriteria sendiri secara cepat (generate) |
| 6 | Session 6 | <ul style="list-style-type: none"> - Dasar Wireless LAN - Mengenal keamanan wireless pada access point |

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| | <ul style="list-style-type: none">- Mac changer- Bypass mac filtering (Deny the stations specified by any enabled entries in the list to access)- Bypass mac filtering (Allow the stations specified by any enabled entries in the list to access)- Bypass SSID Hidden (teori)- Analisa dasar paket wireless untuk mengetahui ip address yang ada di jaringan (teori) SSID Flooding (teori)- Jamming- Hacking WEP- Hacking password WPA-PSK dengan menggunakan wordlist- Cracking password WPA-PSK dengan semua kemungkinan pada kriteria tertentu di linux (bukan daftar kata yang ada pada file text)- Cracking dengan paket WPA-PSK dengan VGA Card (CUDA)- Hacking password WPA-PSK melalui WPS (tidak sampai 1 menit - tidak semua AP bisa)- Hacking password WPA-PSK pada router ADSL melalui eksploitasi Wifi.id- Hacking password WPA-PSK dengan LINSET |
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