



Jadavpur University

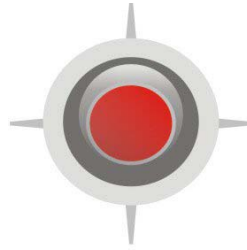
FETSU presents,



SRIJAN 2012

...Innovations Abound

in association with



TechDefence

Workshop

on

ETHICAL HACKING

&

INFORMATION SECURITY

Level-2



Where you see the facilities, we see the flaws ...

HACKTRACK

A workshop on Ethical Hacking & Information Security



PRIVILEGES

- sudo command - run command as root
- sudo -s - open a root shell
- sudo -s -u user - open a shell as user
- sudo -k - forget sudo passwords
- gksudo command - visual sudo dialog (GNOME)
- kdesudo command - visual sudo dialog (KDE)
- sudo visudo - edit /etc/sudoers
- gksudo nautilus - root file manager (GNOME)
- kdesudo konqueror - root file manager (KDE)
- passwd - change your password

DISPLAY

- sudo /etc/init.d/gdm restart - restart X and return to login (GNOME)
- sudo /etc/init.d/kdm restart - restart X and return to login (KDE)
- (file) /etc/X11/xorg.conf - display configuration
- sudo dexconf - reset xorg.conf configuration
- Ctrl+Alt+Bksp - restart X display if frozen
- Ctrl+Alt+FN - switch to tty N
- Ctrl+Alt+F7 - switch back to X display

SYSTEM SERVICES

(Prefix commands with sudo to run)

- start service - start job service (Upstart)
- stop service - stop job service (Upstart)
- status service - check if service is running (Upstart)
- /etc/init.d/service start - start service (SysV)
- /etc/init.d/service stop - stop service (SysV)
- /etc/init.d/service status - check service (SysV)
- /etc/init.d/service restart - restart service (SysV)
- runlevel - get current runlevel

APPLICATION NAMES

- nautilus - file manager (GNOME)
- dolphin - file manager (KDE)
- konqueror - web browser (KDE)
- kate - text editor (KDE)
- gedit - text editor (GNOME)

NETWORK

- ifconfig - show network informati
- iwconfig - show wireless informat
- sudo iwlist scan - scan for wirel
- sudo /etc/init.d/networking rest
- (file) /etc/network/interfaces - configuration
- ifup interface - bring interface
- ifdown interface - disable inter

SPECIAL PACKAGES

- ubuntu-desktop - standard Ubuntu
- kubuntu-desktop - KDE desktop
- xubuntu-desktop - XFCE desktop
- ubuntu-minimal - core Ubuntu util
- ubuntu-standard - standard Ubuntu
- ubuntu-restricted-extras - non-fi
- kubuntu-restricted-extras - KDE d
- xubuntu-restricted-extras - XFCE
- build-essential - packages used t
- programs
- linux-image-generic - latest gene
- image
- linux-headers-generic - latest bu

FIREWALL

(Prefix commands with sudo to run)

- ufw enable - turn on the firewall
- ufw disable - turn off the firewa
- ufw default allow - allow all con
- default
- ufw default deny - drop all conne
- default
- ufw status - current status and
- ufw allow port - allow traffic on
- ufw deny port - block port
- ufw deny from ip - block ip adre

PACKAGE MANAGEMENT

(Prefix commands with sudo to run)

- apt-get update - refresh availabl
- apt-get upgrade - upgrade all pac
- apt-get dist-upgrade - upgrade w/
- replacements; upgrade Ubuntu ver
- apt-get install pkg - install pkg
- apt-get purge pkg - uninstall pkg
- apt-get autoremove - remove obsol
- apt-get -f install - try to fix b
- dpkg --configure -a - try to fix
- packages
- dpkg -i pkg.deb - install file pl
- (file) /etc/apt/sources.list - Al
- list

SYSTEM

- Recovery - Type the phrase "REISU
- holding down Alt and SysRq (Print
- about 1 second between each lette
- will reboot.
- lsb_release -a - get Ubuntu versi
- uname -r - get kernel version
- uname -a - get all kernel informa



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Workshop Session Schedule

Modules	Particulars	Duration (Hours)
1.	Level 1 Revisited	1.5
2.	Windows Memory Management Registers and Flags in x86 Opcodes and Mnemonics Virtual Memory addresses Little Endian format Kernel32.dll and User32.dll Stack and Heaps	1.0
3.	Assemble Language Basics Introduction Why needed? Beware of Jumps Some useful commands	0.5



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4.	<p>Buffer Overflows</p> <p>Introduction to BoF's Shellcodes Types of BoF's Basics of WinDbg Exploiting a remote machine Countermeasures</p>	2.0
5.	<p>Reverse Engineering</p> <p>Introduction Basic Usage of OllyDbg Patching Key gening Countermeasures</p>	2.0
6.	<p>Metasploit & Backtrack</p> <p>Introduction Demonstration on different exploits on Metasploit & Backtrack</p>	1.0
7.	<p>Wireless Hacking</p> <p>WEP & WPA Attacks Countermeasures</p>	1.0
	Total Hours	9



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Program Benefits & Highlights

Learn & Interact with renowned Industry Experts

Receive an unparalleled education on the art of computer security with personal one-on-one attention from Sunny Vaghela.

Hands on Demonstrations of Latest Hacking Techniques & Tools.

Hands on Demonstrations of various cases solved by Sunny Vaghela.

PowerPoint Presentation, Live Demos, Interactive Question & Answer sessions and comprehensive reading material.

Toppers of each workshop to be personally interviewed Sunny Vaghela and will receive a chance to work with him on security projects.

Key points of TechDefence

We have rich experience working on cases & training for Crime Branch, Ahmedabad, Rajkot, Surat, Nashik & Hyderabad.

Conducted more than 160 workshops & seminars for Students & Professionals across globe.

We helped Top Investigating Agencies to solve Cyber Terrorism Cases like Ahmedabad & Mumbai Blasts Cases.

We do not use third party tools. We have developed our Crypters, Trojans, and Scripts etc.

Our Director & Trainer is supported by Ministry of Home Affairs, Malaysia.

Workshop Trainer

Sunny Vaghela (To know more about Sunny Vaghela please visit www.sunnyvaghela.com.)



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Course material & CDs

Comprehensive course material will be provided to participants.
Ethical Hacking Toolkit worth Rs.200 (Containing Tools, Videos, EBooks, Presentations)

Course Duration

1 Days (9 hours).

Fees & Certification

Rs. 800 per participant Or
Rs. 600 per participant for Level - 1 attendees.
(This includes Registration Kit, Ethical Hacking Toolkit, and Course Material).

Certificate of " Certified Ethical Hacking Expert – Level 2 " will be given to participants from SRIJAN 2012 - Jadavpur Univesity and TechDefence.

Contact Details

If you have any queries, Kindly contact us:

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