Ethical Hacking and IoT club

Short term training program, on Ethical Hacking and IoT

Ethical Hacking

Certified Ethical Hacker (**CEH**) is a qualification obtained by demonstrating knowledge of assessing the security of computer systems by looking for weaknesses and vulnerabilities in target systems, using the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner to assess the security posture of a target system. This knowledge is assessed by answering multiple choice questions regarding various ethical hacking techniques and tools. The code for the C|EH exam is 312-50. This certification has now been made a baseline with a progression to the C|EH (Practical), launched in March 2018, a test of penetration testing skills in a lab environment where the candidate must demonstrate the ability to apply techniques and use penetration testing tools to compromise various simulated systems within a virtual environment.

Guru Nanak Institute of technology initiated a movement against the cyber crime by educating its children's through SHORT TERM TRAINING PROGRAM since September 2019. This initiative will take the society a level up the Standard against Cyber Crime.

Keep your Data secured
Use virtual keyboard instead of Hardware a Keyboard

Privacy is a myth, Everyone is Watching

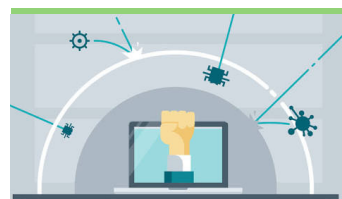Don't trust your Operating System

WIRELESS ATTACK

WPA-2PSK

PRIVACY

Design your own Privacy

SYSTEM PENETRATION

Your system, your protection

Kali Linux is constantly evolving with new features being added to the distribution all the time. In an ongoing effort, we are attempting to document common, new, or interesting features available in Kali Linux as best as we can. This has prompted the setup of our Official Kali Linux Documentation website. We believe the fastest way to get to know Kali Linux is to follow the documentation site and explore the new features available.

On our multi-language documentation site, you will find out what makes Kali Linux different from standard Linux distributions, how to install Kali on different types of hardware including ARM devices, how to create your own custom Kali Linux ISOs, and much more.
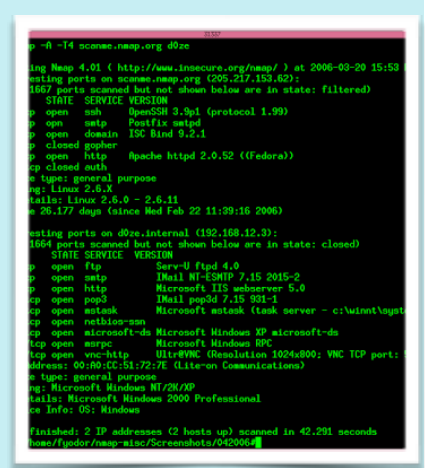The documentation site is in a constant state of work in progress and is translated by Kali Linux community members in their free time, on a best-effort basis. As such, translated documents may fall behind the original English translations. If in doubt of accuracy, know that the English versions are the most up-to-date. If you would like to help with translations
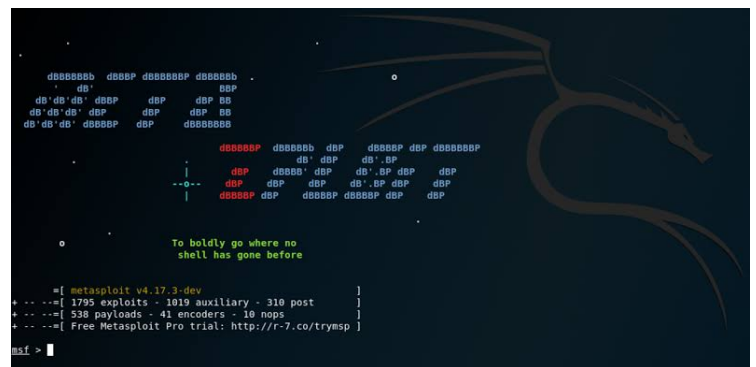
## "Look Around, You are being watched"

NMAP

Nmap is a free and open-source network scanner created by Gordon Lyon. Nmap is used to discover hosts and services on a computer network by sending packets and analysing the responses. Nmap provides a number of features for probing computer networks, including host discovery and service and operating system detection.

ZEN-MAP

Zenmap is an free and open source GUI for Nmap. It is available on many operating systems (Linux, Windows, Mac OS X, BSD, etc.) and makes Nmap easier to use for beginners. Zenmap is usually packaged with Nmap itself, but if you want to download it separately.
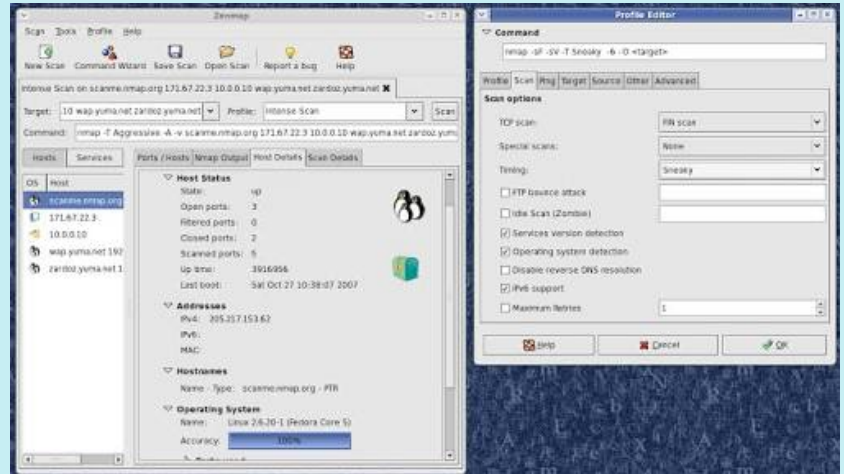
METASPLOIT

The Metasploit Project is a computer security project that provides information about security vulnerabilities and aids in penetration testing and IDS signature development. It is owned by Boston, Massachusetts-based security company Rapid7.
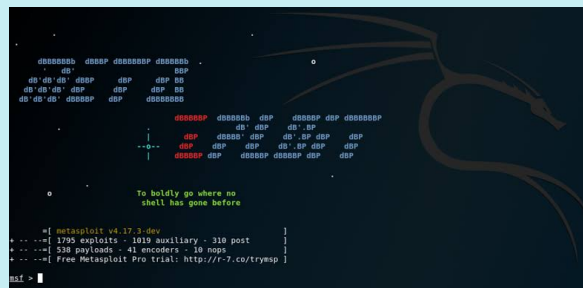
Its best-known sub-project is the open-source Metasploit Framework, a tool for developing and executing exploit code against a remote target machine. Other important sub-projects include the Opcode Database, shellcode archive and related research.

The Metasploit Project includes anti-forensic and evasion tools, some of which are built into the Metasploit Framework. Metasploit is pre-installed in the Kali Linux operating system.

Activities of Cyber Security and Digital Forensic Club
(Session September 2019 - December 2019]
Ethical hacking using Kali Linux 18.10 onwards

1. Cyber Law
2. Basics About Operating System (Windows And Linux)
3. Networking and it's Security
4. Tools of Hacking
5. Precautions

Regular classes (Conducted By Soumyadipta Basu, Secretory)

Regular classes were held from 3:30 pm to 5:30 pm on every Thursday, where enrolled students attained the classes conducted on Guru Nanak Institute of Technology, Sodepur Campus.

Syllabus Covered on Ethical Hacking Short Term Training Program:
1. A brief Introduction to Cyber Security.
2. Basic Protections that should be taken to be safe in the online Cyber Space.
3. root-me.org web Client practice.
4. Hack The Box invitation code generation.
5. Wireless Fidelity De-authentication Technique.
6. Basic knowledge on Super Computers and its architecture.
7. Types of Hacking and its preventions.

Sort Quiz and exams were conducted in between the session for assessing the performance of individuals. Each and every individuals have performed really well in the test and quiz that was conducted in house. More than 10 classes were commenced and was successful. Two Workshops were organised for the students of Guru Nanak Institute of Technology, Ethical Hacking, Short Term Training Program.

VOTE OF THANKS

From: Soumyadipta Basu (Secretory)
To: Prof.(Dr.) Shantanu Kr. Sen (Honourable Principal, GNIT)

I, Soumyadipta Basu, Secretary of Ethical Hacking Club, is thankful to Guru Nanak Institute of Technology for allowing us together to for taking the initiative for introducing such club and program in our college in association with National Cyber Security Society. We are thankful to the Principal of Guru Nanak Institute Of Technology, along with the Advisers and Council members of the club. A Special vote of thanks for The President of this club for being with us throughout the session and for the endless support.

I will also like to thank the Student's Executive Committee for helping the club with the best of their ability. The student members of this club are the brilliant minds, for their presence this program has been a great success throughout.

Thanking You,

Soumyadipta Basu (Secretory)
(Ethical Hacking and Cyber Security)
soumyadiptabasu06@gmail.com

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