**DAY 29**

The OWASP IoT top 10 (as of 2018)

1. Weak guessable or hardcoded passwords

2. Insecure network services

3. Insecure ecosystem interfaces

4. Lack of secure update mechanism

5. Use of insecure or outdated components

6. Insufficient privacy protection

7. Insecure data transfer and storage

8. Lack of device management

9. Insecure default settings

10. Lack of physical hardening

🡪shodan.io/explore

Search queries in shodan for FTP servers with anonymous logins

* ‘anonymous@’ login ok
* Anonymous user logged in
* Only anonymous FTP is allowed here
* Anonymous access granted; restrictions apply.
* 230 login successful

**hydra -h** in kali linux

Cryptography:

1. Symmetric

2. Asymmetric

GAK: Government Access tokens

Cryptographical encryption algorithms:

1. Ciphers

2. Substitutions

3. Polyalphabetics

4. Keys

5. DES algorithms

6. AES algorithm

7. RC4, RC5, RC6

8. RSA (Rivest Shamir Adleman)

Cryptographical hashing algorithm:

1. MD, MD4, MD5 (Message Digest)

2. SHA (Secure Hash Algorithm)

SHA – 1

SHA – 2

SHA – 256

SHA – 512