**DAY 30**

How the hashes get calculated using some tools:

Few tools used to calculate the hash for a file or a plain text are:

1. Hashcalc

2. MD5 calculator

3. Hashmyfiles

Disk encryption:

1. Symantec drive encryption software

2. Gillisoft full distribution

3. Veracrypt

Veracrypt is used to create a virtual partition….

Hide files and unmount the partition

Veracrypt:

1. Open in admin

2. Create volume

3. Select type of drive (pop up “No”)

4. Volume type

5. Volume location

6. Encryption options

7. Volume size

8. Volume password

Mounting:

Browse for encrypted file

**Cloud computing:**

Cloud computing is a technology that allow the access to personal and shared resources with minimal management. It often needs Internet access.

Types of cloud computing services:

1. IAAS (Infrastructure As A Service)

2. PAAS (Platform As A Service)

3. SAAS (Software As A Service)

**IAAS:**

Ex. 1. Amazon EC2

2. CISCO metpod

3. Microsoft azure

**PAAS:**

Ex. 1. Google Apps

2. Microsoft azure

3. Intel mash maceral

**SAAS:**

Ex. 1. Office 365

2. Zoom

3. CISCO Webex

Cloud computing deployment models:

1. Public cloud

2. Private cloud

3. Hybrid cloud

4. Community cloud

Cloud computing threats:

1. Data loss/ Data breach

2. Abusing data/ cloud services

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3. Insecure interfaces and API

Cloud computing attacks:

1. Service hijacking using social engineering

2. Session hijacking using XSS attack

3. DNS attack

4. SQL injection

5. Network sniffing

6. DOS/DDOS attacks