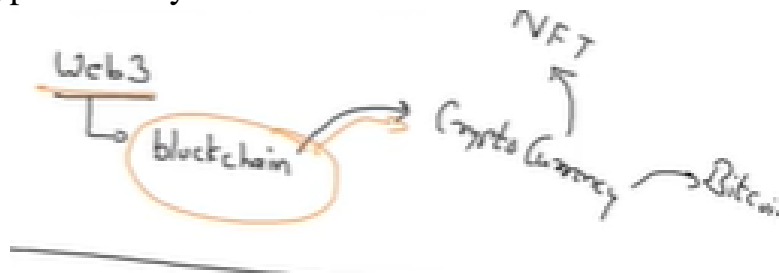




Cryptography Session No.1

Summary 20-07-2022

- In today's world we moving to the Web3 and web3 is the future
- Web3 is based on the blockchain and the blockchain backbone is cryptocurrency linked to bitcoin

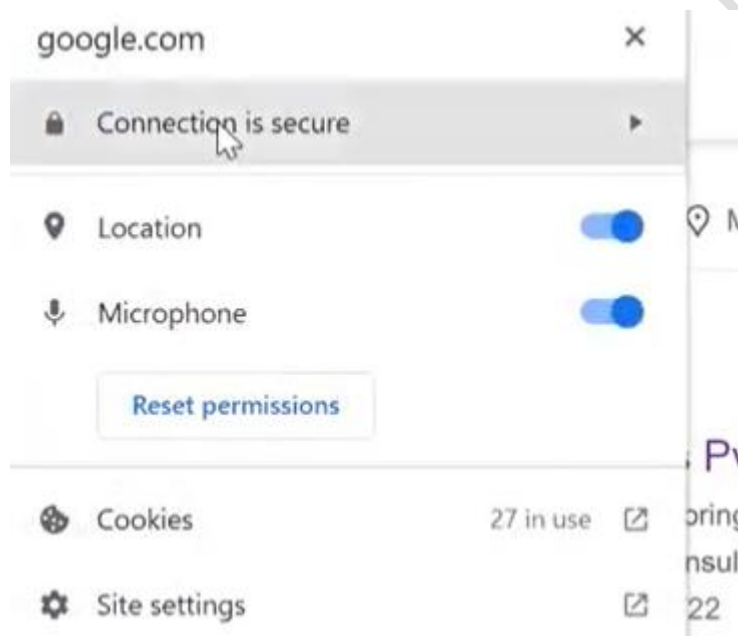


- In the real we need security to secure all the data Cryptography is good for securing the data
- In every field we need security and every field's final stage is security
- Crypto + Graphy = Hidden/Secret + Writing
- Cryptography Knowledge helps in the security of all the technologies like Cloud, DevOps, Linux
- When a packet is traveling between the Client and server then these packets are called "Packets in transit"
- Wireshark is a tool, That can capture any network interfaces
- Download Wireshark- <https://www.wireshark.org/download.html>
- HTTPS is a secure protocol and Data is encrypted here.
- For example if you open any website Eg. Google.com and search for anything and every search this goes the Google in the log form this log is called Encryption
- Encryption- The process of converting information or data into a code using some algorithms, Mainly to prevent unauthorized access and secure sensitive data.
- For Encryption, We have multiple algorithms available, One of the famous and powerful algorithms is AES.

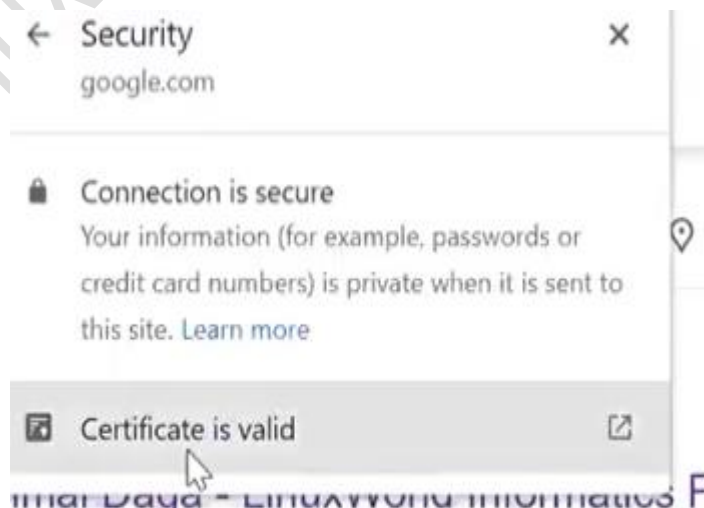
- If you want to see the log then click on the lock button on your web browser



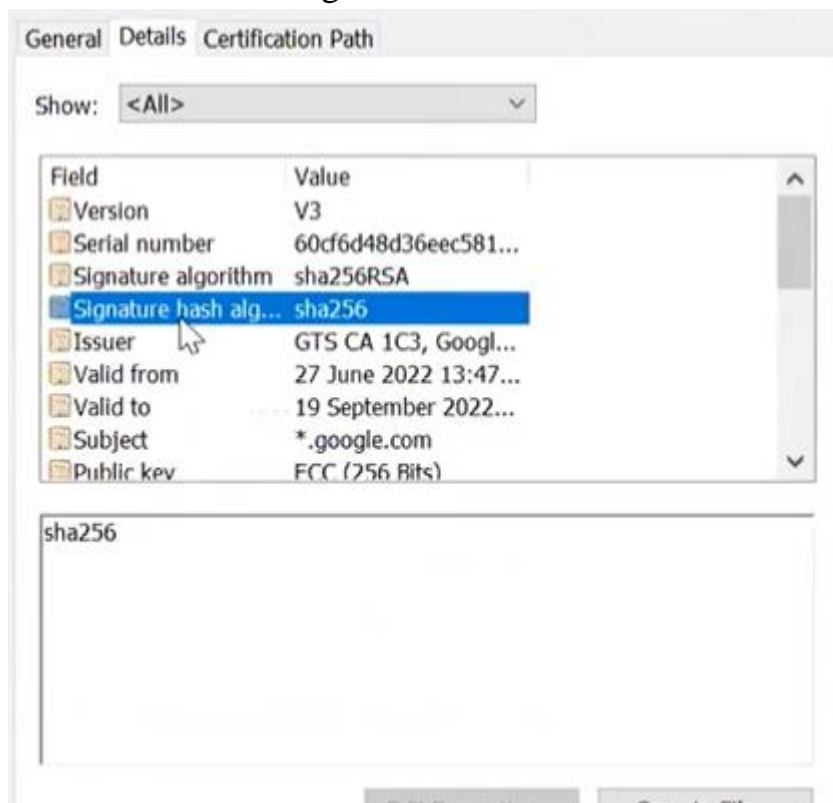
- After that click on the connection is secure



- Then click on the Certificate is valid



- After clicking they give one page in that page we have a lot of information about the logs



- They use hashing algorithm