

- Recommend session reuse mechanism?
- 1. TSL- Level session Resumption
 - · TLS 1.3 uses resumption Psks to resume previous
 - · Enable resumption PSK's too pertormance, but avoid (0x) severly
 - · key management Rotate the resumption Psks
 for performance
- 2 Session Tickets RFC5077
 - · Server issue encryption session tickects to
 - the client
 - . use strong authentication encryption to protect ticket contents
- 3: session ID's
 - · Exprisation and inactivity time outs
 - . server-side invitation
 - · Rate limiting tox resumption

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· Hand Shake delay = 500ms

= 0.5 Second

· Mumber of sessions per day = 10,000

Total delay = hand shake delay x number of sessions

= 0.5 X10,000

= 5,000 SEC

- · convert into 8 minutes hours
 - = 5000/60
 - = 1 hours 23 minutes

Computer Networks

A S Signment - 5

Name ! D'Nagababu

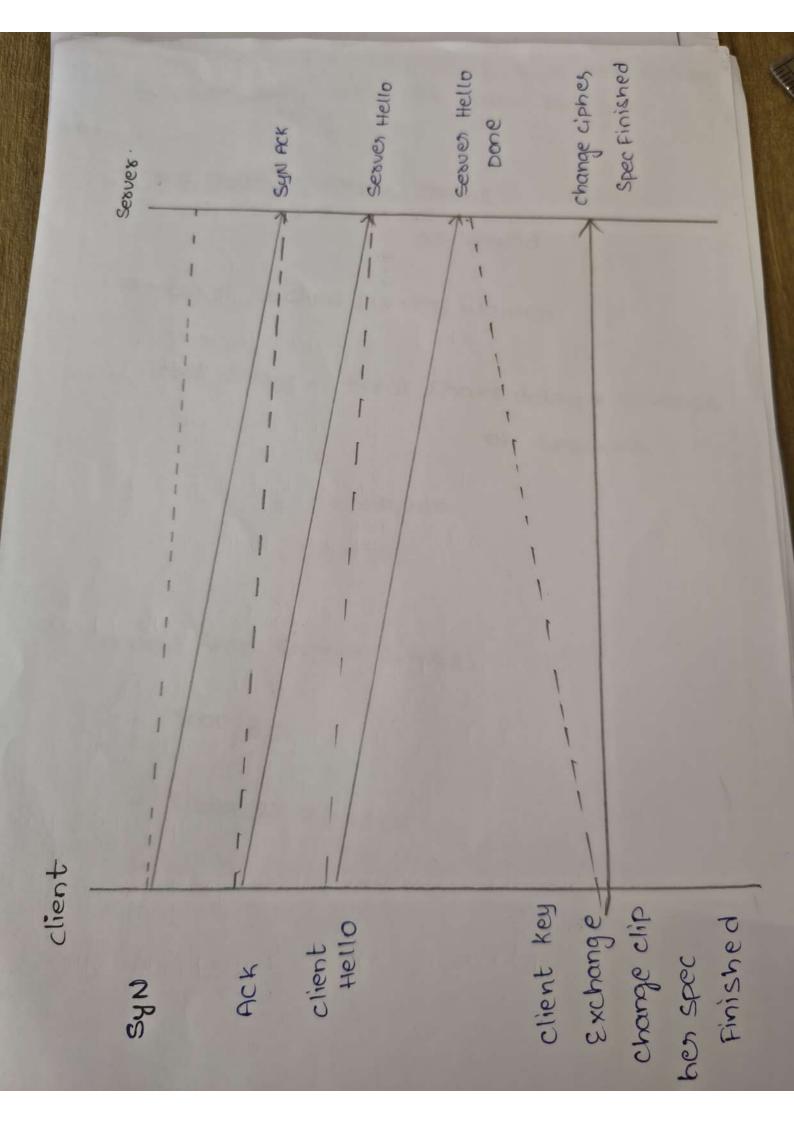
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38) SSL Cextificates and public key usage. 1. SSL Certificates: · An SSI certificate is a digital credential issued by a trusted Authority · It contain: -> The server's public key domine name - CA digital signature -> validity Period. 2. Public key ussage: sexues sends its SSL client verifies the costificate Sexuex's Public Key 3. Why important for Bank: . Authentication · confidentially · integrity

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- 10) Describe the SSL hand shake process
- A Process :
- 1. client Hello :

The client initiates communication

- · supposted SSI/TLS Vession
- · supported cipher suites
- · A sandomly generated number
- 2. Sequer Hello:
 - . The SSL | TLS wersion chosen
 - · selected ciphex suite.
 - · Another random numbes
- 3. Cestificate vestication:
 - · checks if it's signed by a trusted certicate
 - . The browser verifies the certificate
- 4. key exchange:
 - · Depending on the chosen method
 - . The client and server securely