symmetric algos

· Data encyption standard DES symmetric block cipher 64-bit blocks 56-bit key

30ES - plaintext encrypted 3 hours osing diff subkeys 3 hours osing

. Advanced Encryption Standard AES

symmetric block cipher

block size 128 bit

Key size 128, 192, 06 256

faster : more secure than DES

Asymmetric algos

· RSA

creates digital signatures

· DSA

ECOHE = ECC W/ O-H ephemeral

epheneral keys = perfect forward
sucrecy

ECC is befler than RSA but keys can be compronised and affect all comms

Cryptography prevents single point of

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Side channel attack - monitor ferings like timing, power consume, and electro-magnet w/ physical relation

ECOHE = ephemeral key

ECOH = not ephemeral key

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ECOHE = ephemeral key

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ECOHE = copport

Client ?, server copport

ephemeral keys

RSA/AES sopported by knowsers inhedding watermarks is example

embedding watermares Of stegarography Used by carnter fait deferrence Systems eucode messages within tep packet data also steganography Electronic code book ECB - mode of operation that processes encyption in blocks Cipher block chaining CBC - public of operation using IV output of first block combined w/ next block. Intensive and not as fast as ECB

RCU symmetric stream cipur