Hash Pointers
Definition

database server

184.85.170.148

100G

SHA256

0x67ee5...

256-bits

184.85.170.148	0x67ee5478eaa...

H( )

data

184.85.170.148	0x67ee5478eaa...
location	crypto hash
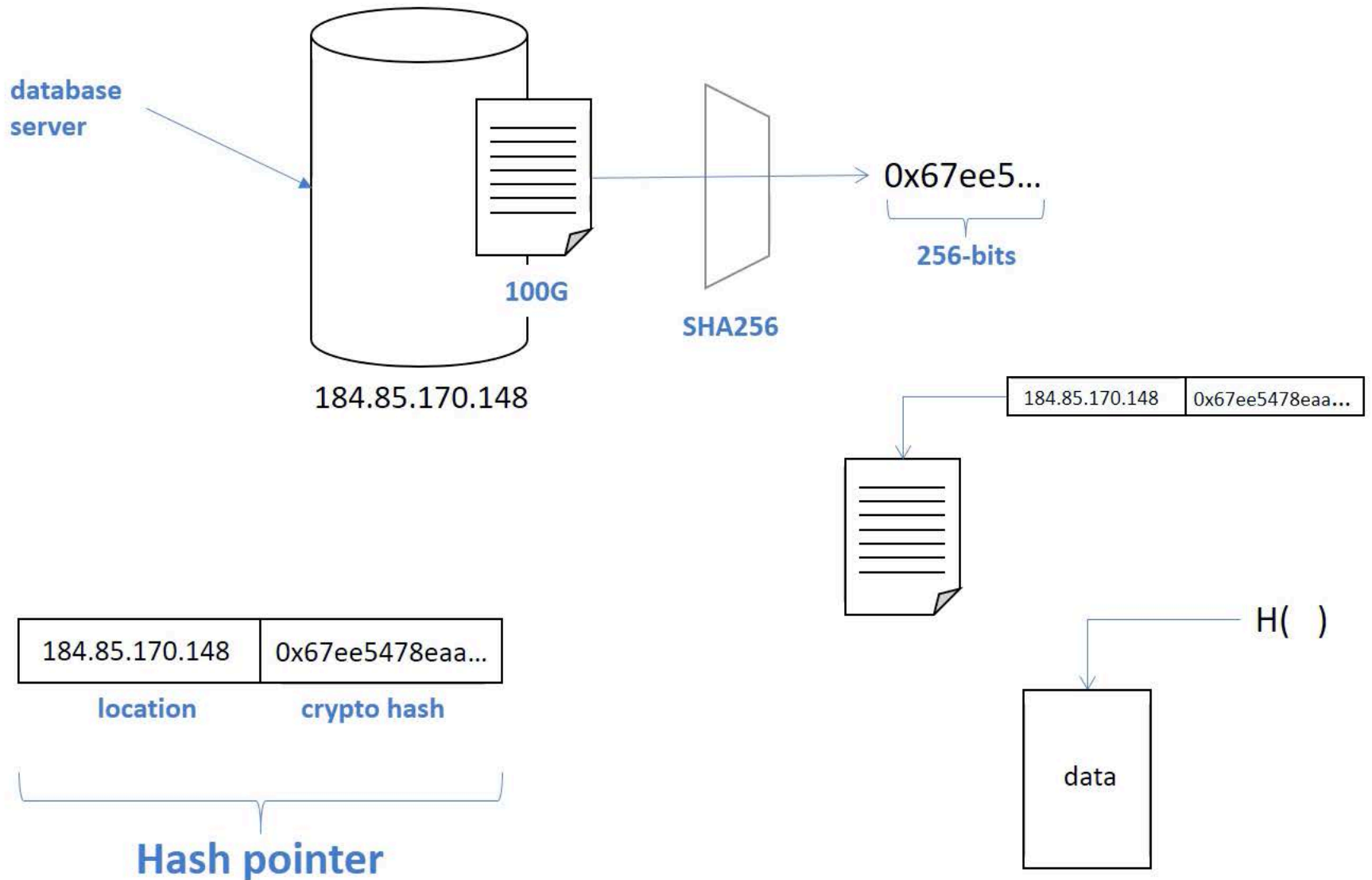
Hash pointer

Linked List
Definition

linked list
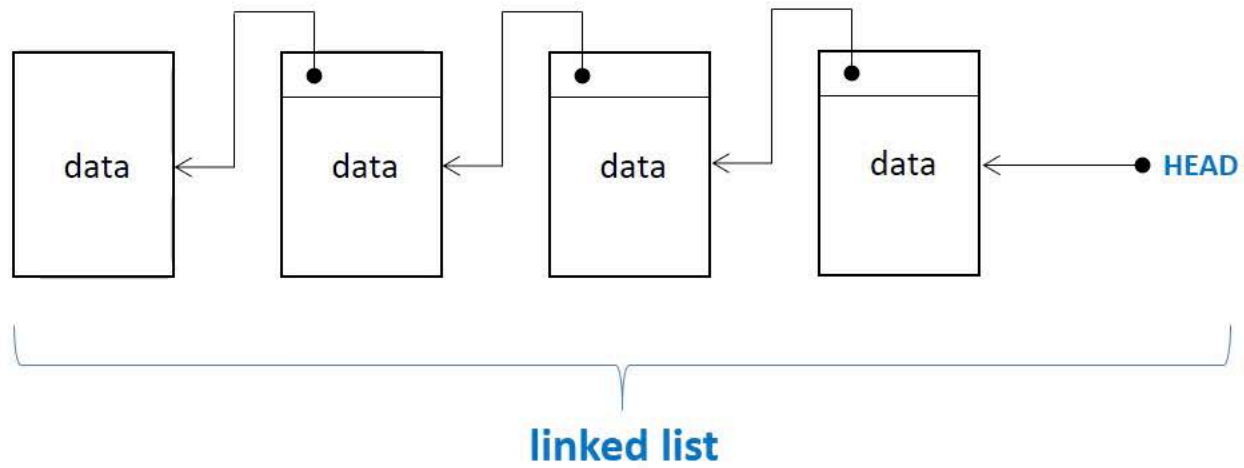
02:47
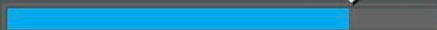
Block Chain
Definition
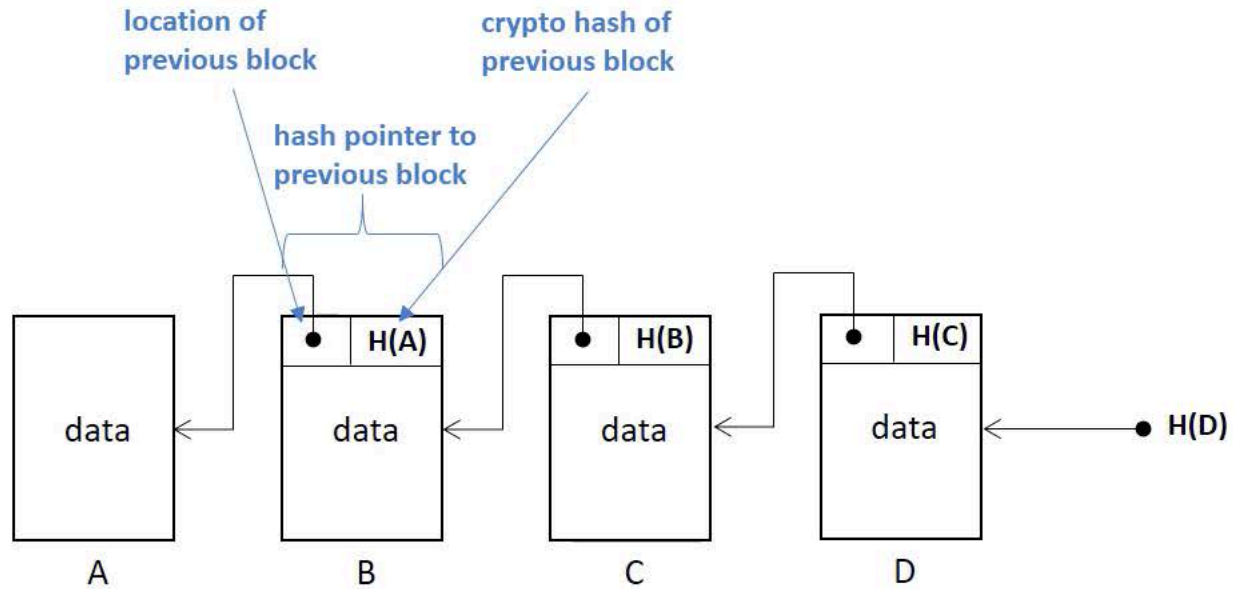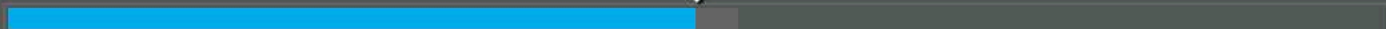
Block Chain
Tamper-evident Log

Attacker

H(A)   H(B)   H(J)

H(K)

A   B   J   K

Internet
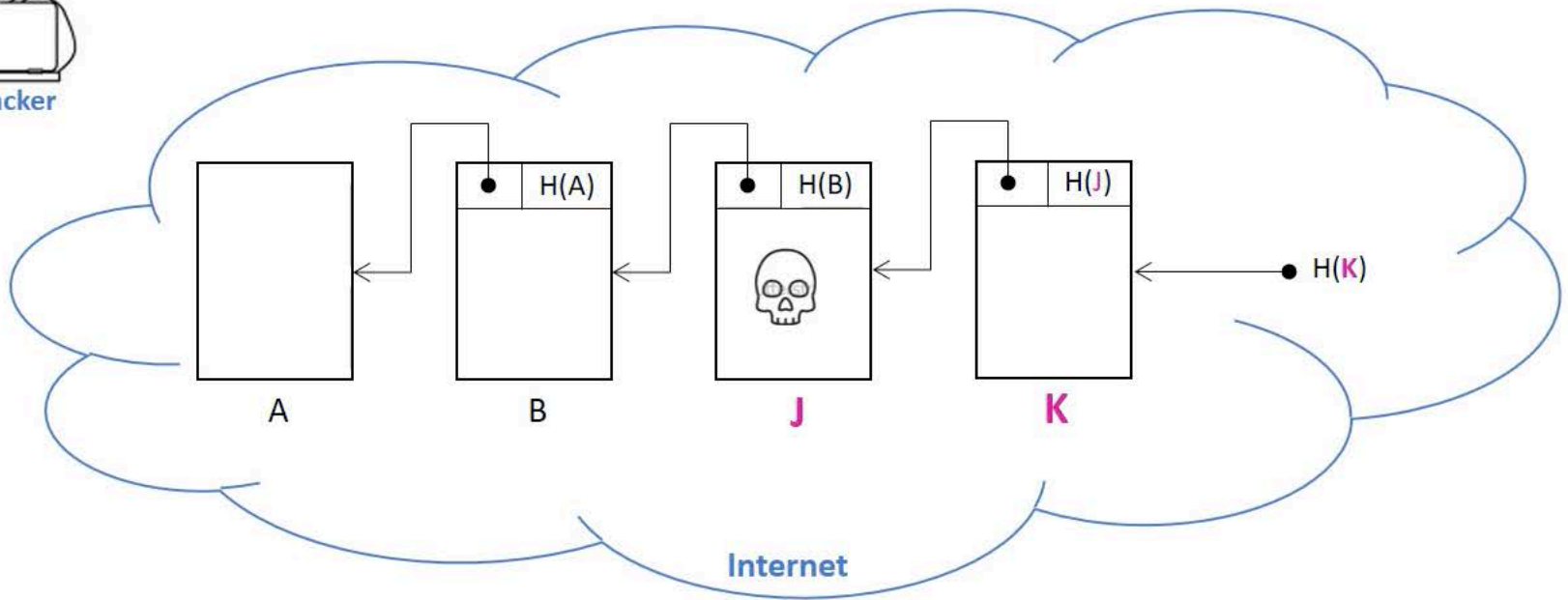
Has the block chain been tampered with? I only know **H(D)**.

H(D)

Alice

By remembering just the head hash pointer, Alice has determined a tamper-evident hash of the entire list.