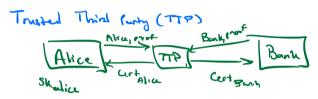
Authenticoted Key Exchange Protocols

Key exchange should be seeme against at time attacks.

Def. Active adversey! complete control of network, can modify, delate, inject powhets

ex mirm attacks

+ some honest and compt wers, anhalled by about were such we correct was shall not after other ressions



-> Offline TTP (CA): contested only during registration, renocation -> Online TTP: autivaly participates in every keep each (kerteurs)





Busic AKE security (informal)

Suppose Affice successfully emplated AKE to obtain (K, Bunk)

If Bonh not compt then;

Alice very only should we Bonh

Seeney.

-> To also, keys k indishignishable from rand.

(com if abo. seen other begs in other restrict)

Consterny

-> IF bunk complete AME it obtains (K, Alice)

Forward scenery?

-s if adv berns Sh g at live I, then all sessions without from tet numin sent

HEM scendto?

To It also queries them holding Skg in times,
then at most in sessions are compromised.