

Defeat replay attack with a double nonce











A



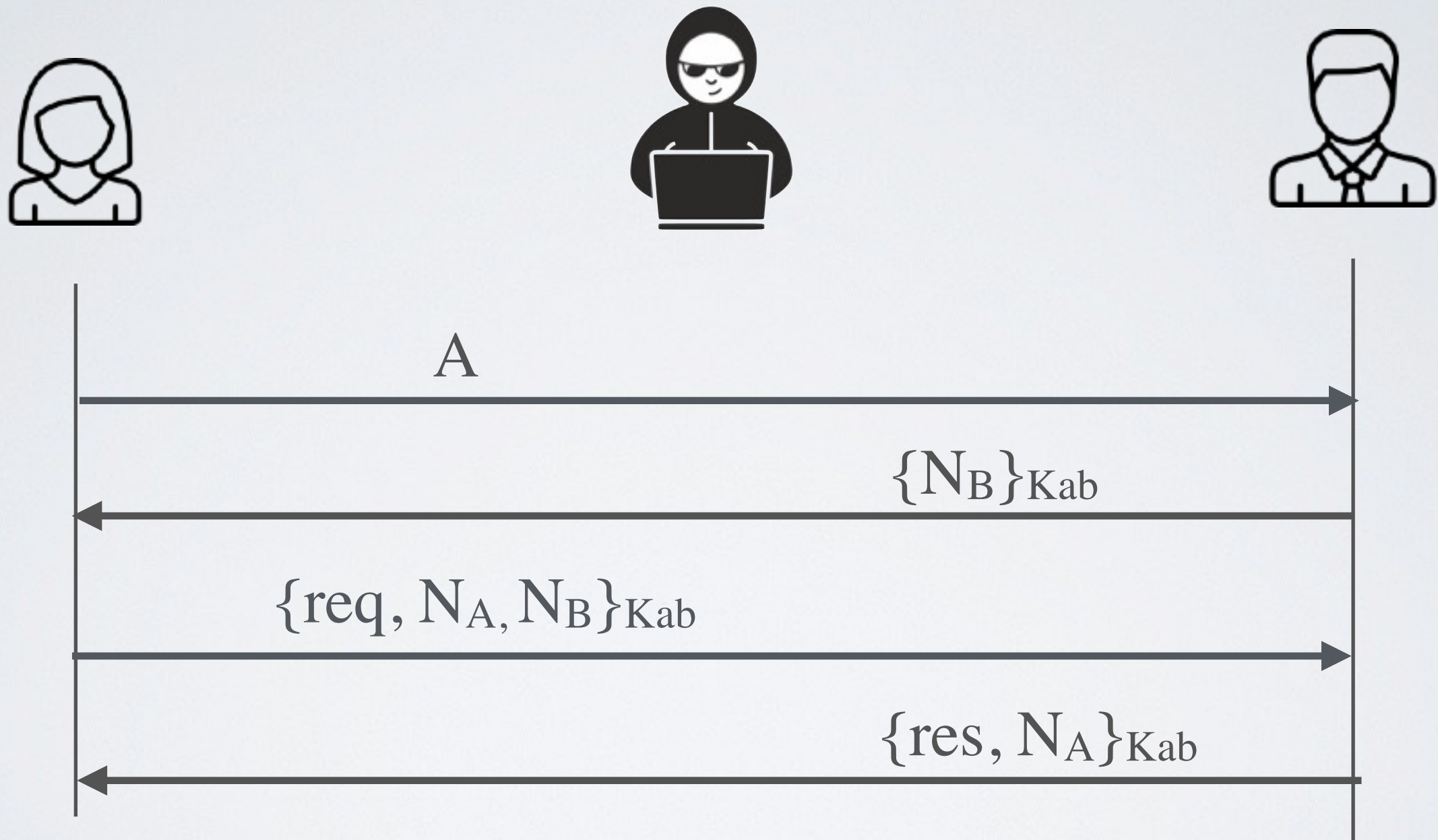
$$\{\text{req}, N_A, N_B\}_{K_{ab}}$$




$\{\text{res}, N_A\}_{Kab}$


$$\{N_B\}_{Kab}$$

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A symmetric protocol
for key exchange