#### Diffie-Hellman Key Exchange

- The DH key exchange protocol
- How to exchange (symmetric) keys

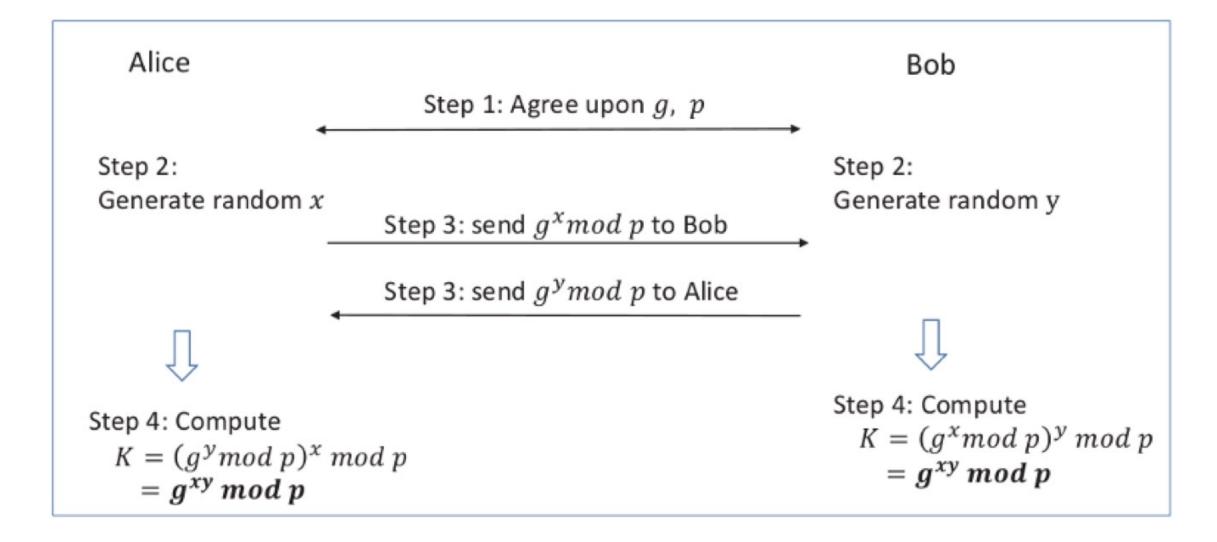
#### Diffie-Hellman Key Exchange (High-Level)

Allows communicating parties with no prior knowledge to exchange shared secret keys, over an insecure channel





#### Diffie-Hellman Key Exchange



• DH key exchange protocol allows two parties to exchange a secret

- Protocol can be tweaked to turn into a public-key encryption scheme if...
  - Public key: known to the public and used for encryption
  - Private key: known only to the owner, and used for decryption
  - Establish algorithm(s) for encryption and decryption

