

Shared/Symmetric vs. Public/Private

- Shared keys reveal too much information
 - Hard to *revoke* permissions from principals
 - E.g., group of principals shares one key
 - want to remove one principal from group
 - need everyone in group to change key
- Public/private keys involve costly encryption or decryption
 - At least one of these 2 operations is costly
- Many systems use public/private key system to generate shared key, and use latter on messages