Key Management and Key Distribution in Cryptography | Key Management | Key Distribution

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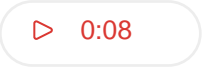## Summary

Notes	Screenshots	Bookmarks
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KEY MANAGEMENT
&
DISTRIBUTION

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✦ B2B SAAS founders looking to grow their startup through product demos can learn how to get more leads on Dennis's channel.

▷ 0:08

Key Management

- The main aim of key management is to generate a secret key between two parties and store it to prove the authenticity between communicating users.

- Key management is the techniques which support *key generation, storage* and *maintenance of the key* between authorized users.

- Key management plays an important role in cryptography as the basis for securing cryptographic goals like *confidentiality, authentication, data integrity* and *digital signatures.*

- It is not the case where communicating parties are using same key for encryption and decryption or whether two different keys are used for encryption and decryption.

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- Basic purpose of key management is *key generation, key distribution, controlling the use of keys, updating, destruction of keys and key backup/recovery.*
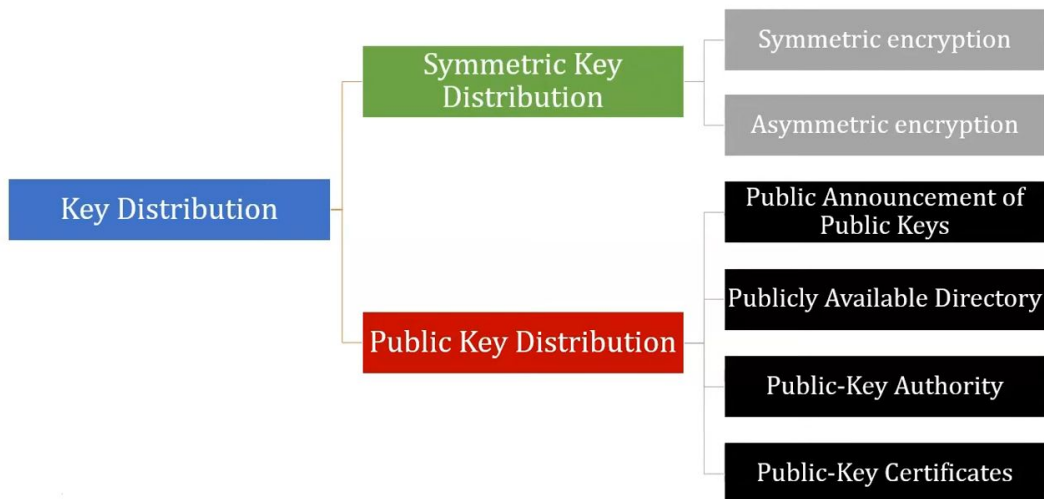
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Key Management

❖ **Following point to be executed in key management**

- User registration
- User initialization
- Key generation
- Key installation
- Key registration
- Normal use
- Key backup
- Key update
- Key de-registration and revocation
- Key recovery

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Key Distribution

```
Key Distribution ─┬─ Symmetric Key Distribution ─┬─ Symmetric encryption
                  │                               └─ Asymmetric encryption
                  │
                  └─ Public Key Distribution ─┬─ Public Announcement of Public Keys
                                              ├─ Publicly Available Directory
                                              ├─ Public-Key Authority
                                              └─ Public-Key Certificates
```

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