SYMMETRIC ENCRYPTION:

Symmetric encryption encrypts and decrypts the information using a single password.

In this encryption technique, the message is encrypted with a key, and the same key is used for decrypting the message.

ASYMMETRIC ENCRYPTION:-

Asymmetric encryption uses two keys for encryption and decryption. It is based on the technique of public and private keys.

A public key, which is interchanged between more than one user. Data is decrypted by a private key, which is not exchanged.

eg- internet, communication channels.

Example of how key work in Cloud access

There is 4 mode:

1.Data Owner

2. Data User

3. Cloud

4. TPA (Third party Authority)

SYMMETRIC ENCRYPTION:

DATA OWNER DATA USER

Register Register

Login

Upload file

View file

Logout