# Confidentiality and Integrity of communications



→ Implement a virtual trusted channel over an insecure medium

## Definitions

#### **Plaintext**

The message in its clear form (the original message)

### Ciphertext

The message in its ciphered form (the encrypted message)

### **Encryption**

Transform a plaintext into ciphertext

#### Decryption

Transform a ciphertext into a plaintext