1.Data is two type

Moving data (ssl, tsl)

Static Data

2. Integrity, Authentication, confidentiality, non-reputation

3. Access control

Book cryptography and network security principal and practice William stolin

1. security Services

i. confidentiality: Confidentiality is the protection of transmitted data from passive attacks.

With respect to release of message contains several levels of protection can be identified

ii. Authentication: the authentication service is concerned with assuring that a communication is authentic. In case of

single message such as a warning or alarm signal is to assure the recipient that the message is from the source that it claims

to be from.

iii. Integrity: Integrity says that the contain of the message is not changed in middle at the time of communication.

iv. non-repudiation: non-repudiation either sender or the receiver from denying a transmitted message thus when a message is sent

the receiver can prove that the message was in fact send by the alleged sender. Similarly, when a message is received

the send can prove the message was in fact received by the alleged receiver.