

IK2206 – Internet Security and Privacy

Chapter 20 – Electronic Mail Security

20.1 Distribution Lists (READ BRIEFLY)

- What is a distribution list?

The name that stands for a set of recipients.

- What are the different types of exploders?

- Remote Exploder is the way that sends a message to a site at which the list is maintained.

- Local Exploder is the method that the sender retrieves the list from the site where it is kept.

20.2 Store and Forward (READ)

- What is an MTA and a UA?

Message Transfer Agent: mails forwarders, mail servers, mail relays

User Agent: source and destination mail software

- Can you give examples of MTAs and UAs in practice?

UA: Microsoft Outlook

MTA: Microsoft Exchange Server

- Consider how an UA knows to which MTA an email should be directed?

20.3 Security Services for Electronic Mail (READ)

- Consider the list of features. Do you agree with all of them?
- Even though spam is such a nuisance, the authors still list "anonymity" as a desirable feature. Can you think of situations where it would be useful with anonymity?
- Self-destruction seems like a spectacular feature. Can you think of a way of designing such an e-mail feature, so that it can be enforced even if the user writes his/her own e-mail client?

20.4 - 20.16 (READ BRIEFLY)

- Make sure that you understand the basic concepts discussed in these sections, and their main implementation considerations