

## Data Exchange and Internet Security

### Suggested Answer to Tutorial questions

1. You have been tasked with arranging Internet access for other employees in your company. Summarize the hardware and software needed.

Software: web browser, operating system, TCP/IP stack on each PC.

Hardware: PC plus network card to connect to modem for each user. Plus gateway PC to connect to Internet including firewall for security reasons.

2. How would you explain to a friend what they need to purchase to access the World Wide Web using the Internet. Explain the hardware and software needed.

Software: web browser, operating system, TCP/IP stack.

Hardware: PC plus modem.

3. Explain the term electronic data interchange. Is it still relevant to companies?

The exchange, using digital media, of structured business information, particularly for sales transactions such as purchase orders and invoices between buyers and sellers.

It is still relevant since it can be used as a method of structured data transfer for purchasing across the Internet and has evolved as Internet EDI to support new standards such as XML.  $\approx$  html

4. Describe how following tools would be used by a company hosting a web site:

- HTML – to publish static web pages.
- FTP – to upload web pages to a web server.
- CGI – to develop interactive web pages.

5. The existence of standards such as HTML and the HTTP protocol has been vital to the success and increased use of the World Wide Web. Explain why.

These act as common standards that are used on all computers accessing the web regardless of vendor. HTML (Hypertext markup language) provides a common markup language which displays content consistently on a range of computers. HTTP (Hypertext transfer protocol) gives a standard method of requesting and returning information over the 'web'.

6. Explain why the e-business coordinator of a company might investigate the use of applications service providers.

ASPs provide a means of outsourcing business applications. These can then be provided at a lower cost and higher service quality standards.

7. Explain the differences between intranet, extranet and the Internet from an e-business perspective.

The Internet is used to communicate with all interested parties, while the intranet is to manage internal e-business processes, and the extranet is for external communications with favoured parties such as key suppliers.