

Broadband Assignment

Questions

1. In a broadband context, what is the difference between synchronous and asynchronous communications?
Asynchronous has different upload and download speeds
2. What is latency?
delay in delivering the data to the end point
3. From Eli's point of view, what is the difference between business and residential service?
Business costs more but you get a better level of service
4. Explain the difference between a static and a dynamic IP address.
A static IP address stays the same all the time. A dynamic address is assigned each time you get on a connection
5. Why might an organization want a static rather than an IP address?
Spammers use Dynamic Addresses so your data may be blocked by Spam filters
6. Why would an ISP block a particular port?
To keep you from running a website
7. What is an SLA?
Service Level Agreement
8. When would you use a T1 line?
To host a web site
9. What are two advantages of a T1 line?
You get a SLA and they have a better geographical coverage
10. What is the primary disadvantage of a T1 line?
They are very expensive
11. What is the primary advantage of carrier class Ethernet?
Offers SLA and allows a much wider range of speeds
12. In wireless networking, what does 'unlimited Internet' mean?
You pay a set price regardless of the amount of data you transfer
13. In an old building, what could be a problem source concerning DSL service?
Wiring infrastructure may not be able to support DSL
14. With a cable connection, what type of problem could be associated with a trunk line?
It provides a set bandwidth to multiple users in the neighbourhood. If everyone gets on at once it will slow down the connection

15. From a business perspective, what is a potential weakness of Cable?

You share bandwidth with multiple users. If everyone gets on at once you bandwidth may be decreased

16. What is FIOS?

Fiber to the home. Internet and TV services provided by Verizon in region

17. What is the reason that you probably don't want a satellite connection?

Expensive, Limited Speeds, Latency