

ESD264/1.264
Lecture 34 case study
Fall, 2013

Short answer: two pages or less. Be prepared to discuss in class

Your transportation brokerage company also handles billing for freight shipments, collecting from shippers and forwarding payment to carriers. This data must be secure; you route funds directly to banks in some cases and between customers in other cases.

How would you communicate between your three major sites in New Jersey, Houston and Los Angeles? You transfer approximately 10,000 bills and payments in a 1 hour window at the end of each day from Houston and Los Angeles to New Jersey, which is the only site connected to banks. Each bill is about 500 kB of data (documents and signatures are scanned)

Select the technology and bandwidth

Will you use LAN, WAN or MAN technology?

Which specific technology will you use? Discuss options, pros/cons.

Discuss broader options surrounding your choice.

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