









Information Dissemination Over the Web: Limits and Constraints

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acpu.anetwork.com

Mozilla/5.0 (Macintosh; U; PPC Mac OS X; en-us) AppleWebKit/85 (KHTML, like Gecko) Safari/85

http://website.bnetwork.com/neatsites.html

"www.umd.edu"

:privacy.html

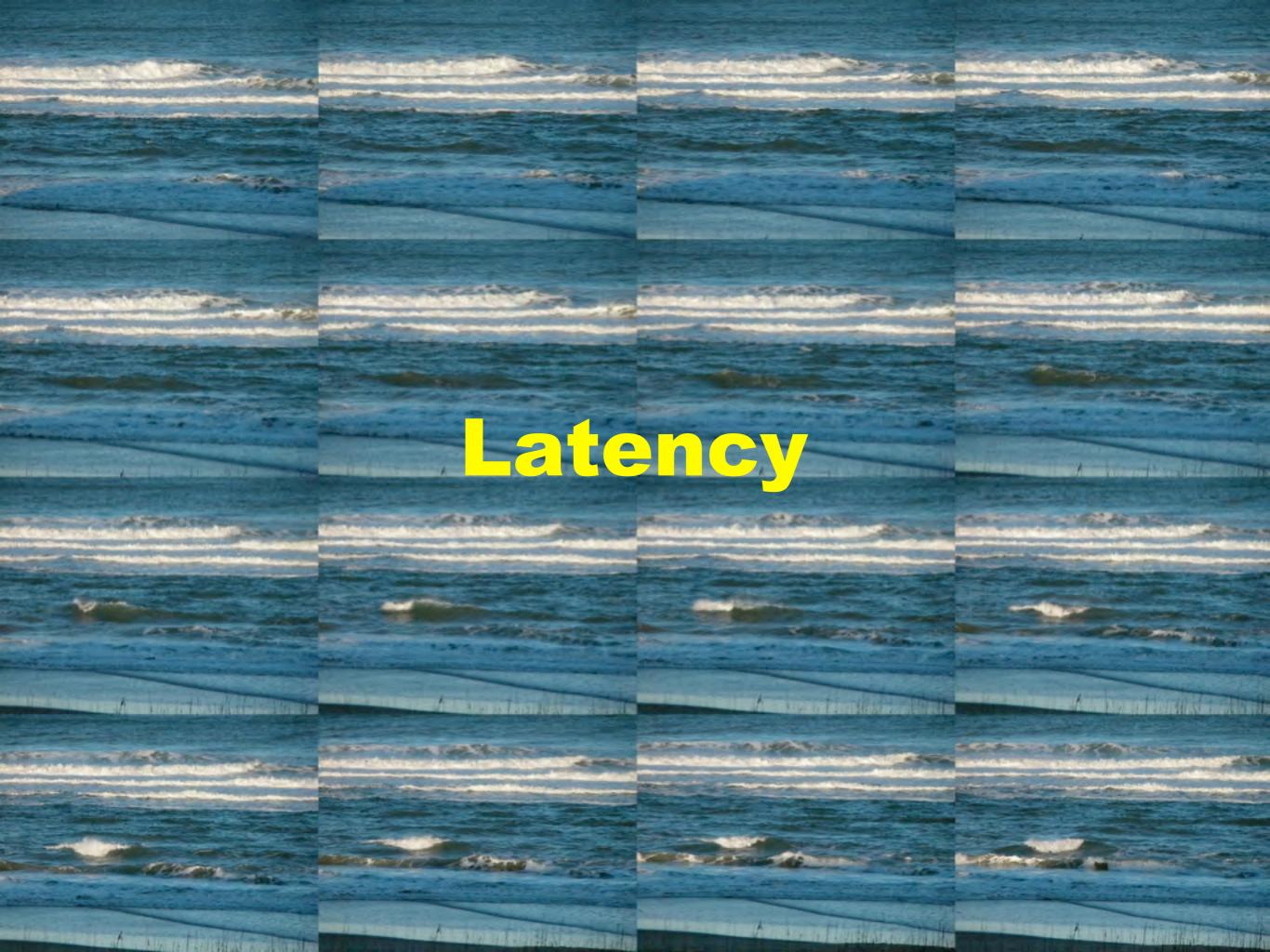
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Stateless Transactions



Stateless Transactions (cont.)

- Not suited for constantly changing information
 - EKG, EEG
 - Ultrasound
 - Navigation, sporting events



Transaction Speed

- Web servers disseminate information -eventually
- Set up to share information equally
- No clear protocol for saying how old the information might be
- Still obstacles to sending video, sound

Transaction Speed (cont.)

- Not suitable for heart rate, blood pressure, temperature (except as trends)
- Touch, taste, smell, emotions are beyond the capabilities of any computer technology.
- No protocol for determining who has greatest need for information
 - Example: Sept. 11 and first responders



World Wide Web of Lies

- Fierce competition on WWW
 - Health consumers shop for surgeons, physicians
 - Health consumers shop for health care advice
 - On the World Wide Web, every page of health care advice has equal standing

World Wide Web of Lies (cont.)

- Inadvertent lies
 - Just as navigation beacons in the wrong place cause accidents....
 - Web pages that can't be found, or that are out of date, or that are misleading can cause problems, too.

Accuracy is complex

- Is it correct?
- Is it complete?
- Is it in context?
- Is it attributed?
- Is it available?
- Is it protected from tampering?



You Can. Should You?

- Post employee schedules on Web sites?
- Post patient appointments on Web sites?
- Post student grades on Web sites?
- Post surgical schedules on Web sites?
- Post insurance information on Web sites?
- Post electronic patient records on Web sites?

Evil. Helpful. Opportunistic

- Crackers break into computers because they can.
- Spies (commercial and government) break into computers because "that's where the data is."
- Employees allow unauthorized access because they are being helpful.

Additional Questions



With the Web, you can tie things together





http://homepage.mac.com/lcharters/sini.pdf

