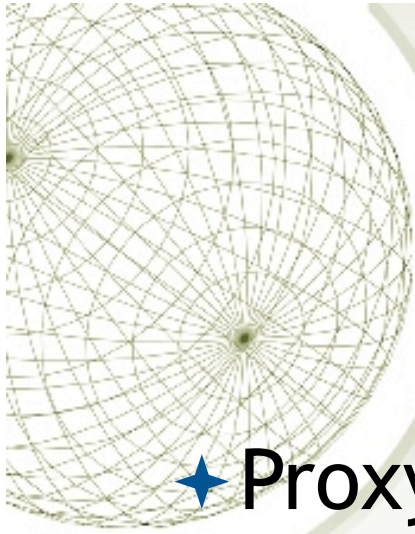


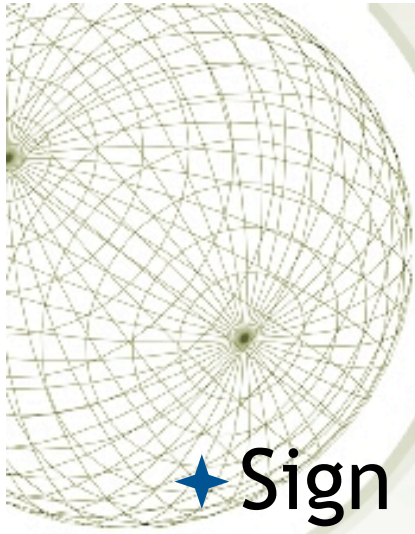
Proxy again, for the last time

Elie Krevat



Outline

- ★ Proxy Lab and Final Exam logistics
- ★ Common Proxy problems (with Q & A)
- ★ TA Reviews
- ★ Final Exam Mini Review
 - ◆ Sample Problem 1: Semaphores
 - ◆ Sample Problem 2: Sockets
 - ◆ Sample Problem 3: Misc. Short Answer



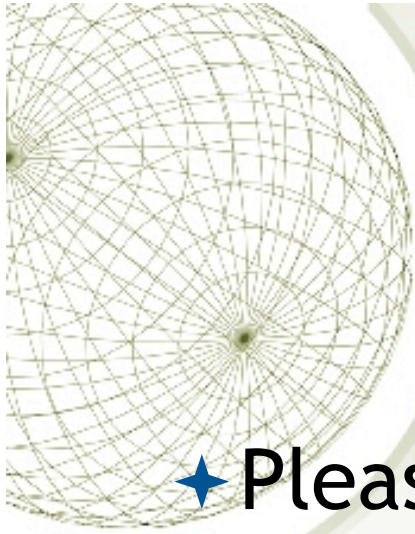
Proxy & Final logistics

- ★ Sign up this week for time slots to demonstrate your proxy
- ★ Last lecture is Tuesday
 - ★ More compiler optimizations
- ★ Final Exam
 - ★ Review Thurs., exam Fri. Dec. 12, 8:30am
 - ★ Comprehensive
 - ★ Slight focus on recent material



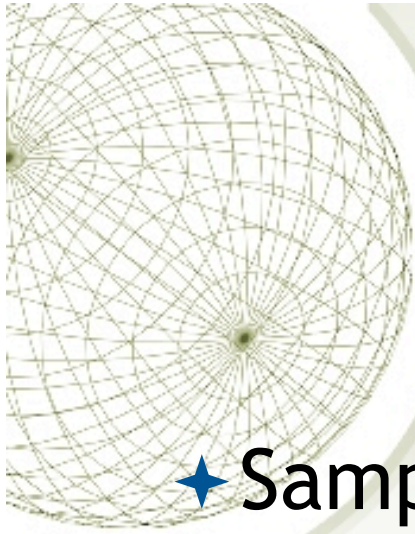
Common Proxy Problems

- ★ Not forwarding all reqs as HTTP/1.0
- ★ Treating server response as text, not binary
- ★ Not ignoring SIGPIPE signals
- ★ Not terminating all lines with “\r\n”
- ★ Not including a host command (2nd line)
- ★ Not terminating req with blank line
- ★ Too much locking
 - ★ Read/Write locks enable conc. read / excl. write
 - ★ See man pages for *pthread_rwlock_init*
 - ★ To compile may need: `#define _GNU_SOURCE`
- ★ Not enough locking (race conditions!)



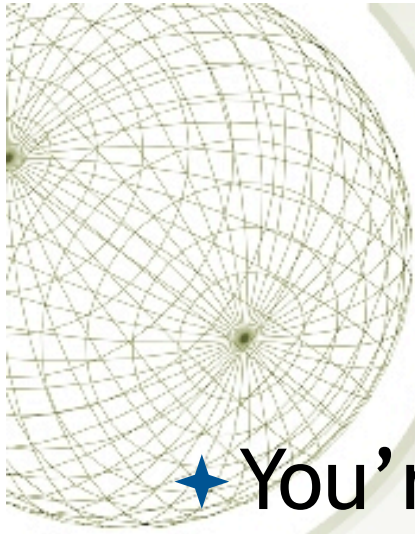
TA Reviews

- ★ Please take 10 minutes to complete a TA evaluation
 - ★ Part of new TA evaluation program
 - ★ Please fill out *both* sides
 - ★ Your feedback is important!
- ★ If done early, you can read ahead
 - ★ Questions 7,9, and 10 from Fall '07 final



Final Exam Mini Review

- ★ Sample Problem 1: Semaphores
 - ★ F07 Final, Problem 9
- ★ Sample Problem 2: Sockets
 - ★ F07 Final, Problem 10
- ★ Sample Problem 3: Misc. Short Answer
 - ★ F07 Final, Problem 7



Good luck on the final!

- ★ You're almost done!
- ★ Come to office hours for more help
- ★ I really enjoyed teaching this course, and I hope you enjoyed it too!
 - ★ Once you get past the final proxy/exam..
 - ★ What doesn't kill us makes us stronger 😊