

Problem Set 3

Due Thursday, June 3

Choose **two** of the following paper pairs. For each pair, write a **half-page or less** discussion of the two papers, and how they relate. For example: What does each paper imply about the other paper's approach? Are they complementary or in conflict? Could you apply the lessons of one paper to the other?

Do not collaborate with other students on this assignment.

L2: "Capriccio: Scalable Threads for Internet Services"	L2: "Flash: An efficient and portable Web server"
L4: "Making the 'Box' Transparent: System Call Performance as a First-Class Result"	L15: "Application performance and flexibility in exokernel systems"
L6: "The Click modular router"	L15: "The Flux OSKit: A Substrate for OS and Language Research"
L8: "Lightweight network support for scalable end-to-end services"	L11: "From Protocol Stack to Protocol Heap – Role-Based Architecture"
L9: "EmStar: a Software Environment for Developing and Deploying Sensor Networks"	L14: "Extensibility, Safety and Performance in the SPIN Operating System"
L10: "Directed diffusion: A scalable and robust communication paradigm for sensor networks"	L12: "TCP Congestion Control with a Misbehaving Receiver"
L10: "The nesC Language: A Holistic Approach to Networked Embedded Systems"	L13: "Checking System Rules Using System-Specific, Programmer-Written Compiler Extensions"