

Network Stack Readings

[Read for Lecture 6] Eddie Kohler, Robert Morris, Benjie Chen, John Jannotti, and M. Frans Kaashoek. “The Click modular router.” In *ACM Transactions on Computer Systems* **18**(3), Aug. 2000. <http://www.pdos.lcs.mit.edu/papers/click:tocsoo/>

[Read for Lecture 7] Eddie Kohler, Robert Morris, and Benjie Chen. “Programming language optimizations for modular router configurations.” In *Proc. ASPLOS ’02*, Oct. 2002. <http://www.pdos.lcs.mit.edu/papers/click:asploso2.pdf>

[Read for Lecture 7] David Mosberger and Larry L. Peterson. “Making paths explicit in the Scout operating system.” In *Proc. 2nd OSDI*, Oct. 1996. <http://www.cs.princeton.edu/nsg/papers/paths-osdi.html>

[Read for Lecture 7] Yitzchak Gottlieb and Larry Peterson. “A Comparative Study of Extensible Routers.” In *Proc. OPENARCH ’02*, June 2002. <http://www.cs.princeton.edu/nsg/papers/routerstudy-openarch.html>

[Lecture 7 background] Tammo Spalink, Scott Karlin, Larry Peterson, and Yitzchak Gottlieb. “Building a Robust Software-Based Router Using Network Processors.” In *Proc. 18th SOSP*, Oct. 2001. <http://www.cs.princeton.edu/nsg/papers/ixp-sosp.html>

[Lecture 7 background] Niraj Shah, William Plishker, and Kurt Keutzer. “NP-Click: A Programming Model for the Intel IXP1200.” In *2nd Workshop on Network Processors (NP-2) at 9th HPCA*, Feb. 2003. http://www-cad.eecs.berkeley.edu/~mescal/publications/shah_np2003.htm

[Read for Lecture 8] David Wetherall. “Active Network Vision and Reality: Lessons from a Capsule-Based System.” In *Proc. 17th SOSP*, Dec. 1999. <http://www.cs.washington.edu/homes/djw/papers/anet-sosp99.pdf>

[Lecture 8 background] David Tennenhouse and David Wetherall. “Towards an Active Network Architecture.” In *Computer Communication Review*, **26**(2), April 1996. <http://www.cs.washington.edu/homes/djw/papers/ccr96.ps>

[Lecture 8 background] Parveen Patel, Andrew Whitaker, David Wetherall, Jay Lepreau, and Tim Stack. “Upgrading Transport Protocols with Untrusted Mobile Code.” In *Proc. 19th SOSP*, Oct. 2003. <http://www.cs.washington.edu/homes/djw/papers/sosp-xtcp-camera.pdf>

[Read for Lecture 8] Kenneth L. Calvert, Jim Griffioen, and Su Wen. “Lightweight network support for scalable end-to-end services.” In *Proc. SIGCOMM 2002*, Aug. 2002. <http://www.acm.org/sigcomm/sigcomm2002/papers/esp.pdf>

[Read for Lecture 8] David Andersen, Deepak Bansal, Dorothy Curtis, Srinivasan Seshan, and Hari Balakrishnan. “System Support for Bandwidth Management and Content Adaptation in Internet Applications.” In *Proc. 4th OSDI*, Oct. 2000. <http://www.angio.net/res/cm-osdi2000.html>