Resource Virtualization

Reading List

Note: We will not read all of these papers in class. The syllabus is the final word on the specific papers that we shall read in class.

Most of these papers are available from the web (use http://www.google.com and http://citeseer.nj.nec.com to find them. I will make photocopies of the older, non-web papers available as needed.)

Why Virtualization?

3. VM/386 (http://www.igcinc.com/vm386.htm)
4. Virtual 8086 mode: http://www.openbg.net/sto/os/xml/v86.html

OS-Level Virtual Machines

19. VM/370: The subject of IBM Systems Journal 18(1), 1979 (9 articles)
21. VMWare, Inc., *Introducing the VMWare Virtual Platform*

**Architectural Issues**


**Emulation**

33. Microsoft Virtual PC for Mac
Language-level Virtual Machines

40. Microsoft .NET/CLR documentation: http://msdn.microsoft.com/netframework/

Virtual Servers

43. Ensim, Inc, Virtual Private Servers
44. Free VSD: http://www.freevsd.org
45. Linux V-server: http://www.linux-vserver.org/
49. J. Dike, A User-mode Port of the Linux Kernel, Linux Showcase and Conference 2000. (see also http://user-mode-linux.sourceforge.net/)

Virtual Devices

53. [assorted unpublished papers]

Virtual Storage / SANs


**Virtual Services**

60. See also papers from the “Why Virtualization” section

**Virtual Networking**

68. X. Jiang, D. Xu, *VIOLIN: Virtual Internetworking on Overlay Infrastructure*, Technical Report CSD TR 03-027, Department of Computer Science, Purdue University.

**Security**


Migration of Virtual Machines


Economies, others