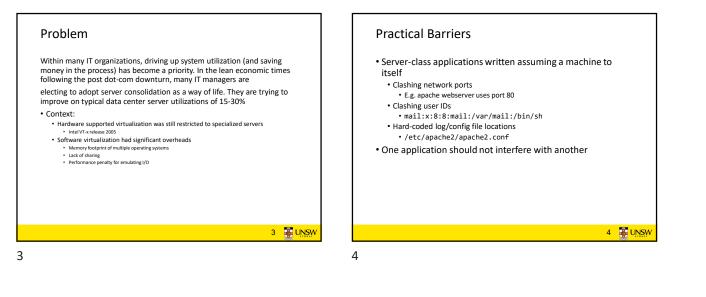
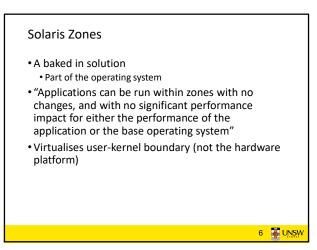


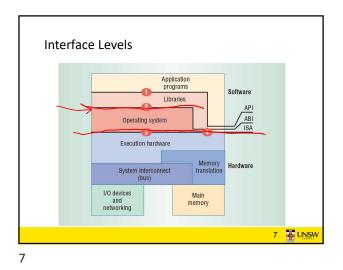
2

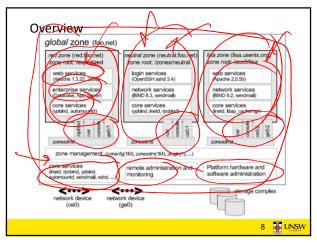


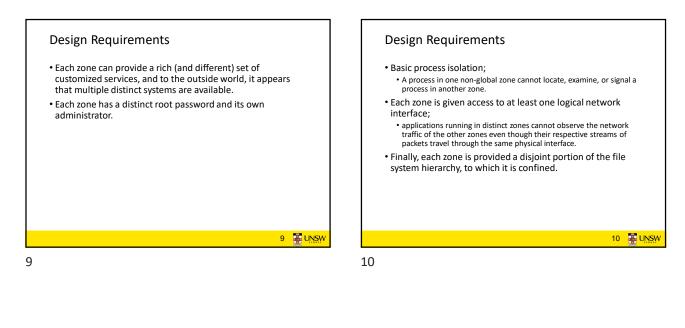
Security Issues • Service runs as 'root' 'root' is the super-user/administrator user id How to run two mutually distrusting applications? • Administration requires root • What about mutually distrusting administrators? • Root for one application environment should be less than root for the machine 5 🐺 UNSW 5

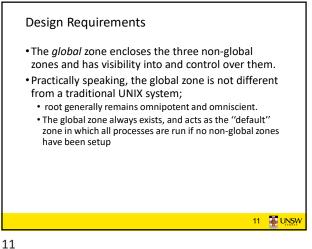


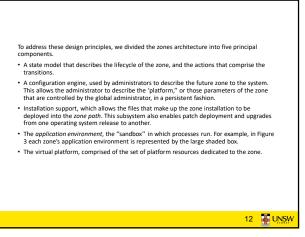




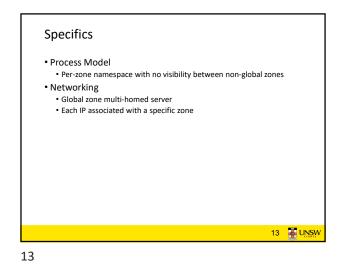


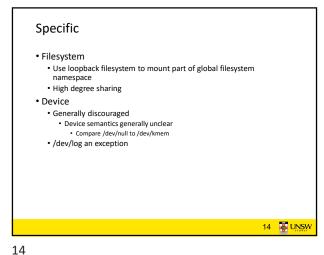




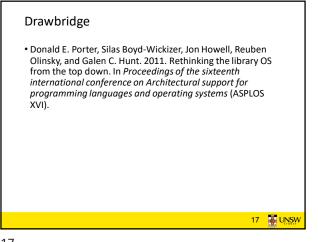


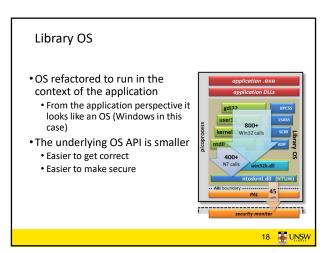






Resource Management Performance • CPU Workload Diff (%) Base Zone Global fair scheduler can schedule zones Java 38.45 38.29 99.6 Scheduler within a zone can further share Time-sharing 22406.51 23332.58 96.0 • Memory still to come 🙂 283.30 Networking 284.24 100.3 38767.62 Database 37928.70 97.8 Figure 7: Performance impact of running in a zone. • Timesharing workload related to loopback file system 15 🐺 UNSW 16 🐺 UNSW 16





15

