A TCPIP Stack for Geekos

By Alper Bilge

LAP Lambert Academic Publishing. Paperback. Book Condition: New. Paperback. 80 pages. Dimensions: 8.7in. x 5.9in. x 0.2in.GeekOS is a tiny and simple operating system that was designed at the University of Maryland to show undergraduate students the fundamentals of operating systems. GeekOS was implemented and extended as a senior project at Anadolu University in 2006, and the new kernel was named OSman. While preserving the basic functionality available in GeekOS, OSman incorporates additional features such as multi-programming support, VESA graphics device driver, and a PCI Device Driver System Base. Despite having many nice features, the current version of OSman lacked crucial networking support. This book includes an implementation of a sample Ethernet device driver (for Realtek RTL8139) and a tandards-compliant, fivelayer TCPIP Protocol stack implementation so that network applications can be deployed on a PC running OSman. A popular client- server network game called tic-tac-toe is implemented to demonstrate the communication between two PCs one running OSman and the other running Windows XP. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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