DESCRIPTION

This revolutionary text and its accompanying CD replace a whole lab full of computer equipment. They give computer science students realistic hands-on experience working with network protocols, without requiring all the routers, switches, hubs, and PCs of an actual network. Using the latest version of the open source program Ethereal, the reader opens packet trace files from the CD and follows the text to perform the exercises, gaining a thorough understanding of the material in the best way possible—by seeing it in action. This approach also benefits the instructor, who is spared the time-consuming tasks of maintaining a laboratory and taking traces. It can even relieve the anxiety system administrators have about students collecting traces on campus networks!

ABOUT THE AUTHOR


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Practicality: Students are able to learn by doing without having to use actual networks, while instructors are freed from the job of collecting the materials.

Flexibility: Has been used successfully with students at the graduate and undergraduate levels. Appropriate for courses regardless of whether the instructor uses a bottom-up or a top-down approach.

Completeness: The exercises take the student from the basics of examining quiet and busy networks—through application, transport, network, and link layers—to the crucial issues of network security.

To purchase this product, please visit https://www.wiley.com/en-us/9780471661863