























# Firewalls and Internet Security

"I wish that Cheswick and Bellovin had written this six years ago. I could have nailed down my system and avoided chasing a spy around the world."

—Cliff Stoll, author of *The Cuckoo's Egg: Tracking a Spy Through the Maze of Computer Espionage*

As a user of the Internet, you are fortunate to be tied into the world's greatest communication and information exchange — but not without a price. As a result of this connection, your computer, your organization's network, and everywhere that network reaches are all vulnerable to potentially disastrous infiltration by hackers.

Written by the AT&T Bell Labs researchers who tracked the infamous "Berferd" hacker and also built the firewall gateway at Bell Labs, *Firewalls and Internet Security* gives you invaluable advice and practical tools for protecting your organization's computers from the very real threat of a hacker attack through the Internet. You will learn how to plan and execute a security strategy that will thwart the most determined and sophisticated of hackers — while still allowing you easy access to Internet services.

In particular, the authors show you a step-by-step plan for setting up a "firewall" gateway — a dedicated computer equipped with safeguards that acts as a single, more easily defended, Internet connection. They even include a description of their most recent gateway, the tools they used to build it, and the hacker attacks they devised to test it.

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**William R. Cheswick** and **Steven M. Bellovin** are both senior researchers at AT&T Bell Laboratories, where they have designed and maintain AT&T's Internet gateway. They have published numerous papers in the field, which have established them as experts on the subject.

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