

Mapping the Internet and Intranets

by Bill Cheswick, Lumeta

Date: March 10, 2005 (Thursday)
Time: 6:15 pm (refreshment starts at 6:00 pm)
Place: 202 ECEC, NJIT

About the Speaker

Ches has been out and about in the Internet security field since the late 1980s. He is known for his early work in firewalls and proxies at Bell Labs, and for the book he has co-authored with Steve Bellovin and now Avi Rubin.

In summer 2000 Ches helped spin off the Internet cartography work he did at Bell Labs with Hal Burch into a startup, Lumeta Corporation, which explores the extent and perimeter hosts of corporate and government intranets.

He sent his first packets out on the Internet from a Sun workstation at NJIT, where he managed the academic computing department in the computer center.

About the Talk

Hal Burch and I started the Internet Mapping Project in the summer of 1998 to try to collect long-term, consistent topological information about the "center" of the Internet. We have recorded the output of hundreds of thousands of traceroutes daily, and have accumulated a database of Internet paths.

In 2000, we spun off from Bell Labs to a company named Lumeta to explore corporate and government intranets. In addition to the traceroute techniques, we use packet spoofing and SNMP queries to detect potential leaks in perimeter defenses. We now have more than 70 clients with large intranets, and can provide some summary information about the state of intranets today.

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