



Chapter 12: Anatomy of an Attack

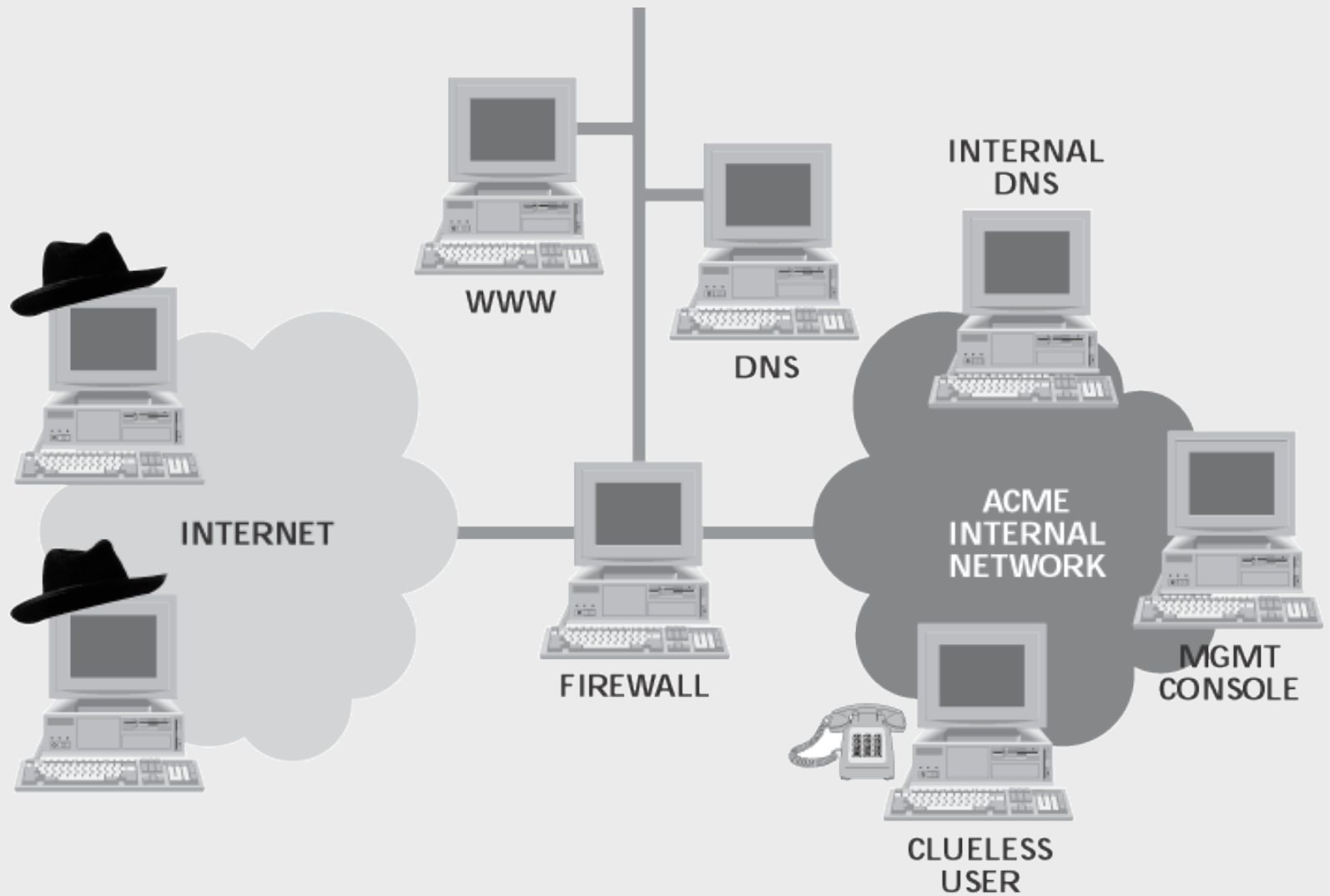


Figure 12.1
Network Architecture of Acme Widgets

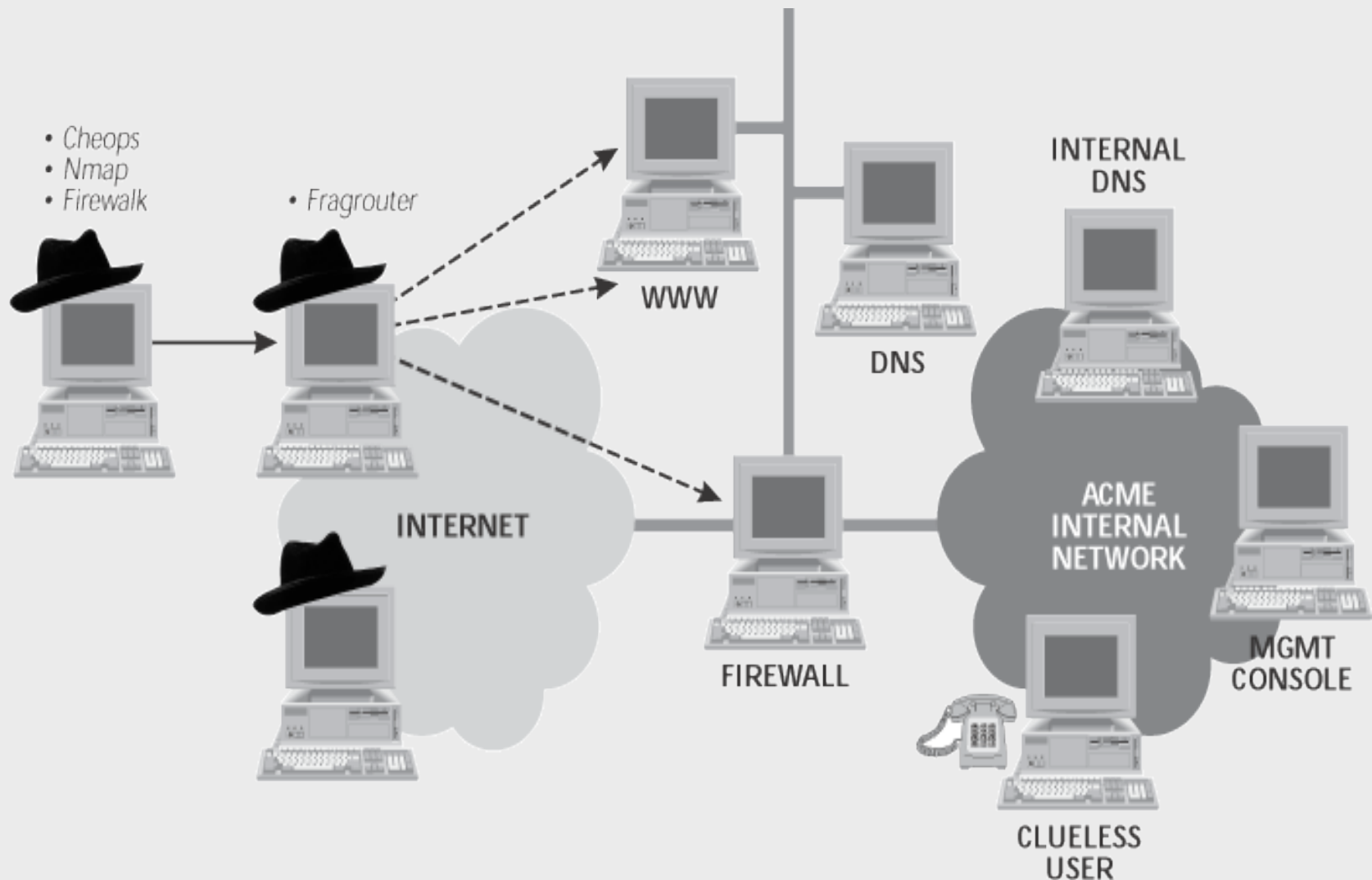


Figure 12.2
Let the scanning begin!

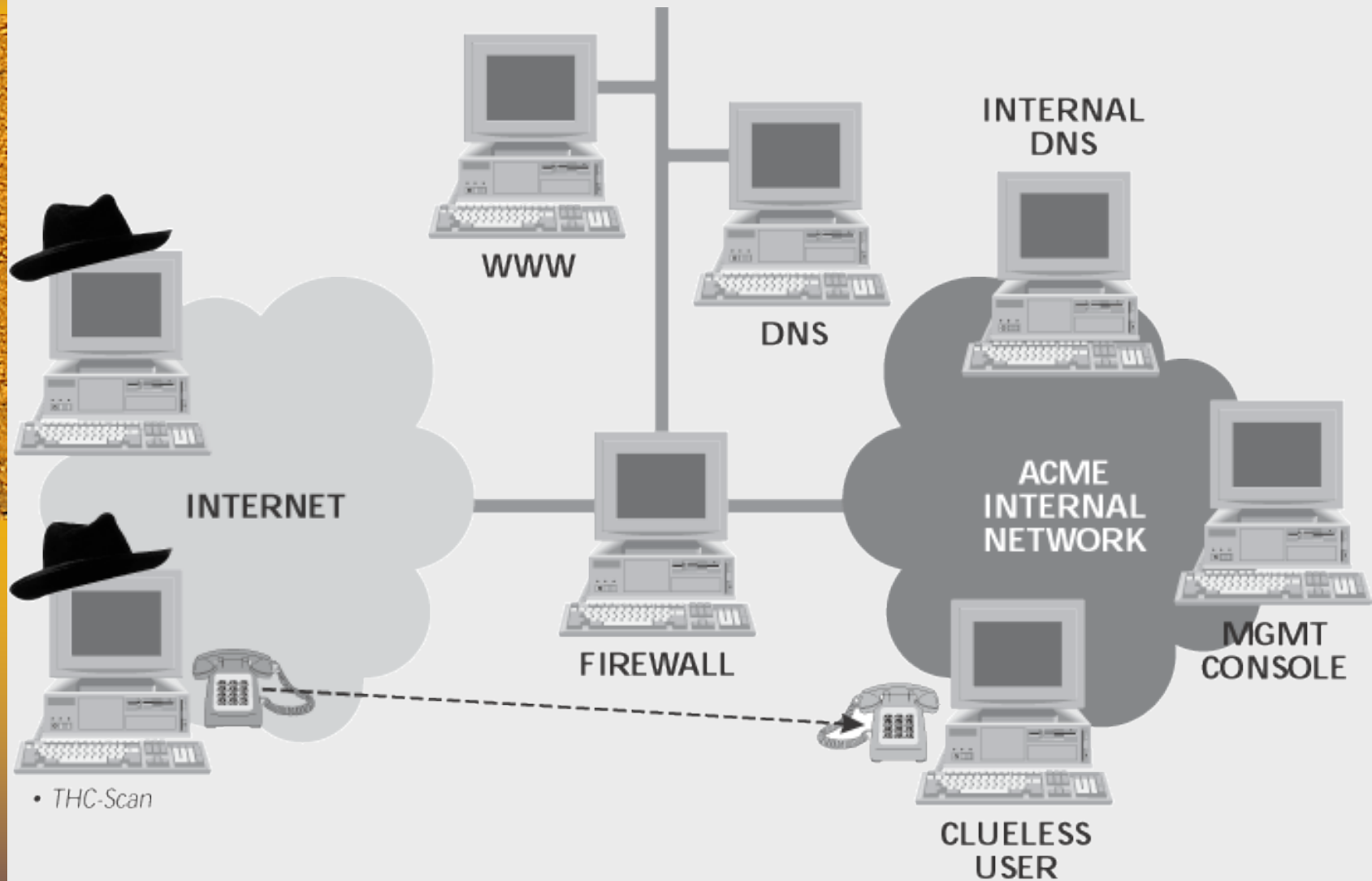


Figure 12.3
War dialing success

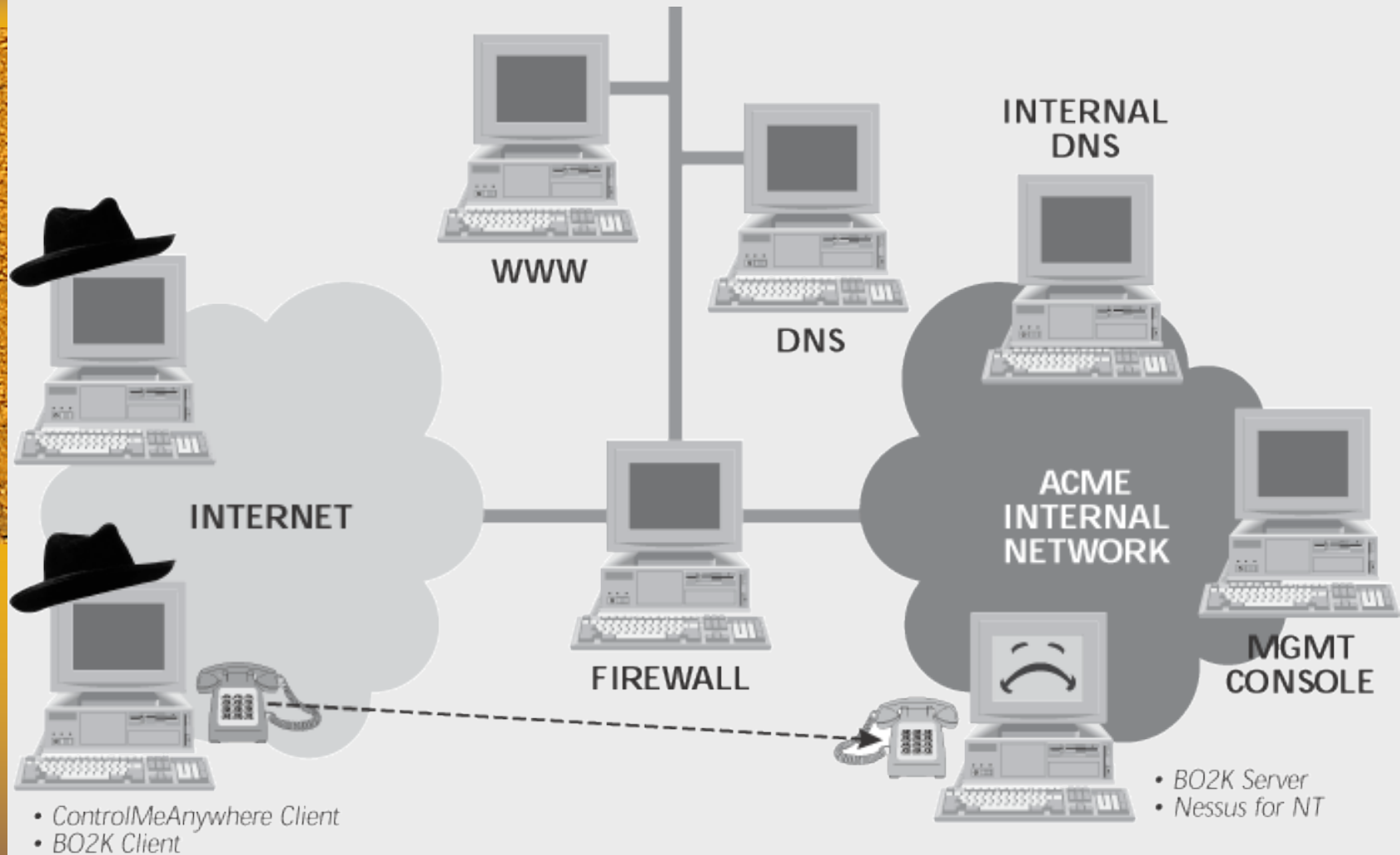


Figure 12.4
Darth installs a B02K backdoor and Nessus

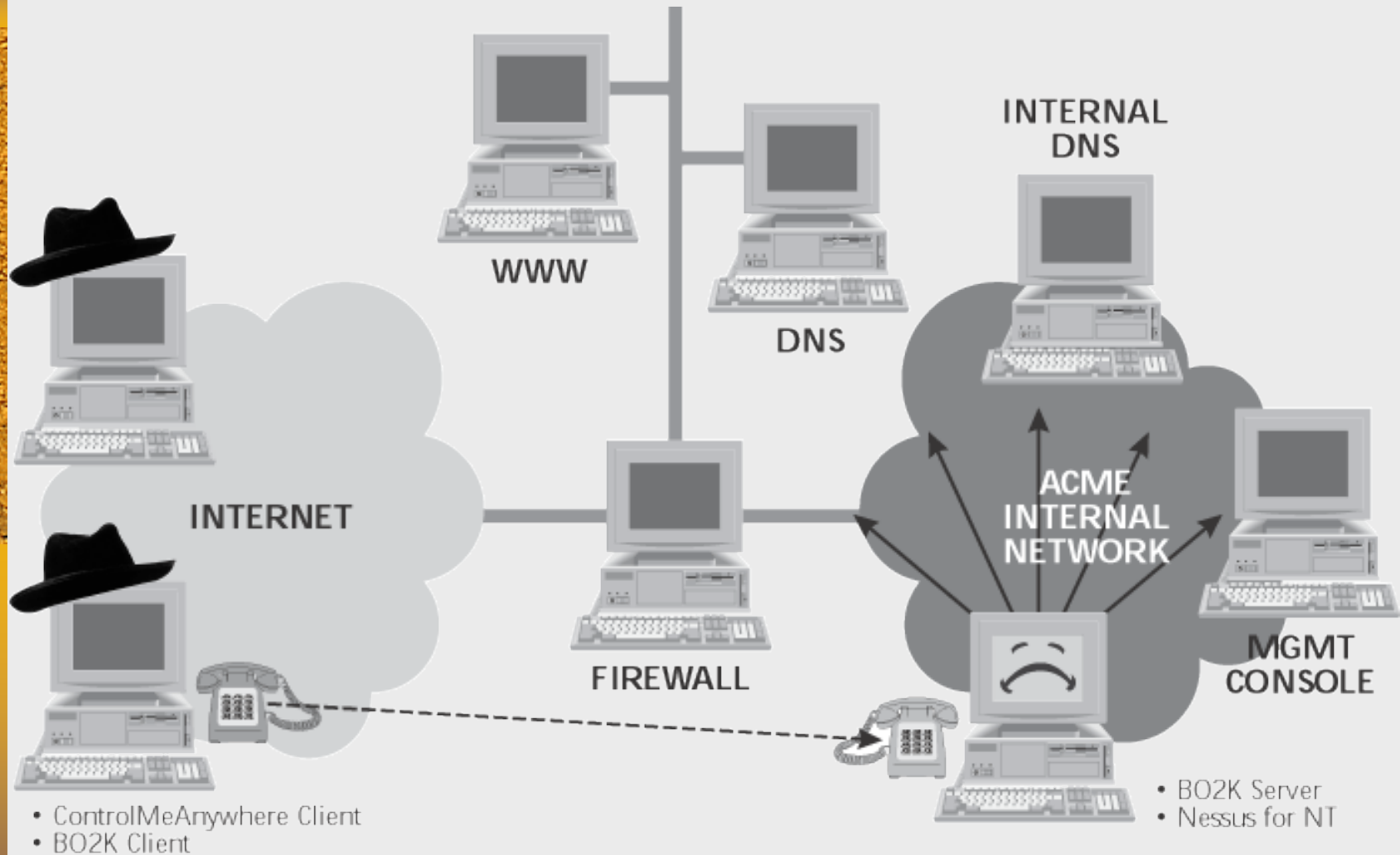


Figure 12.5
Scanning the internal network using Nessus

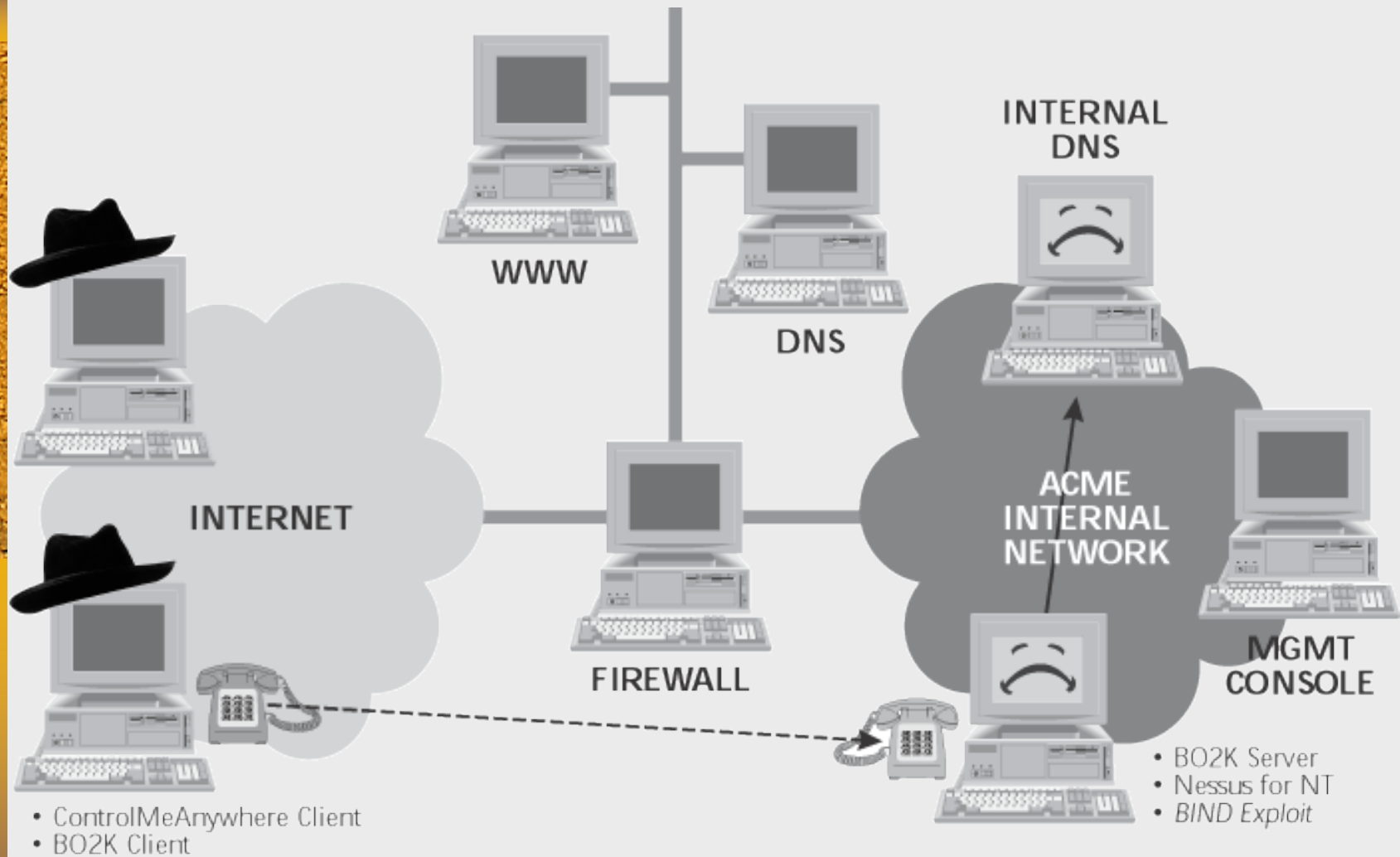


Figure 12.6
Taking over the internal DNS server

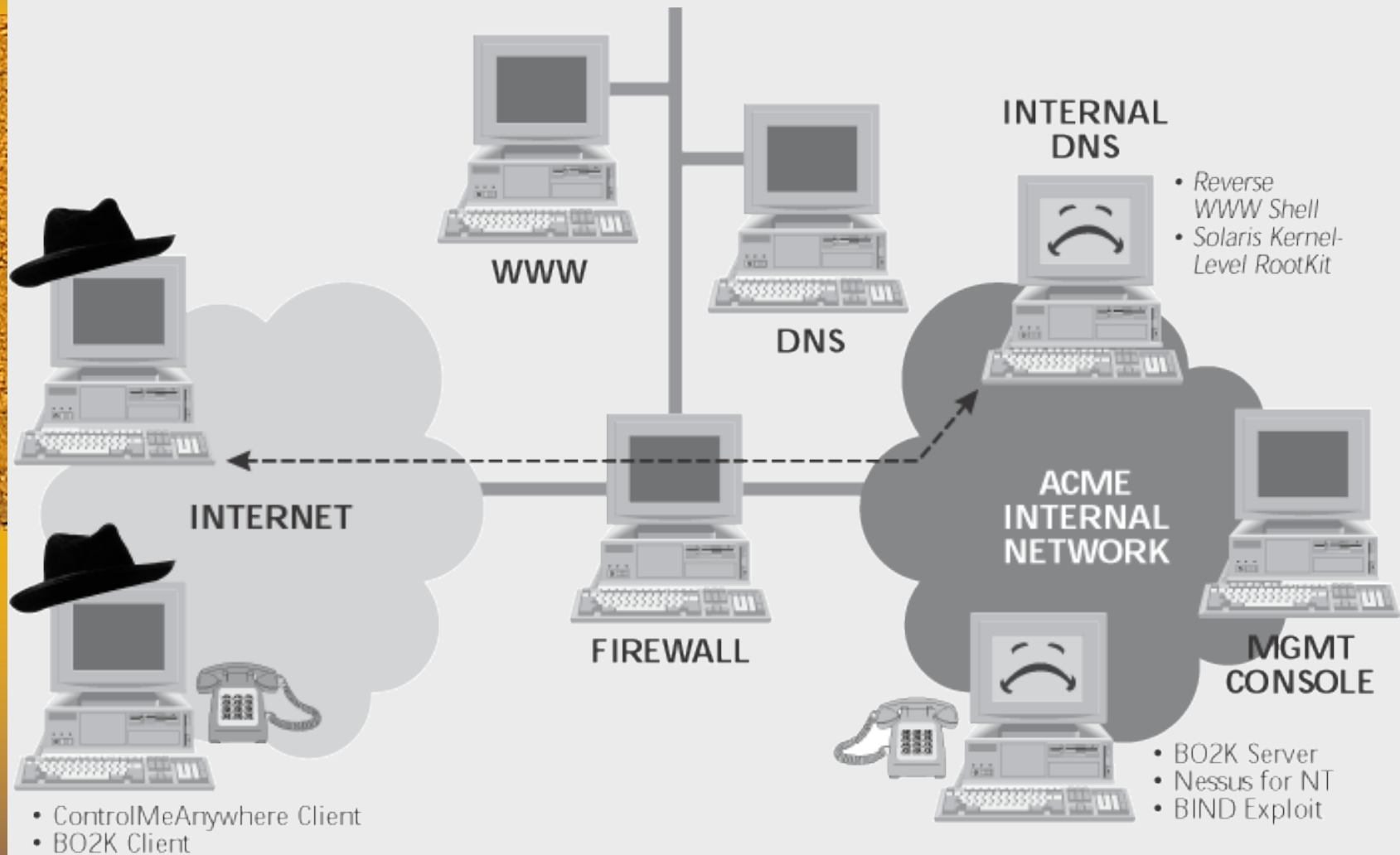


Figure 12.7
Using Reverse WWW Shell for access

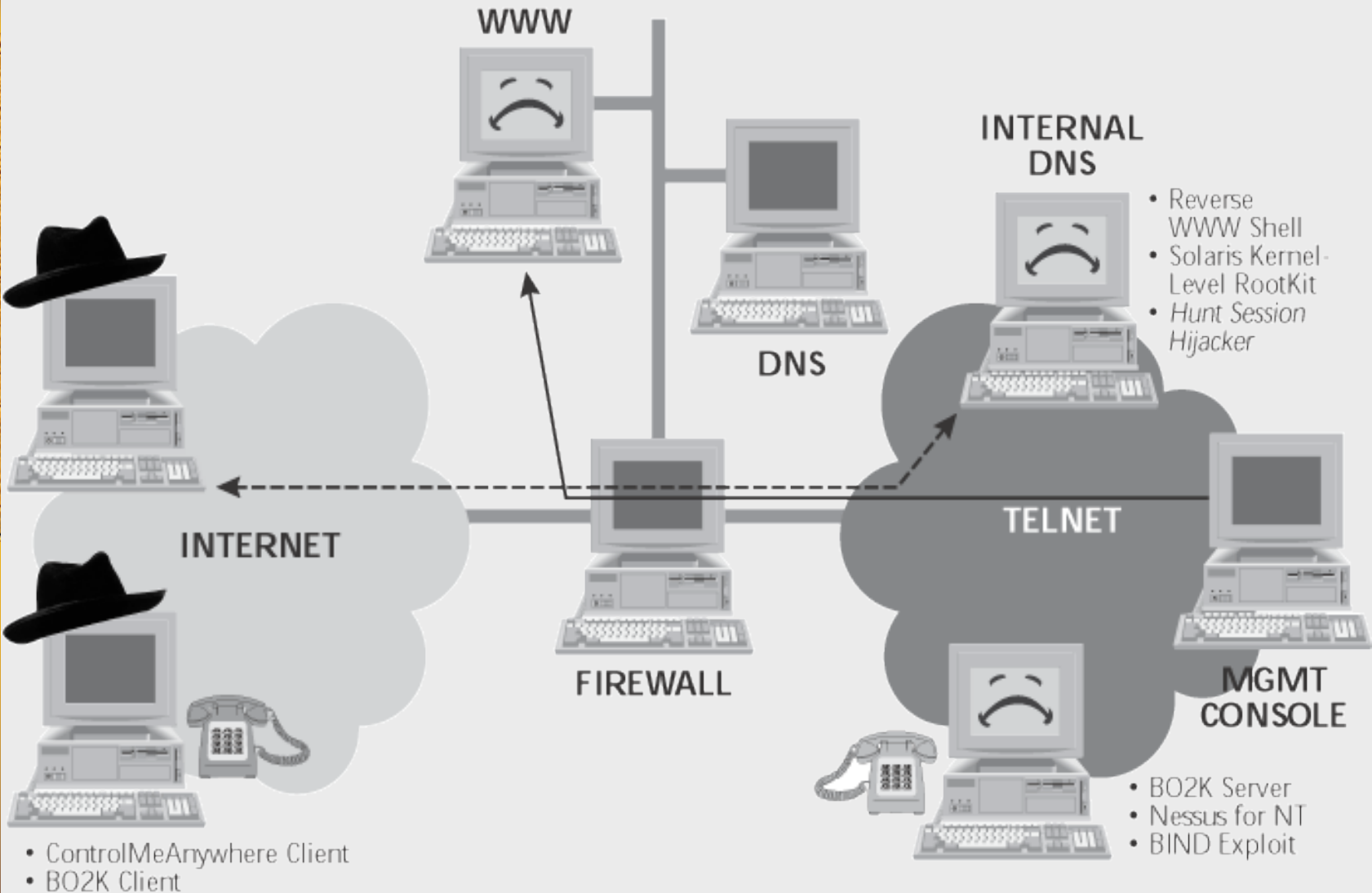


Figure 12.8 Hijacking a telnet session to the Web server with root privileges

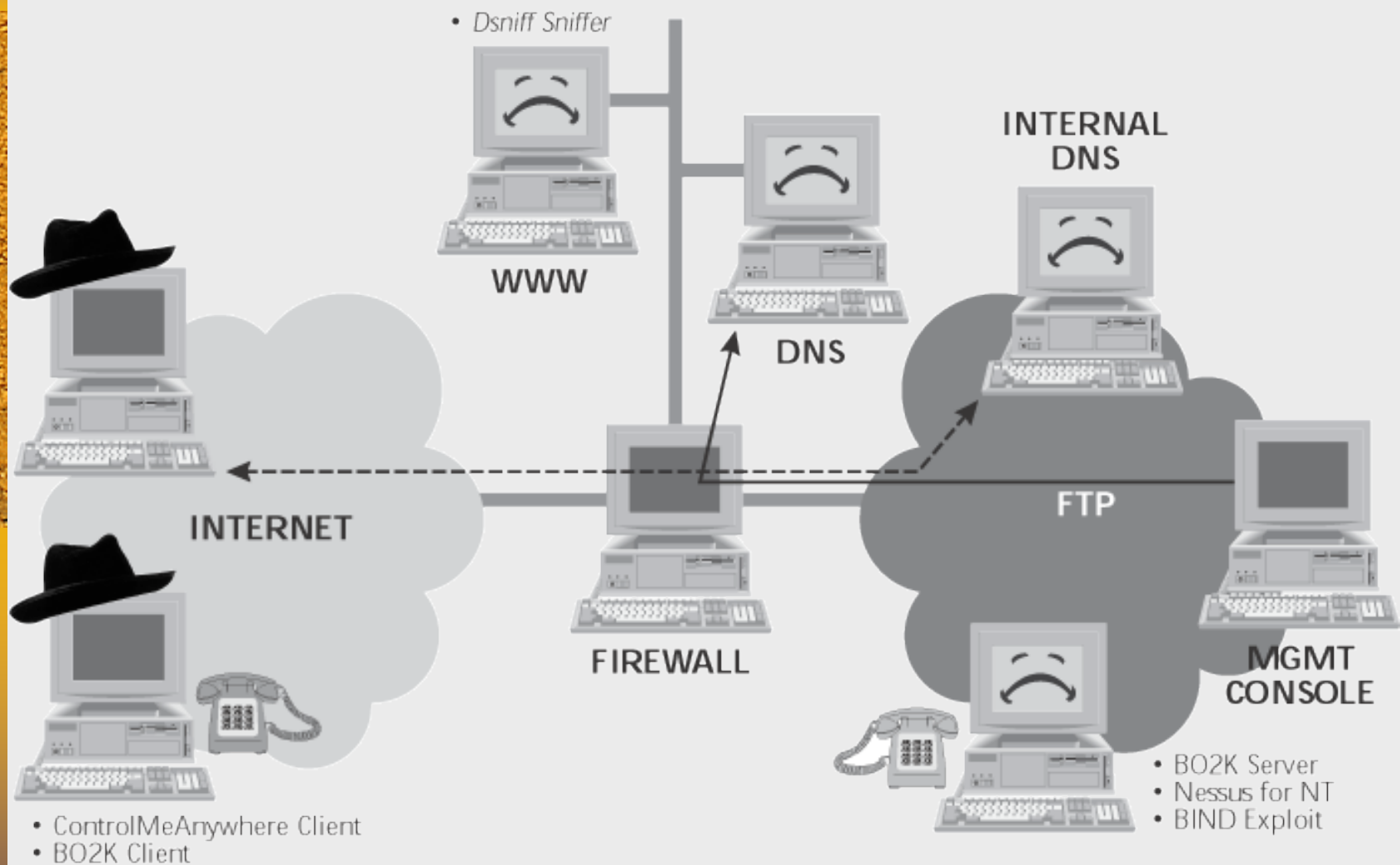


Figure 12.9 Sniffing the external DNS server's password via Dsniff

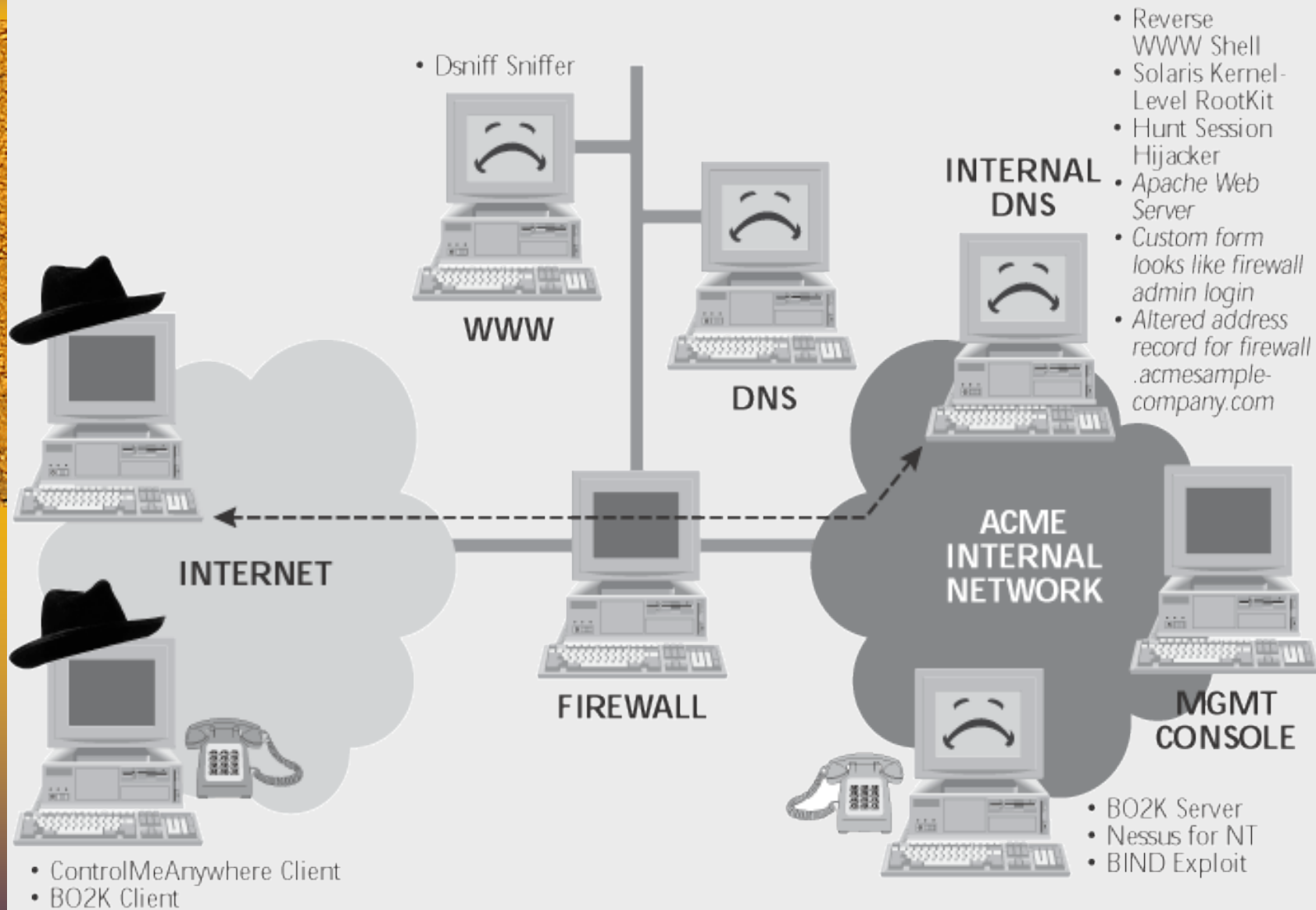


Figure 12.10 Darth's trap

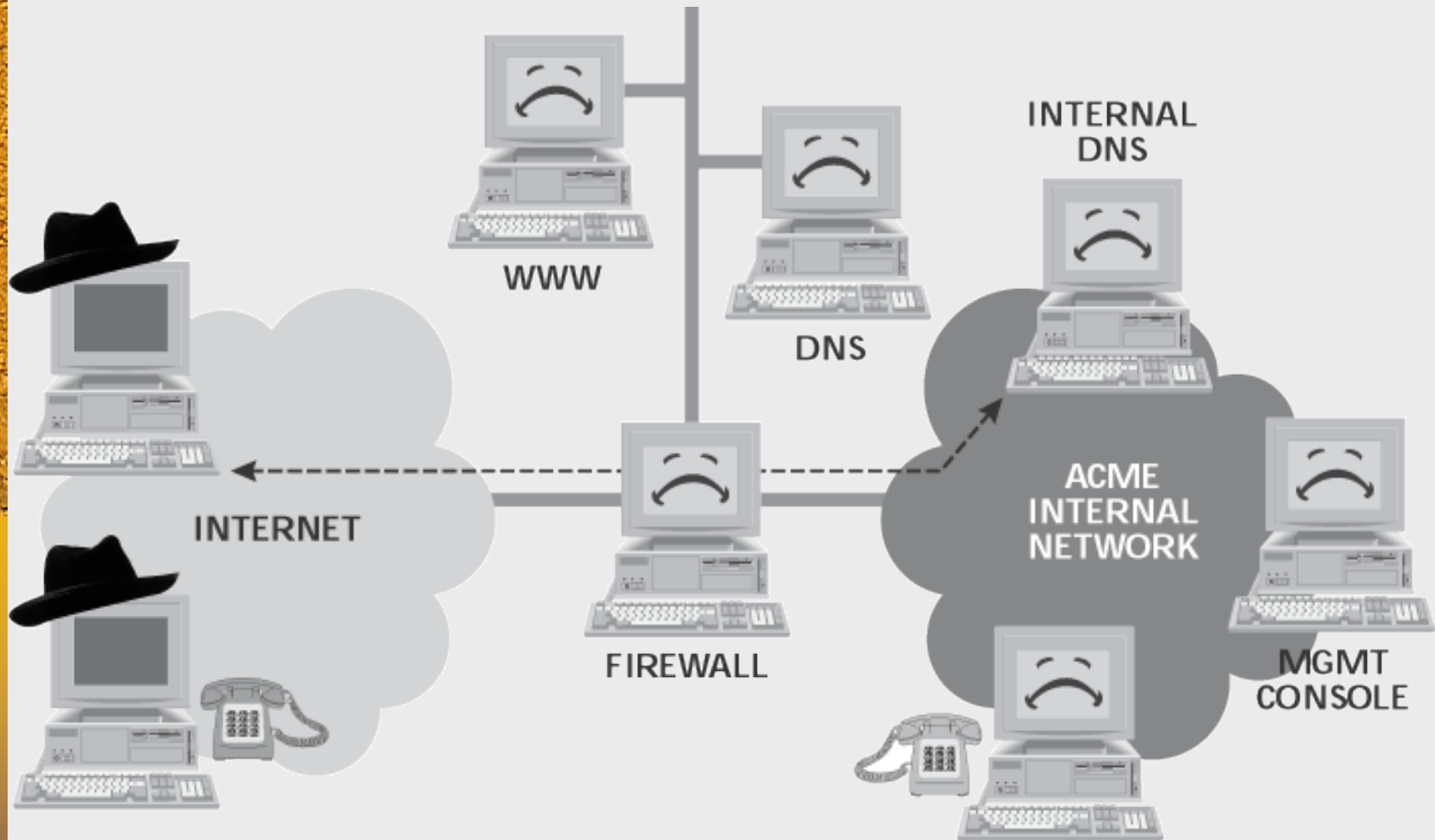


Figure 12.11 Game over!

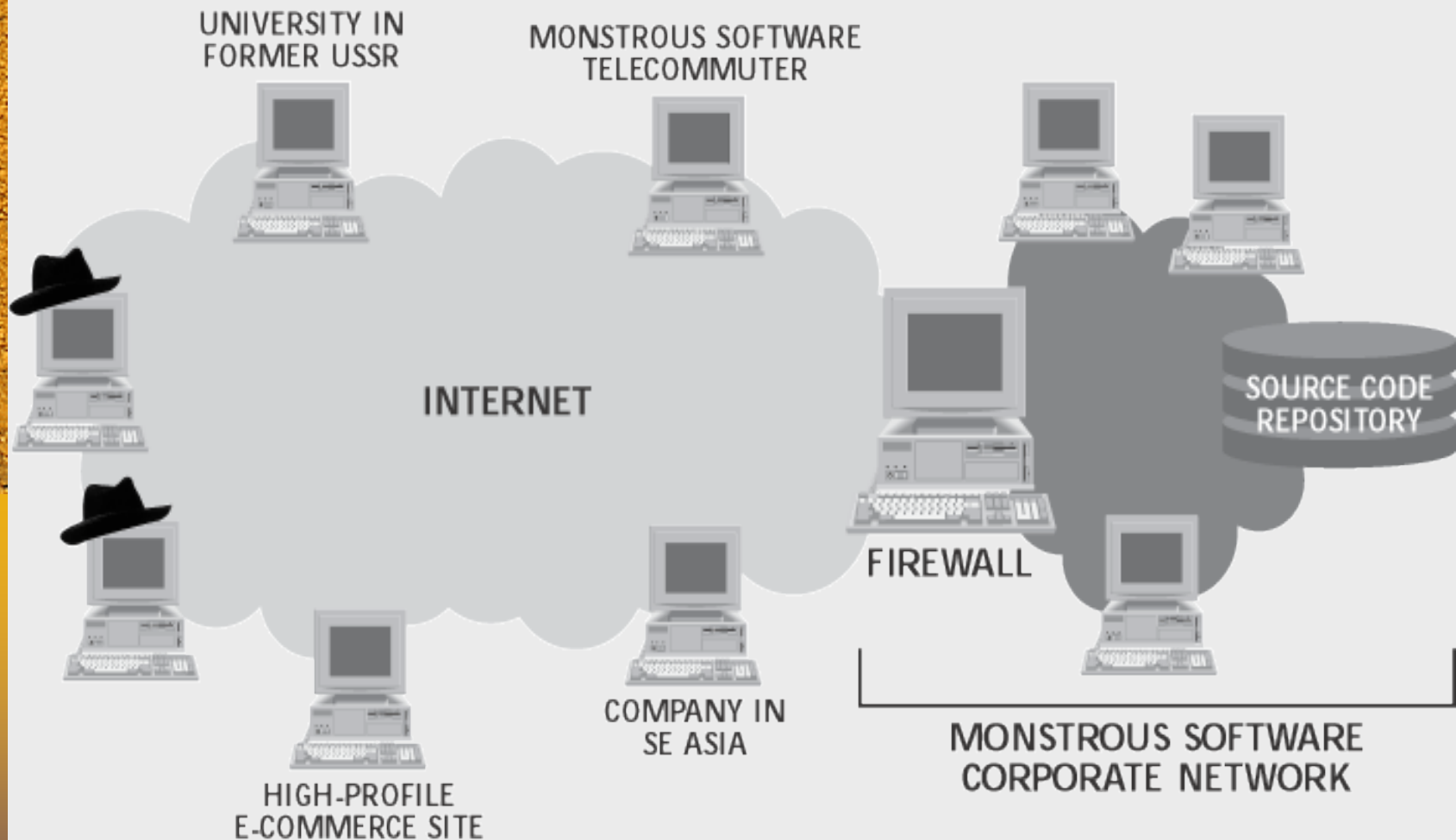


Figure 12.12 An attack against Monstrous Software to obtain FooBar source code

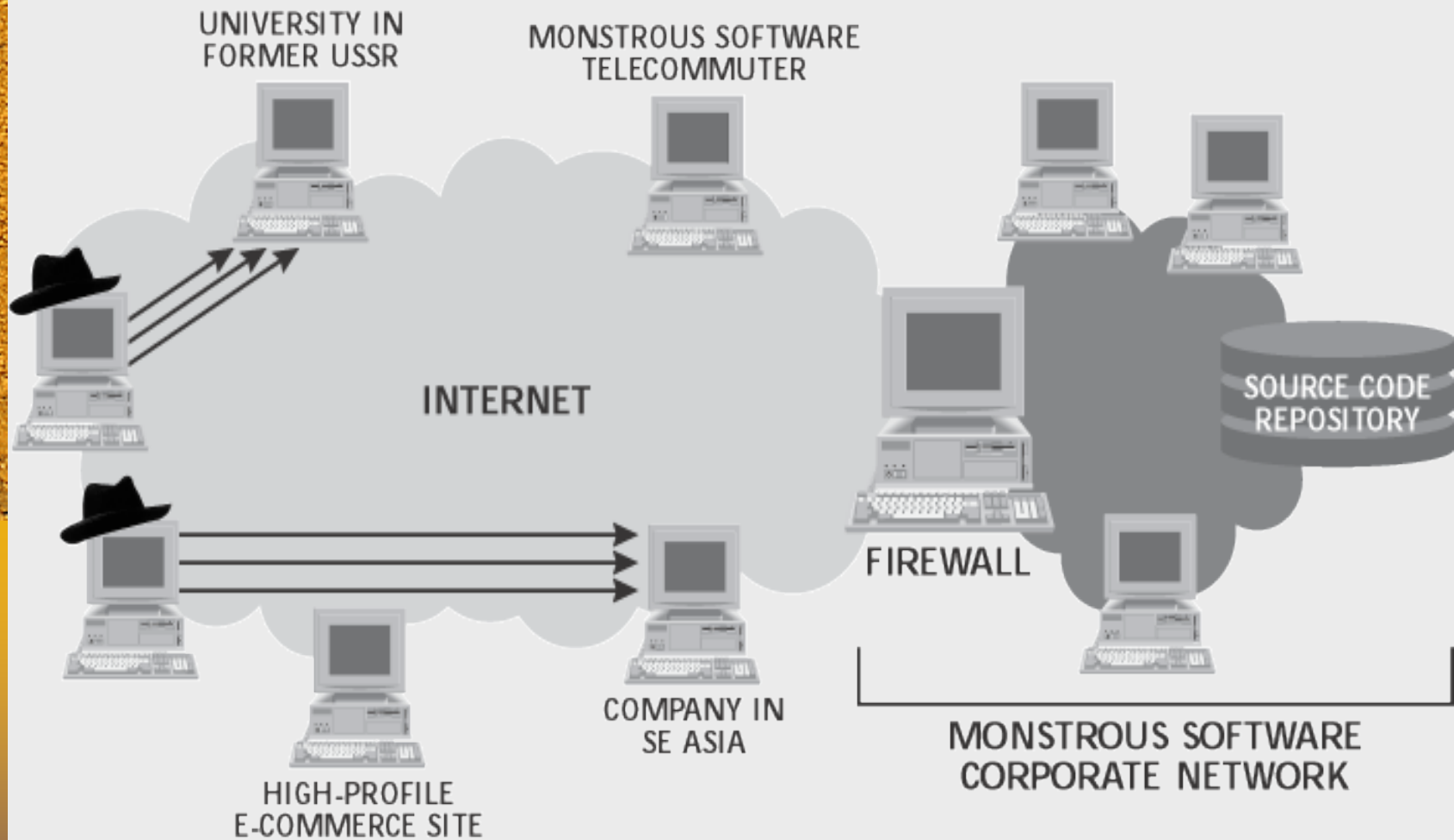


Figure 12.13 Nessus Scanning for some weak jump-off points around the world

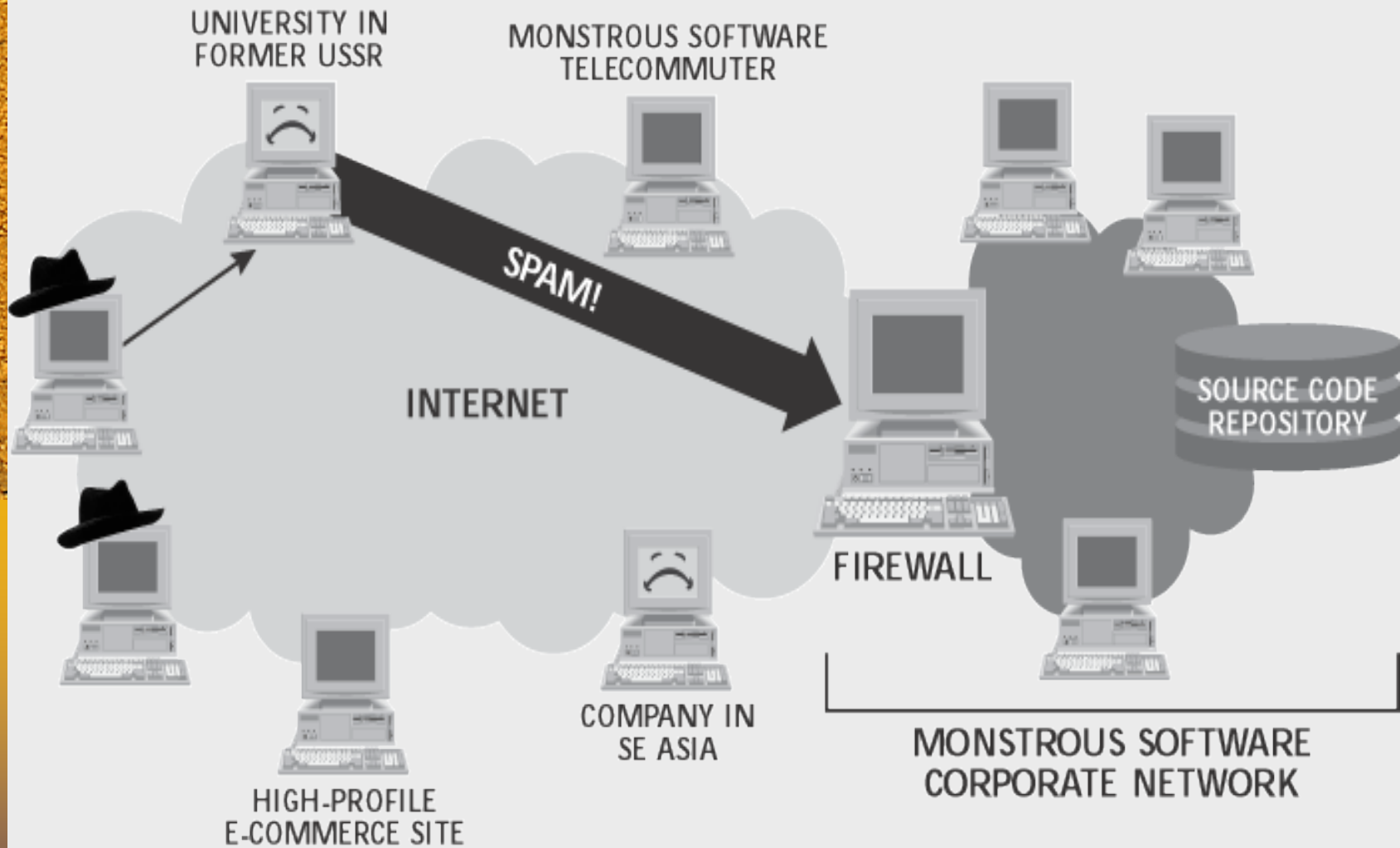


Figure 12.14 Sending email spam with an enticing offer (game with trojan horse backdoor program created via wrapper)

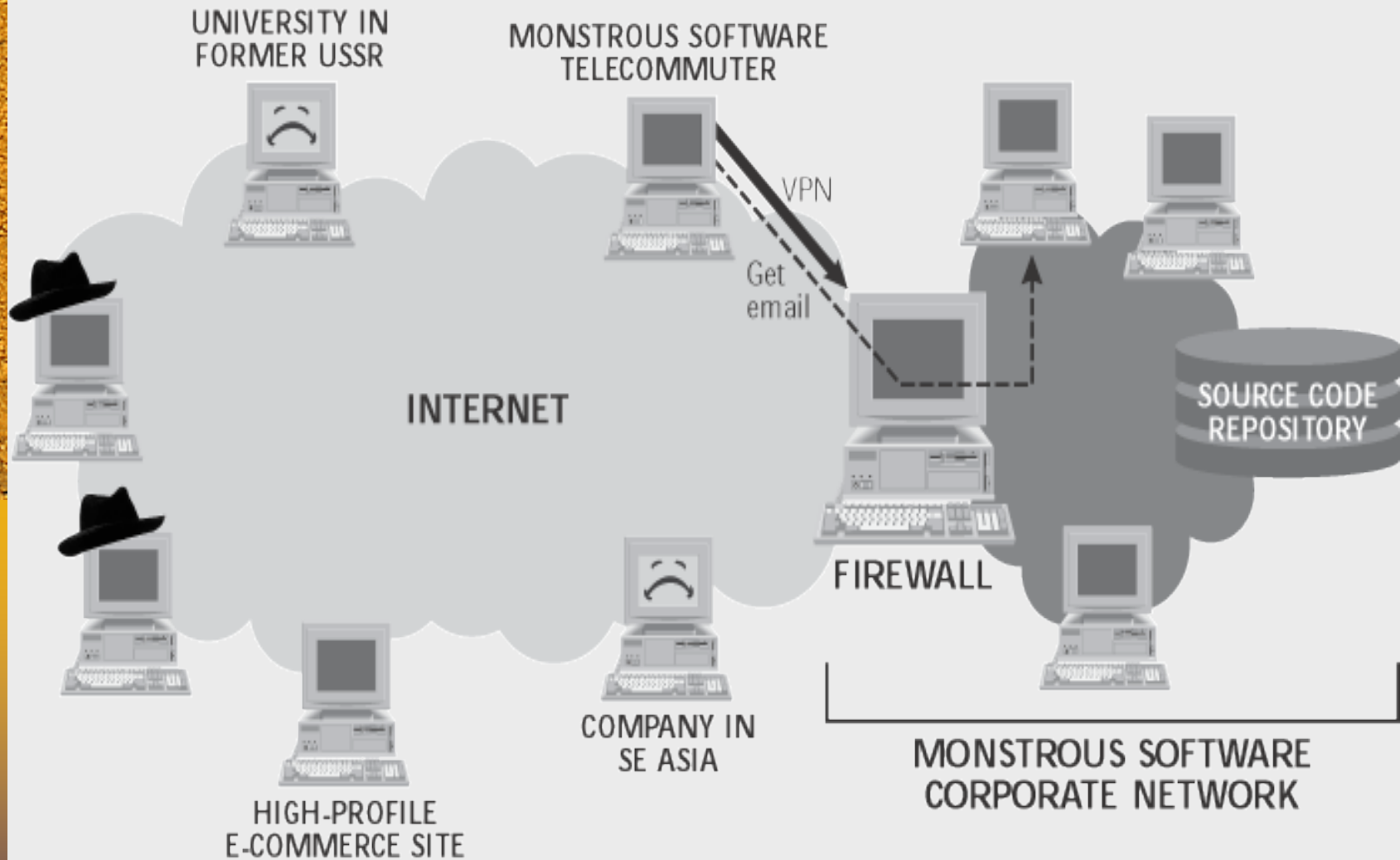


Figure 12.15 Telecommuter downloads her email

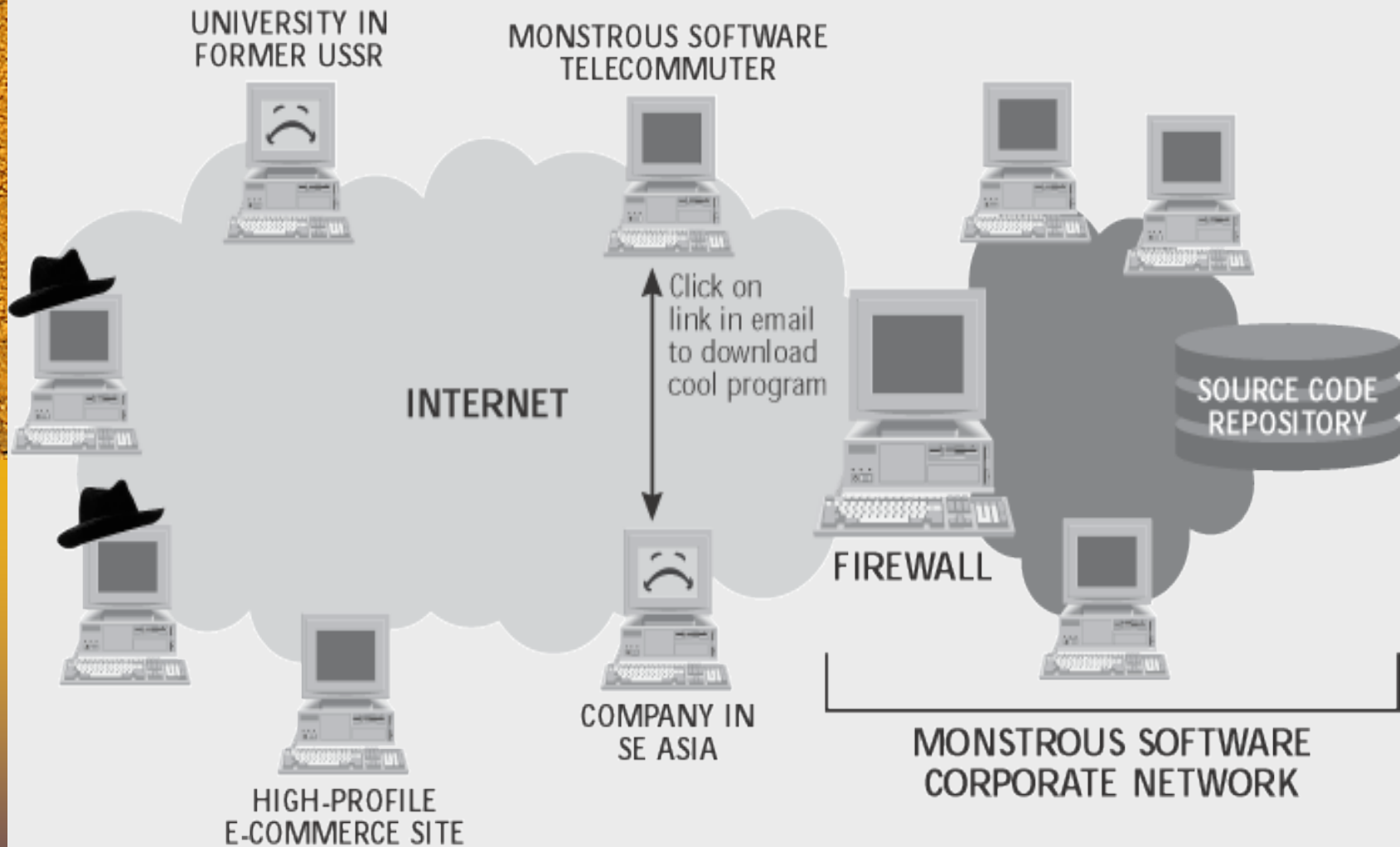


Figure 12.16 Telecommuter takes the bait

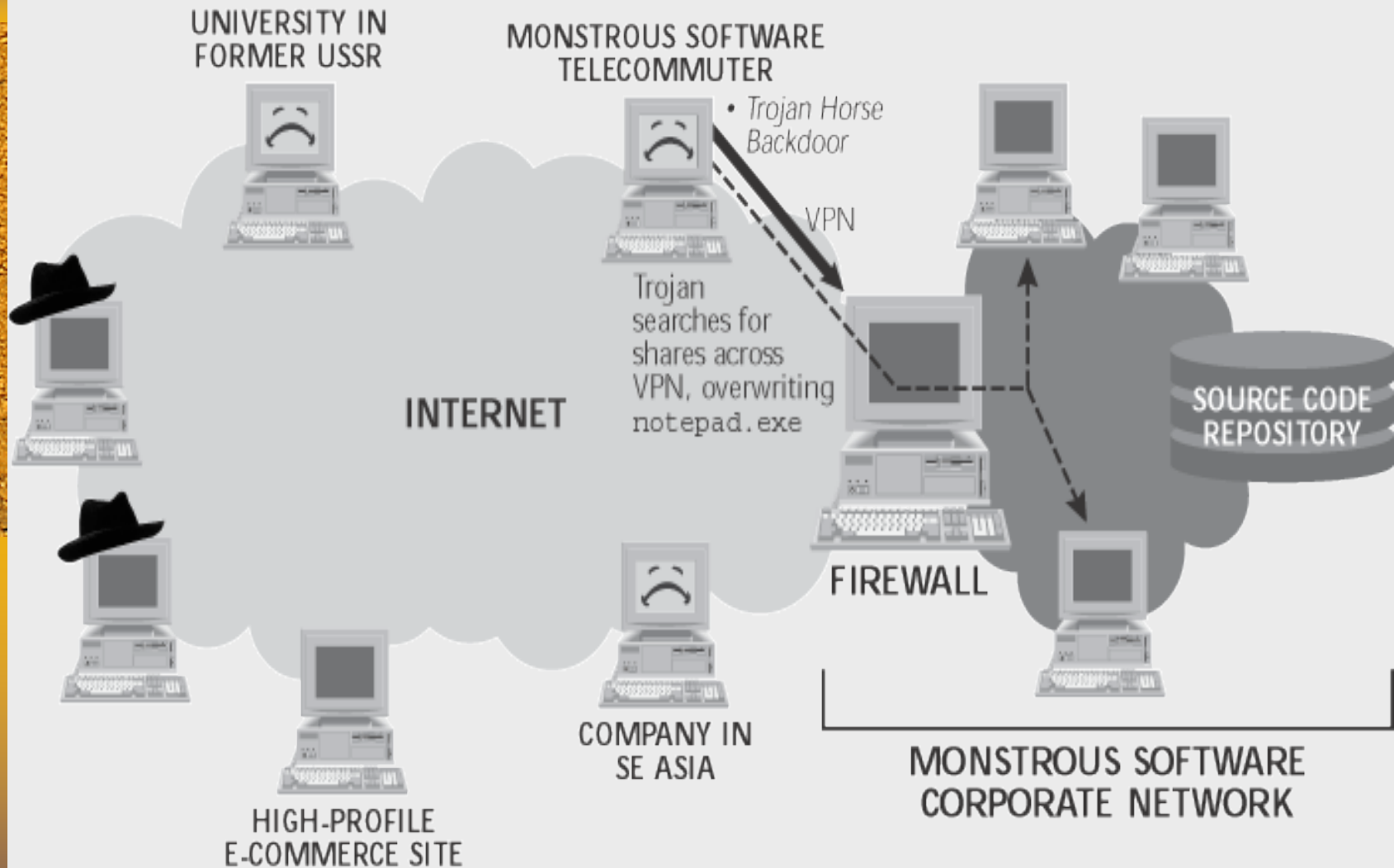


Figure 12.17 When the telecommuter uses the VPN again, the Trojan horse backdoor searches for mountable shares on the Monstrous corporate network

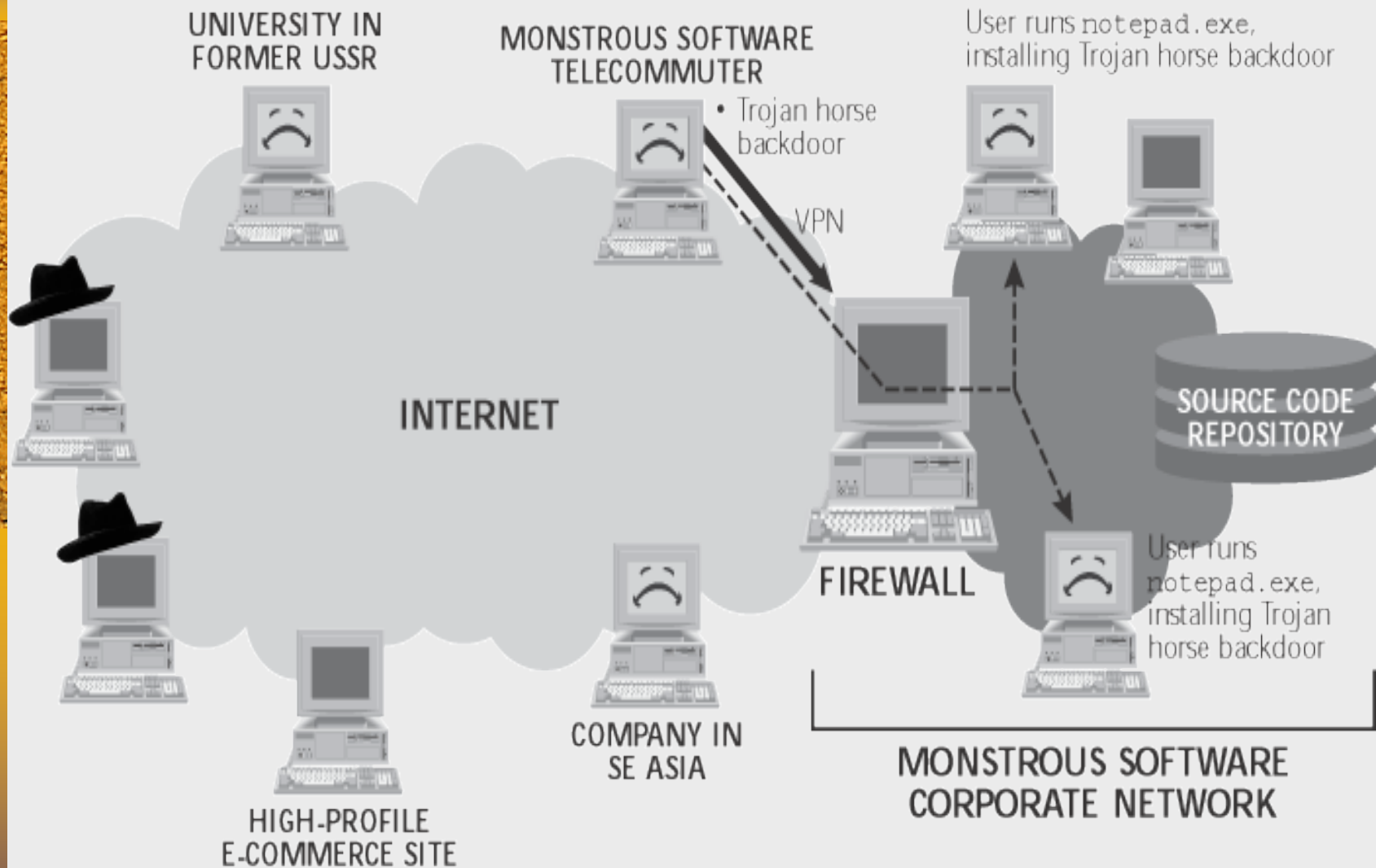


Figure 12.18 When users on the corporate network run notepad.exe, the Trojan horse is installed

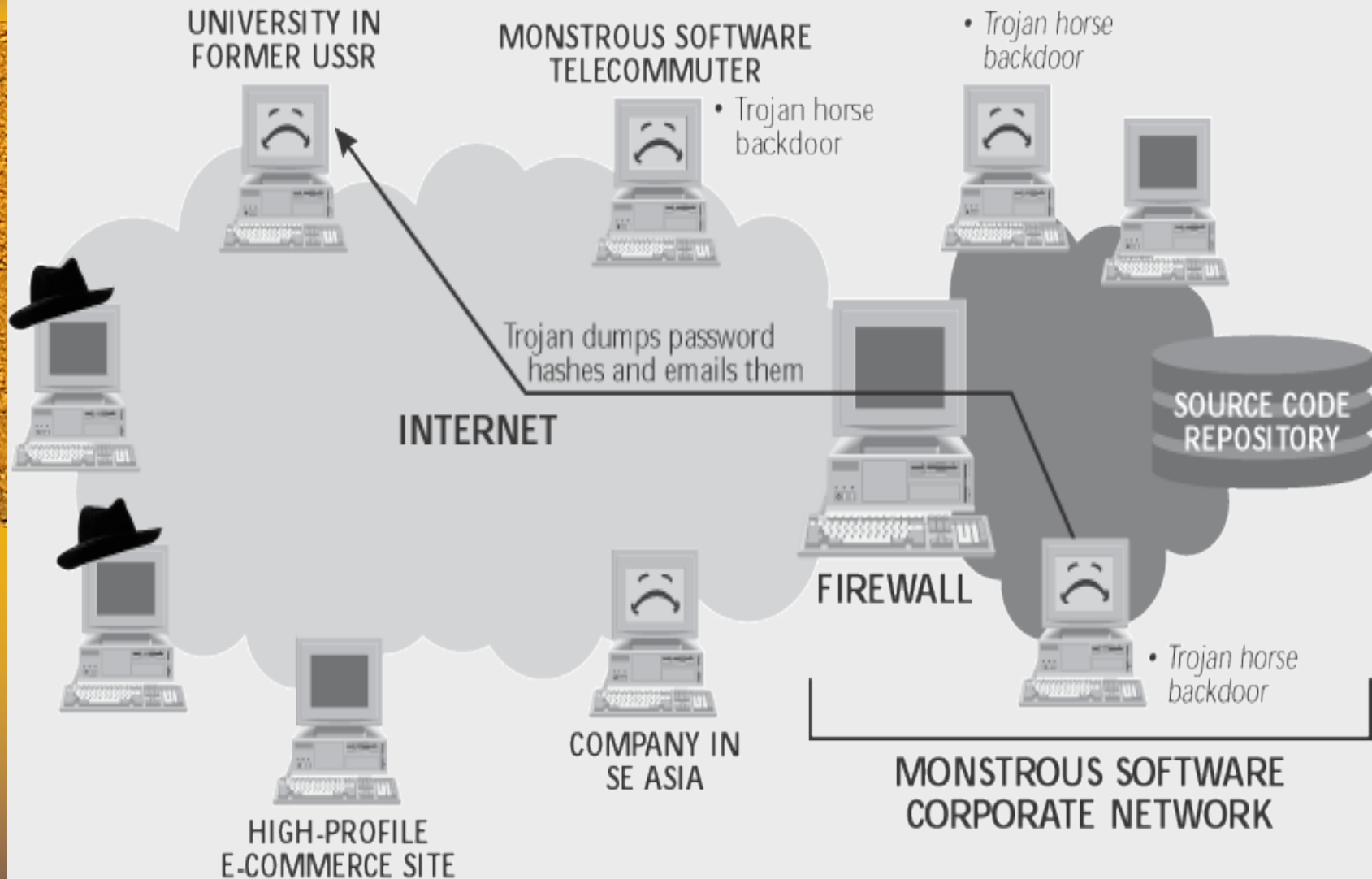


Figure 12.19 The Trojan horse dumps password hashes and emails them across the Internet

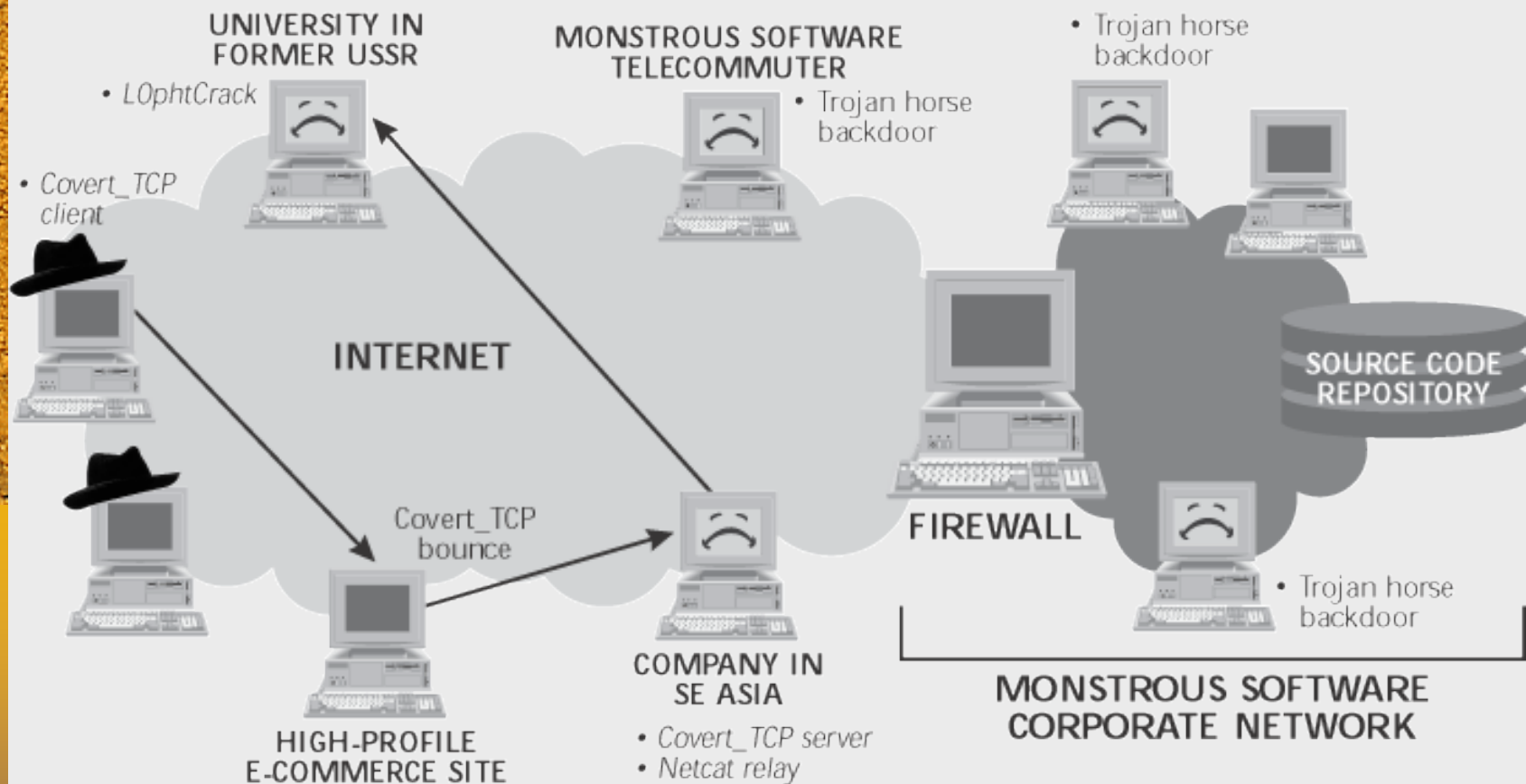


Figure 12.20 The attackers crack the passwords through three levels of indirection

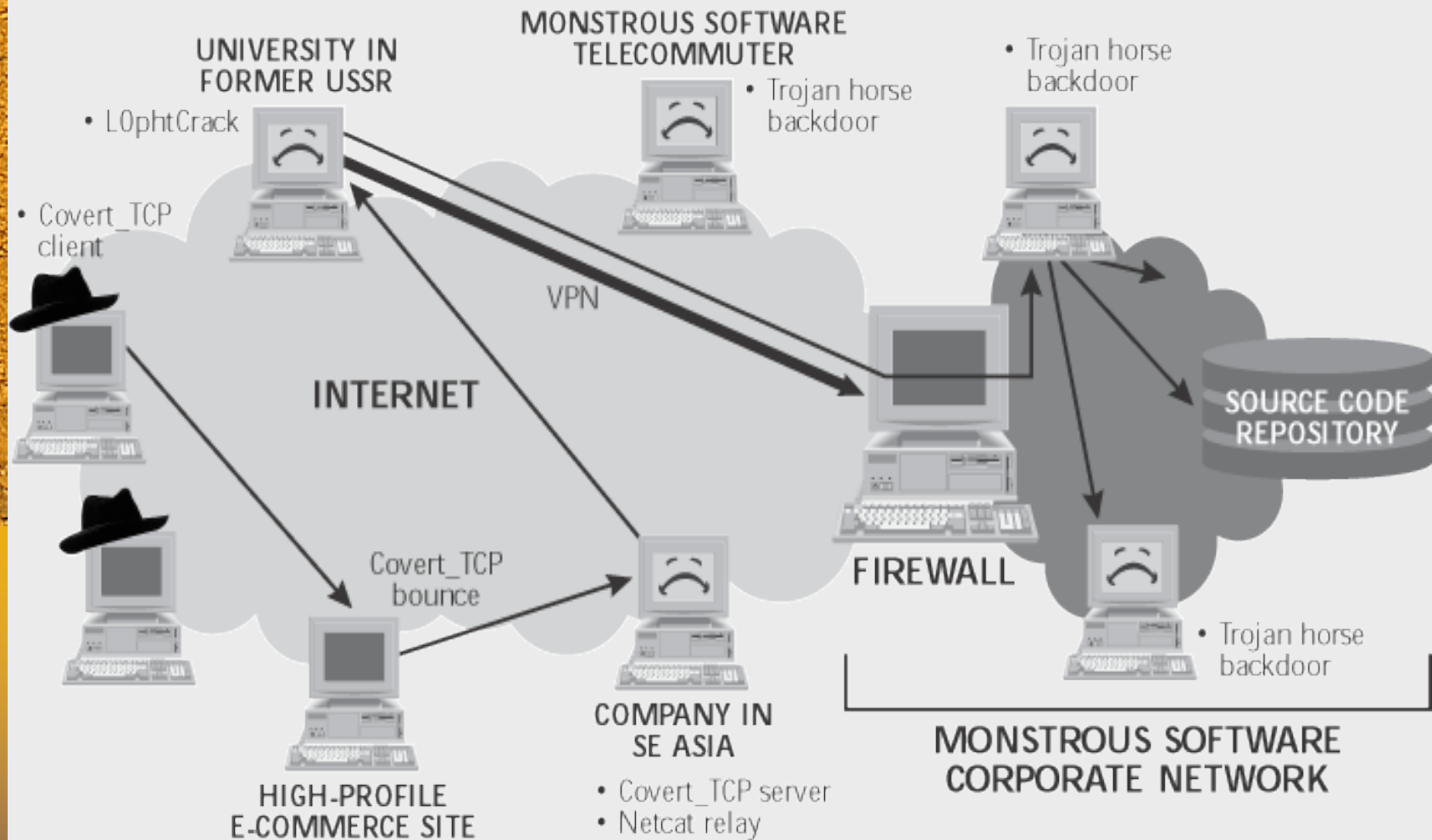


Figure 12.21 The attackers set up a VPN connection using the stolen passwords, and remotely control the Trojan horse on the internal network

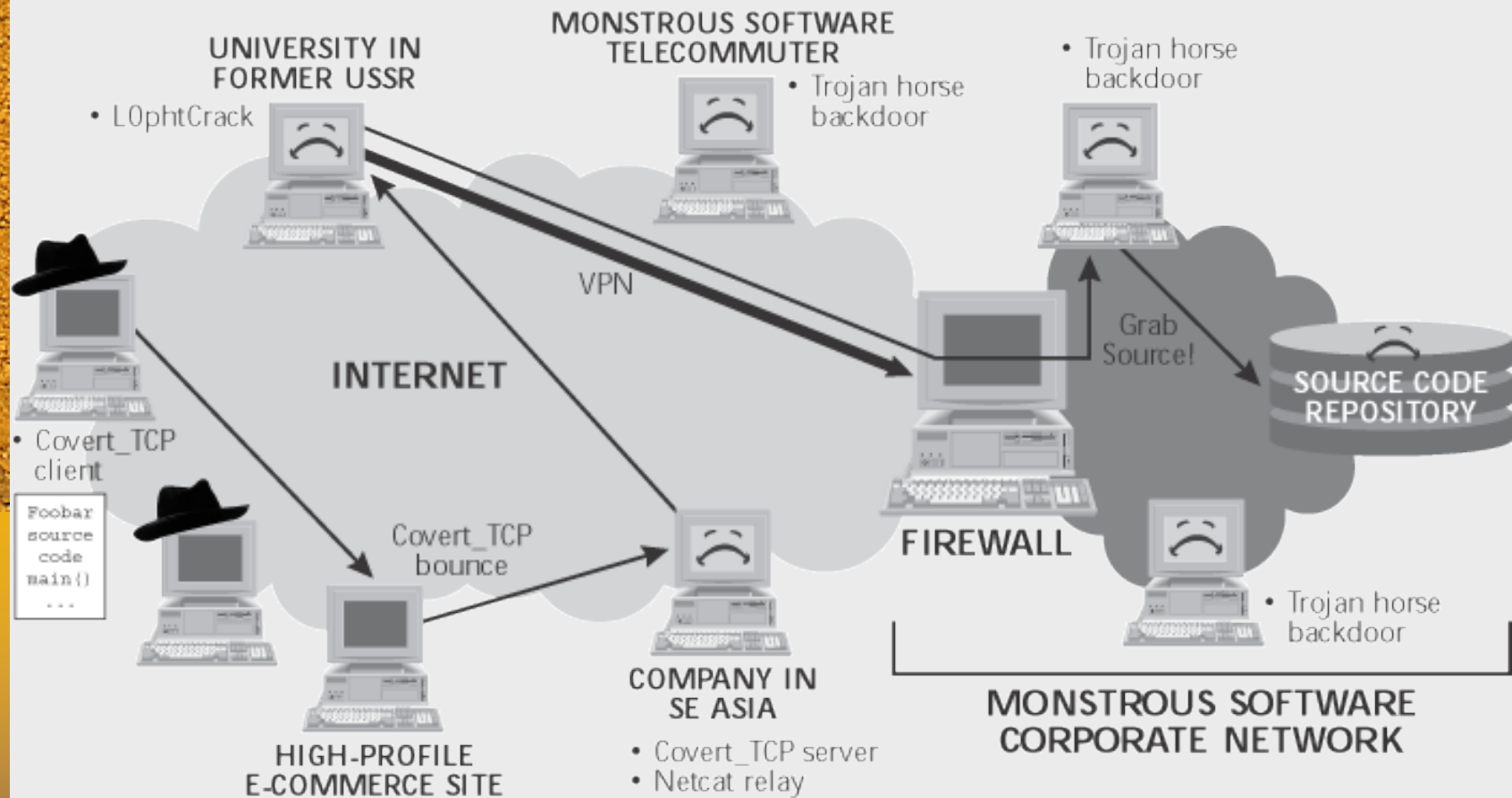


Figure 12.22 Bonnie and Clyde get the Foobar source code