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Titolo	OpenVPN 2 Cookbook [[electronic resource] ] : 100 simple and incredibly effective recipes for harnessing the power of the OpenVPN 2 network // Jan Just Keilser
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Descrizione fisica	1 online resource (356 p.)
Disciplina	004.6 004.678
Soggetti	Extranets (Computer networks) Operating systems (Computers) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Point-to-Point Networks; Introduction; Shortest setup possible; OpenVPN secret keys; Multiple secret keys; Plaintext tunnel; Routing; Configuration files versus the command-line; Complete site-to-site setup; 3-way routing; Chapter 2: Client-server IP-only Networks; Introduction; Setting up the public and private keys; Simple configuration; Server-side routing; Using client-config-dir files; Routing: subnets on both sides; Redirecting the default gateway Using an 'ifconfig-pool' blockUsing the status file; Management interface; Proxy-arp; Chapter 3: Client-server Ethernet-style Networks; Introduction; Simple configuration-non-bridged; Enabling client-to-client traffic; Bridging-Linux; Bridging-Windows; Checking broadcast and non-IP traffic; External DHCP server; Using the status file; Management interface; Chapter 4: PKI, Certificates, and OpenSSL; Introduction; Certificate generation; xCA: a GUI for managing a PKI (Part 1); xCA: a GUI for managing a PKI (Part 2); OpenSSL tricks: x509,

pkcs12, verify output; Revoking certificates

The use of CRLs; Checking expired/revoked certificates; Intermediary CAs; Multiple CAs: stacking, using --capath; Chapter 5: Two-factor Authentication with PKCS#11; Introduction; Initializing a hardware token; Getting a hardware token ID; Using a hardware token; Using the management interface to list PKCS#11 certificates; Selecting a PKCS#11 certificate using the management interface; Generating a key on the hardware token; Private method for getting a PKCS#11 certificate; Pin caching example; Chapter 6: Scripting and Plugins; Introduction; Using a client-side up/down script

Windows login greeter; Using client-connect/client-disconnect scripts; Using a 'learn-address' script; Using a 'tls-verify' script; Using an 'auth-user-pass-verify' script; Script order; Script security and logging; Using the 'down-root' plugin; Using the PAM authentication plugin; Chapter 7: Troubleshooting OpenVPN: Configurations; Introduction; Cipher mismatches; TUN versus TAP mismatches; Compression mismatches; Key mismatches; Troubleshooting MTU and tun-mtu issues; Troubleshooting network connectivity; Troubleshooting client-config-dir issues; How to read the OpenVPN log files

Chapter 8: Troubleshooting OpenVPN: Routing; Introduction; The missing return route; Missing return routes when 'iroute' is used; All clients function except the OpenVPN endpoints; Source routing; Routing and permissions on Windows; Troubleshooting client-to-client traffic routing; Understanding the 'MULTI: bad source' warnings; Failure when redirecting the default gateway; Chapter 9: Performance Tuning; Introduction; Optimizing performance using 'ping'; Optimizing performance using iperf; OpenSSL cipher speed; Compression tests; Traffic shaping; Tuning UDP-based connections; Tuning TCP-based connections

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Sommario/riassunto

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