

# **Appendice A: Risorse**

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# 1 Appendice A: Risorse

Suggeriamo le seguenti risorse per saperne di più sui vari aspetti del wireless networking. Per avere più link e risorse, visitate il nostro sito web all'indirizzo <http://wndw.net/>.

## 1.1 Antenne e progettazione di antenne

- Cushcraft documenti tecnici sulla progettazione delle antenne e sulla propagazione radio, <http://www.cushcraft.com/comm/support/technical-papers.htm>
- Progetti gratuiti di antenne, <http://www.freeantennas.com/>
- Hyperlink Tech, <http://hyperlinktech.com/>
- Pasadena Networks LLC, <http://www.wlanparts.com/>
- SuperPass, <http://www.superpass.com/>
- Unofficial NEC-2 code archives, <http://www.si-list.org/swindex2.html>
- Unofficial NEC-2 radio modeling tool home page, <http://www.nittany-scientific.com/nec/>
- Progetti di parabole per [WiFi](#) USB, <http://www.usbwifi.orcon.net.nz/>

## 1.2 Strumenti di analisi di rete

- Cacti network monitoring package, <http://www.cacti.net/>
- DSL esegue test di larghezza di banda e ne riporta i risultati, <http://www.dslreports.com/stest>
- Ethereal analizzatore di protocolli di rete, <http://www.ethereal.com/>
- Iperf strumento di test delle performance di rete, <http://dast.nlanr.net/Projects/Iperf/>
- iptraf diagnostica di rete, <http://iptraf.seul.org/>
- MRTG network monitoring and graphing tool, <http://people.ee.ethz.ch/~oetiker/webtools/mrtg/>
- My [TraceRoute](#) network diagnostic tool, <http://www.bitwizard.nl/mtr/>
- Nagios network monitoring and event notification tool, <http://www.nagios.org/>
- Ntop network monitoring tool, <http://www.ntop.org/>
- RRDtool round robin database graphing utility, <http://people.ee.ethz.ch/~oetiker/webtools/rrdtool/>
- [SmokePing](#) network latency and packet loss monitor, <http://people.ee.ethz.ch/~oetiker/webtools/smokeping/>
- [SoftPerfect](#) network analysis tools, <http://www.softperfect.com/>
- Squid transparent http proxy HOWTO, <http://en.tldp.org/HOWTO/mini/TransparentProxy-2.html>
- ttcp network performance testing tool, <http://ftp.arl.mil/ftp/pub/ttcp/>

## 1.3 Sicurezza

- [AntiProxy](#) http proxy circumvention tools and information, <http://www.antiproxy.com/>
- Anti-spyware tools, <http://www.spychecker.com/>
- Driftnet network monitoring utility, <http://www.ex-parrot.com/~chris/driftnet/>
- Etherpeg network monitoring utility, <http://www.etherpeg.org/>
- Introduction to OpenVPN, <http://www.linuxjournal.com/article/7949>
- Lavasoft Ad-Aware spyware removal tool, <http://www.lavasoft.de/>
- OpenSSH secure shell and tunneling tool, <http://openssh.org/>
- OpenVPN encrypted tunnel setup guide, <http://openvpn.net/howto.html>
- Privoxy filtering web proxy, <http://www.privoxy.org/>
- PuTTY SSH client for Windows, <http://www.putty.nl/>
- Sawmill log analyzer, <http://www.sawmill.net/>
- Security of the WEP algorithm, <http://www.isaac.cs.berkeley.edu/isaac/wep-faq.html>
- Spyware prevention for Windows XP (German), <http://www.xp-antispy.de/>
- Stunnel Universal SSL Wrapper, <http://www.stunnel.org/>
- TOR onion router, <http://tor.eff.org/>

- Weaknesses in the Key Scheduling Algorithm of RC4, [http://www.crypto.com/papers/others/rc4\\_ksaproc.ps](http://www.crypto.com/papers/others/rc4_ksaproc.ps)
- Windows SCP client, <http://winscp.net/>
- Your 802.11 Wireless Network has No Clothes, <http://www.cs.umd.edu/~waa/wireless.pdf>
- [ZoneAlarm](http://www.zonelabs.com/) personal firewall for Windows, <http://www.zonelabs.com/>

## 1.4 Ottimizzazione di banda

- Cache heirarchies with Squid, <http://squid-docs.sourceforge.net/latest/html/c2075.html>
- dnsmasq caching DNS and DHCP server, <http://thekelleys.org.uk/dnsmasq/doc.html>
- Enhancing International World Wide Web Access in Mozambique Through the Use of Mirroring and Caching Proxies, <http://www.isoc.org/inet97/ans97/cloet.htm>
- Fluff file distribution utility, <http://www.bristol.ac.uk/fluff/>
- Microsoft Internet Security and Acceleration Server, <http://www.microsoft.com/isaserver/>
- Microsoft ISA Server Firewall and Cache resource site, <http://www.isaserver.org/>
- Pittsburgh Supercomputing Center's guide to Enabling High Performance Data Transfers, [http://www.psc.edu/networking/perf\\_tune.html](http://www.psc.edu/networking/perf_tune.html)
- RFC 3135: Performance Enhancing Proxies Intended to Mitigate Link-Related Degradations, <http://www.ietf.org/rfc/rfc3135>
- Squid web proxy cache, <http://squid-cache.org/>

## 1.5 Mesh networking

- Champaign-Urbana Community Wireless Network software, <http://cuwireless.net/download>
- Freifunk OLSR mesh firmware for the Linksys WRT54G, <http://www.freifunk.net/wiki/FreifunkFirmware>
- MIT Roofnet Project, <http://pdos.csail.mit.edu/roofnet/doku.php>
- OLSR mesh networking daemon, <http://www.olsr.org/>
- Real-time OLSR topology viewer, <http://meshcube.org/nylon/utis/olsr-topology-view.pl>

## 1.6 Sistemi operativi e drivers wireless

- HostAP wireless driver for the Prism 2.5 chipset, <http://hostap.epitest.fi/>
- m0n0wall wireless router OS, <http://m0n0.ch/wall/>
- [MadWiFi](http://madwifi.org/) wireless driver for the Atheros chipset, <http://madwifi.org/>
- Metrix Pebble wireless router OS, <http://metrix.net/metrix/howto/metrix-pebble.html>
- OpenWRT wireless router OS for Linksys access points, <http://openwrt.org/>
- Pebble Linux, <http://nycwireless.net/pebble/>

## 1.7 Wireless tools

- Chillispot captive portal, <http://www.chillispot.org/>
- Interactive Wireless Network Design Analysis Utilities, <http://www.qsl.net/n9zia/wireless/page09.html>
- KisMAC wireless monitor for Mac OS X, <http://kismac.binaervarianz.de/>
- Kismet wireless network monitoring tool, <http://www.kismetwireless.net/>
- [MacStumbler](http://www.macstumbler.com/) wireless network detection tool for Mac OS X, <http://www.macstumbler.com/>
- [NetStumbler](http://www.netstumbler.com/) wireless network detection tool for Windows and Pocket PC, <http://www.netstumbler.com/>
- [NoCatSplash](http://nocat.net/download/NoCatSplash/) captive portal, <http://nocat.net/download/NoCatSplash/>
- PHPMyPrePaid prepaid ticketing system, <http://sourceforge.net/projects/phpmyprepaid/>
- [RadioMobile](http://www.cplus.org/rmw/) radio performance modeling tool, <http://www.cplus.org/rmw/>
- Terabeam wireless link calculation tools, <http://www.terabeam.com/support/calculations/index.php>

- Wellenreiter wireless network detection tool for Linux, <http://www.wellenreiter.net/>
- WiFiDog captive portal, <http://www.wifidog.org/>
- Wireless Network Link Analysis tool by GBPRR, <http://my.athenet.net/~multiplx/cgi-bin/wireless.main.cgi>

## 1.8 Informazioni generali sul wireless

- DefCon long distance WiFi shootout, <http://www.wifi-shootout.com/>
- Homebrew wireless hardware designs, <http://www.w1ghz.org/>
- Linksys wireless access point information, <http://linksysinfo.org/>
- Linksys WRT54G resource guide, <http://seattlewireless.net/index.cgi/LinksysWrt54g>
- NoCat community wireless group, <http://nocat.net/>
- POE guide by NYCWireless, <http://nycwireless.net/poe/>
- Ronja optical data link hardware, <http://ronja.twibright.com/>
- SeattleWireless community wireless group, <http://seattlewireless.net/>
- SeattleWireless Hardware comparison page, <http://www.seattlewireless.net/HardwareComparison>
- Stephen Foskett's Power Over Ethernet (PoE) Calculator, <http://www.gweep.net/~sfoskett/tech/poecalc.html>

## 1.9 Produttori di hardware per networking

- Alvarion wireless networking equipment, <http://www.alvarion.com/>
- Cisco wireless networking equipment, <http://www.cisco.com/>
- Metrix outdoor wireless networking kits, <http://metrix.net/>
- Mikrotik wireless network equipment, <http://www.mikrotik.com/routers.php#linux1part0>
- PowerNOC outdoor wireless networking equipment, [http://powernoc.us/outdoor\\_bridge.html](http://powernoc.us/outdoor_bridge.html)
- RAD Data Communications networking hardware, <http://www.rad.com/>
- Redline Communications WiMax wireless networking equipment, <http://www.redlinecommunications.com/>
- Trango wireless networking hardware, <http://www.trangobroadband.com/>
- WaveRider wireless hardware, <http://www.waverider.com/>

## 1.10 Networking services

- Access Kenya ISP, <http://www.accesskenya.com/>
- Broadband Access Ltd. wireless broadband carrier, <http://www.blue.co.ke/>
- Virtual IT outsourcing, <http://www.virtualit.biz/>
- wire.less.dk consultancy and services, <http://wire.less.dk/>

## 1.11 Istruzione e corsi

- Association for Progressive Communications wireless connectivity projects, <http://www.apc.org/wireless/>
- International Network for the Availability of Scientific Publications, <http://www.inasp.info/>
- Makerere University, Uganda, <http://www.makerere.ac.ug/>
- Radio Communications Unit of the Abdus Salam International Center for Theoretical Physics, <http://wireless.ictp.trieste.it/>
- World Summits on Free Information Infrastructures, <http://www.wsfii.org/>

## 1.12 Link vari

- Cygwin Linux-like environment for Windows, <http://www.cygwin.com/>

- Graphviz graph visualization tool, <http://www.graphviz.org/>
- ICTP bandwidth simulator, <http://wireless.ictp.trieste.it/simulator/>
- [ImageMagick](http://www.imagemagick.org/) image manipulation tools and libraries, <http://www.imagemagick.org/>
- NodeDB war driving map database, <http://www.nodedb.com/>
- Open Relay DataBase, <http://www.ordb.org/>
- Partition Image disk utility for Linux, <http://www.partimage.org/>
- RFC 1918: Address Allocation for Private Internets, <http://www.ietf.org/rfc/rfc1918>
- Spectropolis NYC art project, <http://www.spectropolis.info/>
- Ubuntu Linux, <http://www.ubuntu.com/>
- wget web utility for Windows, <http://xoomer.virgilio.it/hherold/>
- [WiFiMaps](http://www.wifimaps.com/) war driving map database, <http://www.wifimaps.com/>

## 1.13 Libri

- 802.11 Networks: The Definitive Guide, 2nd Edition. Matthew Gast, O'Reilly Media. ISBN #0-596-10052-3
  - 802.11 Wireless Network Site Surveying and Installation. Bruce Alexander, Cisco Press. ISBN #1-587-05164-8
  - The ARRL Antenna Book, 20th Edition. R. Dean Straw (Editor), American Radio Relay League. ISBN #0-87259-904-3
  - The ARRL UHF/Microwave Experimenter's Manual. American Radio Relay League. ISBN #0-87259-312-6
  - Building Wireless Community Networks, 2nd Edition. Rob Flickenger, O'Reilly Media. ISBN #0-596-00502-4
  - Deploying License-Free Wireless Wide-Area Networks. Jack Unger, Cisco Press. ISBN #1-587-05069-2
  - TCP/IP Illustrated, Volume 1. W. Richard Stevens, Addison-Wesley. ISBN #0-201-63346-9
  - Wireless Hacks, 2nd Edition. Rob Flickenger and Roger Weeks, O'Reilly Media. ISBN #0-596-10144-9
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