Guido Bolognesi
Curriculum Vitæ

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Personal Data

Mobile	+39-340-626-3087
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Place and date of birth	Bologna, Italy - November, 4th 1974

Professional Experiences

Vodafone Italia Milan, since July 2004

Network Security Consultant — South Europe Data Center

I.NET S.p.A. Milan, September 01-June 04

Network Security Manager — Operations

▷ "ethical hacking", for penetration tests and vulnerability assessments

▷ Forensic analysis of compromised machines

▷ Cisco PIX and routers configuration, Nokia/IPSO and CheckPoint Firewall-1 setup, ISS RealSecure

▷ Solaris, Linux, AIX hardening

▷ Customer assistance regarding networks and systems security

I.NET S.p.A. Milan, March 01-August 01

Webfarm Manager — Operations

▷ Resource planning and customers assistance regarding housing service

▷ Planning and setup of network architectures for housing service

Cable&Wireless — dSNet Bologna, September 98-February 01

Systems Head, Unix Environment

▷ Systems administration for both Internet and internal services (Tru64 Unix, Solaris, GNU/Linux)

▷ Routers configuration, ISDN/Frame-Relay/Leased lines maintenance, both customers' and infrastructure

▷ Planning and implementation of new technical solutions, with a strong accent on service quality, continuity and security

CORE S.r.l. Bologna, September 97-September 98

Network and systems administrator

▷ IBM RS/6000, Digital Alpha e Wintel systems administration for GIS developers' area [ArcView, GeoMax, Informix/Oracle].

▷ Lotus Notes development support, for information mining software

▷ Network administration (Token Ring, Ethernet)

Teaching and Events

Sometimes I give speeches, in public events or as a teacher:

▷ "UMA (Unlicensed Mobile Access): infrastructure and security"
Infosecurity 2007, Fiera Milano

▷ "Security 101 - *an introduction to computer security*"
Bologna University, Master in Tecnologia del Software Libero e Open Source, July 2005

▷ "Run Secure || die() - *Separation between host and services.*"
Webb.it 2004, Fiera di Padova / Fiera di Milano

▷ "NetBsd e retrocomputing - *Hardware Revival*"
Webb.it 2003, Fiera di Padova

▷ "Security on the air: 802.11"
Network Security Forum 2003, Milano. Organized by "Istituto di Ricerca Internazionale"

▷ "Free & Secure, *an overview of modern security features in Open Source operating systems.*"
Operating Systems Week 2003, Bologna University, Computer Science Faculty

▷ "Am I paranoid enough? *Security: illusion or risk management?*"
Linux Meeting 2002 - Bologna University, Engineering Faculty / Free Software Meeting 2002, Milan

▷ "Scusa, ti ho bucato per sbaglio - *Wireless [in]security*"
Webb.it 2002, Fiera di Padova

Studies

▷ 1993 – Bologna – Liceo "A. Righi" – Maturità scientifica (sperimentazione di Matematica ed Informatica), votazione 54/60.

▷ Three years at the Electronic Engineering Faculty, Bologna University, and collaboration with Faculty Computer Center for computer security analysis (mostly SunOS and Hp-Ux) and services (passwords, TCP/IP, NFS, web and email)

▷ At the moment I'm attending the Computer Science Faculty at the Bologna University

Courses taken

▷ CRLS (Cisco Routing and Lan Switching), October 1998 Milan

▷ BSCN (Building Scalable Cisco Networks), July 2001 Milan

▷ ICND (Interconnecting Cisco Network Devices), January 2002 Milan

▷ BCMSN (Building Cisco Multilayer Switched Networks), April 2002 Milan

▷ BCRAN (Building Cisco Remote Access Networks), July 2002 Milan

▷ CIT (Cisco Internetwork Troubleshooting), September 2002 Milan

▷ IBM AX025 (High Availability with HACMP on AIX), June 2001 Novedrate

▷ Vigilante SecureScan, October 2001 Paris

▷ CheckPoint Firewall-1, May 2002 Milan

Certifications

▷ June 7th 2002 – CCNA

▷ April 17th 2003 – CCNP

Other Skills

Fluent English, in technical and everyday use.

Systems/Hardware Installed/replaced hardware on Sun, Digital, IBM, Hp, Silicon Graphics machines: CPUs, memory, disks, network cards, RAID arrays, tape libraries.
Everyday experience on PCs.

Systems/Software Solid knowledge of UNIX based systems, experience since 1995 on various platforms [Digital Unix/Tru64, Linux Debian/RedHat, Solaris, IRIX, NetBSD, FreeBSD, AIX, Hp-Ux, IPSO, SecurePlatform].
Good knowledge of shell and Perl programming, PHP, knowledge of C, HTML, SQL. Partial knowledge of Java, Pascal.
Desktop operating systems usage: Windows, MacOS X, [DOS, Os/2, BeOS].

Network/Hardware Wired/wireless Ethernet network cards, switches, transceivers, repeaters, hubs and bridges.
Token Ring network cards and MAUs. Nokia, Pairgain and RAD HDSL modems.
Cisco routers [2500 to 12000, AS5300], Catalyst switches [2950 to 6500], Cisco PIX [515-535], VPN3000, 1100/1200 access points, Firewall-1 on Nokia platform ranging from IP330 to IP2250.
Got in touch with 3Com, HP, IBM, Extreme Networks, Huawei switches; Juniper, Zyxel, NetGear routers; NetScreen firewalls; RadWare, Alteon balancers; Packeteer traffic shapers; BlueCoat caches.

Network/Software Hands-on experience in configuration and maintenance of network services:

- ▷ email [Sendmail, QMail, Postfix]

- ▷ web [Apache, Netscape]

- ▷ DNS [bind v4/9]

- ▷ authentication [TACACS+, Radius (radiator, SteelBelted, freeradius)]

- ▷ infrastructure [SMB, LDAP]

even in limited environments (chroot, jail, VmWare).
Did set up network monitoring [mon, netsaint, MRTG, HP OpenView] and security [tcp-wrappers, Firewall-1/Provider-1, NetForensics, Vigilante SecureScan, ISS RealSecure, CoreST CORE Impact] software.
Day to day use of network security tools [nessus, nmap, john, logcheck, tripwire, samhain ...] and troubleshooting tools [tcpdump, snort, iptraf, sniffit, ethereal].
Good knowledge of Cisco IOS up to v12, Cisco VPN Client and CatOS.
Set up and automated backup software.
Spot experience on databases [Oracle8 e 9i, MySQL].

Network/Protocols IPv4, IPv6. SMTP, HTTP/S, POP3/S, IMAP/S, FTP, LDAP, SNMP, with RFC study when needed.
Other protocols: STP/PVST+, CDP, HSRP/VRRP, OSPF, BGP4, IPSec, GRE. H.323, SIP