

Daniele Gallarato

Place and date of birth
Social security number
Address
Contact number
e-mail



Professional Profile

An accomplished professional with 19 years of experience in the arena of System Administration, Networking and Troubleshooting with reputed organizations. Specialized in setting up and maintaining LAN and WAN. Expert in Firewalling and Security topics. Linux Administrator.

Work Experience

2018-today Currently working as Network Engineer and Consultant (own-account worker).

- Linux Administration. Especially RHEL and CentOS. Bind/named, apache/httpd, logservers, satellite, sftp.
- IDS/IPS and Firewall configuration and management. Especially for Cisco products.
- Email Frontend (using Cisco ESA and Barracuda Email Gateway).
- Proxy (using Cisco WSA and Barracuda Web Security Gateway).
- Networking (Cisco Catalyst/Nexus switches).
- Network monitoring (using PRTG).
- Network authentication (MS NPS and Freeradius).
- OTP Authentication (RCDevs OpenOTP).
- Vulnerability Assessment (using Tenable Nessus Security Scanner).
- Training Classes for Networking, Cisco Routing and Switching, Linux RH Administration.

2009-2017 Associated with the Company "Dimensys Srl" as Network Engineer and Consultant.

Work carried out:

- Customer (1) banking industry: setup, management and troubleshooting (new implementations included) of the company network infrastructure. Switch infrastructure (Cisco Catalyst, 29xx, 35xx, 3750, 3850, 45xx, 65xx, Nexus).
Development and management of the security infrastructure: firewalls (ASA 55xx), perimeter routers, anti-x modules (on Cisco ASA 55xx), IDS (snort on Linux and Cisco FirePower); network monitoring (nagios, PRTG).
Mail infrastructure (frontend and backend with exim4 and postfix, Cisco ESA as frontend for AV, antispam, antimalware).
Installation and management of the Wireless infrastructure: Cisco Wireless Lan Controller and Cisco Aironet access points.
Installation, configuration and management of RSA enVision appliance, for logs collection and storage.
Installation, configuration and management of Cisco WSA device, physical and virtual, for web browsing control.
Logs collection and storage, with ManageEngine LogAnalyzer software.
Management of the VoIP infrastructure (Cisco CallManager 9.1).
Network Vulnerability Scan, using Tenable Nessus Security Scanner, with manual check of the identified vulnerabilities.
- Customer (2) banking industry: setup, management and troubleshooting (new implementations included) of the company network infrastructure. Switch (Cisco Catalyst, 29xx, 35xx, 3750, 45xx).
Security infrastructure: firewalls (Cisco ASA 55xx), proxy (squid). Email infrastructure (frontend with exim4).
Installation, configuration and management of the RSA enVision appliance, for logs collection and storage.
- Customer (3) telephony infrastructure industry: VoIP infrastructure upgrade, from Cisco CallManager 4.0 to CUCM 8.6.2 and then to version 10.x. Management, troubleshooting and backup of the VoIP infrastructure. Installation and configuration

of Imagicle software (attendant console and Skype integration). Configuration and management of the remote sites voice routers and connection to the central CUCM.

Installation and configuration of the Cisco devices (Expressway) to allow Jabber users (PC and smartphones) to connect to CUCM from the Internet.

- Customer (4) manufacturing industry: VoIP infrastructure upgrade from Cisco CallManager 6.x to CUCM 10.x. Management, troubleshooting and backup of the VoIP infrastructure. Installation and configuration of Imagicle software (attendant console). Configuration and management of the remote sites voice Routers. Upgrades of Cisco ASA Firewalls.
- Customer (5) oil industry: VoIP infrastructure integration of Cisco CallManager 8.x with Microsoft Lync. LAN infrastructure analysis. Cisco ASA Firewall configuration for Lan2Lan and client VPNs.
- Other customers: setup, configuration and management of Firewalls, Routers e Switches, mainly, but not exclusively, Cisco. Email control systems (Cisco ESA and Barracuda Email Security Gateway). Web control systems (Cisco WSA). Installation and management of Linux servers (email, dns, proxy, dhcp, logserver, reverse proxy, ftp/sftp).
Microsoft Radius NPS servers management, for VPN Clients and WiFi authentication.
Installation and management of routers with Cisco Call Manager Express features.
Installation, configuration and management of network monitoring tools.

2008 Hired by BSC Consulting company, as networking and security consultant, pre and post-sale, for Cisco devices (Switching, Routing, Firewalling), Linux (Ubuntu, Debian), RSA (enVision, SecurID).

2005-2007 Consultant at customers' sites for the following activities:

- Installation and configuration of CheckPoint Firewalls on Nokia appliances. Rules configuration, features testing, backup management and troubleshooting.
- Microsoft Windows 200x management. Active Directory, DNS, WINS, backup with HP Data Protector.
- Basic management of SAP systems on Oracle databases. Day-by-day administration. Database tuning.
- Management of centralized antivirus systems.
- End user Lan2lan VPN to the DimenSys site, to achieve centralized management (using firewalls and VPN concentrators), remote management of Windows servers (Active Directory) and Linux.
- Installation, configuration and tuning of Intrusion Detection systems (using Snort on Debian Linux servers).

2004 Network consultant within Fastweb.

Activities carried out:

- Provisioning IP and Trouble Ticket support for Business customers.
- Remote configuration of the end-user's routers (during the deployment), for both data and voice (VoIP).
- Management and troubleshooting for Business customers.
- Torino ATM network management (Fastweb).
- Number Portability management and configuration.
- Post-installation configuration of the customers' routers.

Sept. 2002 Started up a network consultant company, DimenSys S.r.l., with other partners.

Activities carried out:

- Complete management of LAN and WAN, security policies implementation, VPN creation, proactive management of devices and assets, network monitoring and checking OpenSource software and hardware.
- Security projects using Cisco products (Pix Firewalls, VPN Concentrators, Routers IOS IPSec, VPN Clients) and Open Source (Squid, iptables, FreeS/WAN, snort).
- LAN e WAN projects, using Cisco devices, Local Area Networks (Catalyst from 3550 to 6500) and Wide Area Networks (Routers from 800 to 3600).
- Company management, in particular for the technical issues.
- Dealings with suppliers, partners and customers.

July 2000 Hired by Telematic company, qualified as "Network Engineer".

Activities carried out:

- LAN e WAN installation and configuration, layer 2 and 3 devices (switches and routers).
- Leased lines configuration (CDN/CDA), Frame Relay, xDSL.
- Taught a class for network administrators, specific for Cisco devices.
- Migration projects from Token Ring to Ethernet, with the management and configuration of the servers and network devices.
- Installation and configuration of Cisco PIX Firewalls, for Internet connections, Web and Mail servers. Security policies analysis and implementation. Remote Access control with Cisco ACS.
- VPN configuration (using PIX Firewalls, VPN Concentrators and IPSec Routers).
- VoIP configurations to integrate voice into data link.
- Network outsourcing management of some customers (management and features check on servers and network devices).
- Configuration of Apache, Samba, Squid servers on Linux machines.
- Complete management of security projects, from analysis (Risk Analysis and Security Probe), to the solutions (Security Assessment and Hardening), and the following audit (to check the proper application of the policies).

Education and training

1993/1994 Telecommunications diploma ("AMBRA3" project), achieved at ITIS "G.B. Pininfarina" in Moncalieri (TO), with 54/60 vote.

1999/2000 Attended course of "Formazione Integrata Superiore (FIS)", for the job profile of "Junior Telecommunications Engineer".
Topics addressed: Server Microsoft Windows NT/2000, Server Linux, C/C++ dev, configuration of Cisco Systems devices.

Nov. 2000 Attended (on Torino Politecnico), degree course of "Computer Engineering"; achieved 22 exams and average vote ~26/30.

2001 Attended MCNS (Managing Cisco Network Security) and CSVPN (Cisco Secure Virtual Private Network) courses.

May-July 2002 Attended ISM (Information Security Manager) course, within AlcolCollege in Milano. Topics covered: technical and legal sides of the Information Warfare, like Risk Analysis, Security Probe and Assessment, Security Audit, Incident handling.

July 2002 Organized and held a meeting, by Cisco Systems Italia and Telematic, about Security Information topic (Cisco SAFE), as technical draftsman.

Nov. 2002 Attended ICLC meeting (Italian Cyberspace Law Conference) 2002.

2003-today Updates by technical readings Cisco and ICT.

Apr. 2013 Attended the Tenable Certified Nessus Auditor (TCNA) course (TRG-NES-TCNA).

2017 Self training for RHCSA/RHCE 7 (Red Hat Enterprise Linux 7).

Foreign Languages

English

Reading and speaking at medium level. Optimal knowledge of technical written English, in ICT area.

French

Scholastic knowledge.

Professional Certifications

Nov. 2000 Achieved *CCNA (Cisco Certified Network Associated)* certification.

Feb. 2001 Achieved "Junior Telecommunications Engineer" certification.

July 2002 Achieved *ACSec*, AlcolCollege Certified Information Security Management certification.

Nov. 2002 Achieved *CSS-1 (Cisco Security Specialist 1)* certification.

July 2003 Achieved **Information Systems Security (INFOSEC) Professionals** certification, by NSA (National Security Agency) and CNSS (Committee on National Security Systems).

Sept. 2003 Achieved **CCNP (Cisco Certified Network Professional)** certification.

Sept. 2004 Achieved **CCSP (Cisco Certified Security Professional)** certification.

Apr. 2013 Achieved **TCNA (Tenable Certified Nessus Auditor)** certification.

Networking and Information Technology Knowledge

- Excellent knowledge of ISO/OSI levels, of the TCP/IP protocols suite, of the Frame Relay, HDLC, PPP, xDSL.
- Excellent knowledge of the configuration of routing protocols (RIP, IGRP, EIGRP, OSPF).
- Basic knowledge of the BGP protocol.
- Excellent knowledge and ability of the configuration of the Cisco IOS. Configuration and management of Cisco router (from 700 to 7500). Installation and management of the Catalyst Switches, from 1900 to 6500 (IOS and CatOS based), both layer 2 and layer 3/7 (MLS and CEF).
- Excellent knowledge of the operating system formerly known as PIX-OS, for the Cisco PIX/ASA firewalls configuration, of the IOS IPSec for the routers configuration with firewall and cryptographic features and configuration of the Cisco Family VPN Concentrator 3000. Configuration and management of the authentication server Cisco ACS (tacacs+ and RADIUS).
- Good knowledge of the CheckPoint firewalls (Nokia IP3xx appliances and management on Windows servers), releases R54 and R55.
- Good knowledge of the Linux e Unix-like Operating Systems (experiences on Red Hat, Mandrake, Gentoo, Debian, Ubuntu servers).
- Setting up of Linux servers and services configurations: Apache (web), Squid (proxy), Samba, Snort (IDS), Nagios e Ntop (network monitoring).
- Good knowledge of Security Scanner Tools.
- Excellent knowledge of OpenSource security tools, like nmap, nessus, ethereal/wireshark, ettercap, tcpdump.
- Security management using OpenSource tool like iptables and FirewallD.

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Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".