

Vincent TOUCHARD

28 years old – single – French
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Network Engineer

Graduated from Telecom Bretagne, CCNA, now working at Thales Group

Objective

Work in complex environments on cutting-edge technologies, managed by network specialists.
Expand my knowledge on technologies (MPLS, BGP, WDM, ...) and on the products of different manufacturers.

High interest for global companies. Could be interested by a job abroad (Europe, North America, Asia, ...)

Skills

Networking	<ul style="list-style-type: none">• OSI Model, IP, IPv6, TCP, UDP, NAT• LAN: switching, HSRP, VLAN, STP, Link Aggregation, VTP, ...• WAN: Frame-Relay, HDLC, PPP• Tunneling: GRE, mGRE, DMVPN, L2TP• Dynamic routing: BGP, OSPF, RIP, (basic EIGRP, IS-IS)• QoS: DiffServ, shapping• WAN Optimization: Bluecoat• Security: firewalling (netfilter/iptables, Juniper Netscreen), IDS (Snort), 802.1X, IPsec• MPLS, MPLS L3VPN, EoMPLS (AtoM), VPLS• Metro Ethernet : QinQ, EoMPLS, Ethernet OAM, Cisco EVC• Manufacturers: 3COM (SuperStack 3), Alcatel (Omniswitch), Bluecoat (MACH5), Cisco (ISR, ASR1k, Catalyst, 6500, ME3x00), Juniper (Netscreen, basic knowledge on Junos/SRX/MX), Thales (Mistral IPsec)
OS	GNU/Linux (debian/gentoo/openwrt – daily usage since 2004), Windows
Systems	Good knowledge of the usual tools (DHCP, DNS, LDAP, NFS, Radius, SQL, e-mail systems, web systems – virtualization : Xen, qemu, ...)
Monitoring	SNMP, Netflow, open source tools (Cacti, Munin, Nagios, Smokeping, Weathermap, ...), IP SLA
Telephony	VoIP (SIP, H323, Asterisk and Yate), PSCN (GGSN, SGSN, GTP), knowledge of mobile networks
Programming	Bash, Perl, SQL, XHTML, Java, (PHP, C)
Process	ITIL and ISO20000 (not certified)
Personality	Taste for technical watch and network theory, open minded, good capacity of synthesis and analysis, creativity, fast learner

Professional Experience

March 2009 – **Thales Services (Paris): Network Engineer**
Engineer at Thales Group (a world leader in mission-critical information systems for defense, security, aerospace and transportation), part of the network team (~30 people) in charge of the **corporate infrastructures of the Thales group**.
250 sites, 70.000 users; ~10 business units connected together; transport of applicative, telephony (VoIP) and videoconferencing services; **high complexity** due to the security imposed by the activities of the group.

- Run & deployment of the WAN (in compliance with ISO20000 & ITIL)
- Follow-up & scheduling of all major changes occurring on the WAN
- Referent for routing/WAN Optimization/switching + Level 3 support
- Design/Technical validation of projects before deployment
- Internal trainer (Network theory, Cisco, WAN optimization)

Major projects:

- Study of WAN optimization solutions and deployment of the chosen one
- Study and migration of WAN tunnels from static mGRE to DMVPN (~50 VRF)
- Setup of a MPLS L3VPN at the interconnection of Customers-DCI-Datacenter
- Study & deployment WAN/MAN for the relocation of the biggest Thales site (5000 people, tens of networks): EoMPLS, L2TPv3, IPsec, QinQ
- Study of MPLS/WDM rings between Paris & French main sites

Main technologies: IPSec, mGRE, DMVPN, VRF, Metro Ethernet, MP-BGP, MPLS L3VPN, OSPF and QoS – Cisco, Juniper

Aug. – Dec. 2008 (5 months)	First Choice Internet (Tokyo, Japan): Network and System administrator <ul style="list-style-type: none"> Set up of a PABX based on Yate (SIP, H323, voicemail, conference rooms, ...) Development and automation of the hosting administrative tools
2007 – 2008 (6 months)	Telecom Bretagne: deployment of a VoIP service based on Asterisk for the two campus of the school and linked to the PSTN
2006 – 2007 (1 year)	Alcatel-Lucent France (Paris): Network and System administrator (trainee engineer) Internship in the technical team of 3GRC (a small operator - 2G, 3G, HSPA, Wifi and Wimax - managed by 6 people, used to demonstrate Alcatel-Lucent products) - links with many other teams of the group – heterogeneous working environment <ul style="list-style-type: none"> Integration of new demonstrations Reorganization of the platform (servers, IP backbone, monitoring) for more reliability and security PSCN: routing improvement, set up of new equipments, troubleshooting Migration of the platform to an other site without outage Technical support for events (Mobile WorldCongress – ex 3GSM WC, ...)
2004 – 2008	ResEI (Students' network of Telecom Bretagne, member of FedeRez): Network and system administrator 2 campus, network of 40 servers and more than 500 users.

Languages

French	Mother tongue
English	Proficient, daily professional usage (email and phone)
Spanish	Intermediate
Chinese	Beginner

International Experience

5-months internship in Japan (2008)
Working in an international context (since 2009)
1-month trips in Asia (2007, 2010, 2011) and several trips in Western Europe

Certifications

Oct 2011	CCNA (Cisco Certified Network Associate 640-802)
Mid-term objectives	JNCIA (Juniper Networks Certified Internet Associate) CCIP (Cisco Certified Internetwork Professional)

Education

April 2012	Official Ipanema training
Sept 2011	Official Cisco BGP training
2007 - 2008	Last year student at Telecom Bretagne (formerly ENST Bretagne), a prestigious French graduate engineering school "Grandes Écoles" of telecommunication. Preparing for a <i>French engineering degree in Telecommunications and Information Technologies</i> (equivalent to a Master Degree in Telecommunications and IT). Specialties: computer networking and security Graduated in November 2008
2006 - 2007	Trainee engineer (1 year) at Alcatel-Lucent – network and system administration
2004 - 2006	Student at Telecom Bretagne. Main topics: Networks and Computer science
2002 - 2004	Classes préparatoires (PSI*): intensive scientific preparation for the entrance to prestigious French engineering schools
June 2002	Scientific Baccalauréat (French A-levels) with high honors

Personal Interests

Culture	Discovery of other countries, of their cultures and traditions – with a special focus on Asia Geopolitics
Cartography	Participating in the OpenStreetMap project
Sports	Hiking, Sailing