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| *Rémi Laurent**System & Network Administrator* | 54, rue des Faubourgs B-6700 Arlon *Mobile*: +32 487 95 86 06 *Email*: remi.laurent@gmail.com20/08/1983 Driving license: cat. B  |

Specialized in System and Network administration, Information and Network Security

Especially interested in network technologies, troubleshooting and debugging; also eager to learn and teach.

# Experience

## 2007–2014 Security Consultant, Conostix S.A., Luxembourg.

* Installation and conﬁguration of HA ﬁrewall/router clusters, HTTP/HTTPS reverse proxies and ﬁlters (based on OpenBSD, GNU/Linux)
* Familiar with datacenter operations including electrical and networking setup, server setup, cross connects, communicating with ISP or contractors
* Hosting and conﬁguration of web, mail, DNS, ﬁle servers, deployment of country wide HA clusters and network setups including monitoring, 24/7 support and SLA requirements
* Various developments of applications involving cryptography and secure coding practices; development and usage of internal reporting, monitoring and deployment tools
* Involved in the development of a security appliance working as ﬁltering proxy, antivirus gateway, ﬁrewall, VPN endpoint, ...

#  General knowledge and troubleshooting skills

* Good knowledge and troubleshooting skills of the TCP/IP stack and dedicated analysis tools (nmap, tcpdump, wireshark)
* Good knowledge and troubleshooting skills of application level protocols (HTTP, DNS, SMTP, POP, ...) and security issues/solutions linked to their usage
* Good troubleshtooting skills of softwares on opensource platforms (gdb, ltrace, strace, /proc wizardry) and associated langage understanding
* Good practical knowledge of cryptography and cryptography standards GnuPG (PGP), OpenSSL (SSL/TLS, X509, PKCS7, PKCS12, RSA, AES, ...) working experience in OpenSSL module developement (C & Perl XS)
* **Networking technologies**
	+ OpenBSD packet ﬁlter and GNU/Linux netﬁlter
	+ VPN technologies (IPSec and OpenVPN mainly)
	+ OSPF & BGP protocol and conﬁguration on OpenBSD/Linux
	+ 802.1q (VLANs), STP/RSTP, LACP
	+ familiar with Cisco, HP, Enterasys and 3Com switching equipments
	+ Cisco routers (including routing protocols) switching/bridging technologies (basic knowledge)

#  Personnal skills

* Strong problem solving skills
* Ability to translate business needs to technical speciﬁcations
* Able to handle and motivate others
* Good communication skills with customers or suppliers
* Able to deal with tense situations

##  Daily usage of

* **OS** GNU/Linux, OpenBSD, Windows
* **LAMP** including mod\_proxy, mod\_security, mod\_perl
* **Hosting** OpenSSH, bind, unbound, …
* **Mail** postﬁx, gld, spamassassin, amavis
* **Monitoring** SNMP, rsyslog, nagios, custom
* **Coding** Shell, Perl, Ruby probes, ...
* **Markup** HTML/CSS, Latex, rst, XML
* **Virtualisation** XEN, KVM, VirtualBox, VSphere JSON
* **Conﬁg mgt** Chef, Debian Preseed
* **Various** rsync, nfs, rdiﬀ-backup, LVM, git

# Education

* **2002–2007** *Master in Industrial Sciences, Computer Sciences, ISIL, Liège.* unﬁnished, graduated with license (candidature)
* **2001–present** *LPI 101, 102, 201*, Linux Professionnal Institute.

# Interests

* **FSUGAr** founder and president of the «Free Software Users Group Arlon»
* **Speaker** at various computer related events, RSSIL, ISACA Luxembourg, schools, . . . and monthly FSUGAr meetings
* **Bug hunting casual bug reporter** and patch submitter for Debian GNU/Linux, OpenBSD
* Aïkido martial art
* Beer tasting club member and «junior» home brewer

# **Langage**

* **French** Native langage
* **English** Fluent
* **Dutch** Basic understanding