

Arnaud LAUNAY

31 years old, French

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Senior system and network engineer, specialized in Open-Source Linux, BSD, Apache, MySQL

Skills

Technical manager

- Experience of pre-sales, sales and customer support
- Organising meetings to analyse customer requirements
- Project management, dispatching to competent co-workers if needed

Architecture

- Integrating and interfacing system and network components in order to build a full technical architecture
- Creating and maintaining packaged software solutions
- Meticulous approach to fault diagnosis

Free Software Expert

- Maintainer of the HLFL software
- Numerous bug reports (sometimes with patches) over the years on different products, via bugzilla, newgroups or mailing-lists
- Unofficial packaging of Gentoo (ebuilds)
- Active member of the fr.* newsgroups distribution
- Old member of the French Translation Project for Linux HOWTOs

Other

- Fluent in English and French (mother tongue)
- Comfortable working autonomously as well as in team collaboration, and researching new technologies

Technical skills

Linux

- more than 12 years experience on most distributions (Debian, Gentoo, RedHat, etc)

Network

- good experience with switches and routers, some wireless

Network hardware

- good experience with Cisco (29xx, 35xx, 65xx), a bit older with 3com (44xx, 49xx, 55xx) and even older with Foundry (now Brocade) ServerIron

Known protocols and services

- http (Apache, lighttpd), dns (bind), smtp (postfix and antispam/antivirus suites: clamav, amavis, maia, spamassassin, greylisting, etc), nntp (inn), pop/imap (Cyrus, Courier, perdition, Horde/RoundCube), proxy (squid, haproxy), ftp (proftp), deployment (PXE, dhcp, tftp), monitoring and reporting (Nagios, Cacti), revision control system (cvs, subversion), misc (nfs, nis, etc)

Network firewalls

- Linux (iptables, older ipfwadm/ipchains), BSD (ipfilter, older ipfw), Cisco ACLs

Databases

- very good knowledge of MySQL, elementary knowledge of Oracle

Coding skills

- very good at shell (mostly bash), basic knowledge of Perl, C and SQL

Certification

- CACert #000325

Background

Since 2004, I work as “freelance” in the company I founded, *Cusae*. I acquired some extra-technical competences doing this: accounting, managing, validating and modifying contracts with customers and suppliers, and relationships with the french administration.

Some selected missions over the years:

- **Since 2009:** Hosting and outsourcing of platforms
 - Management and hosting of numerous platforms (mostly Debian, a few Gentoo) for clients (M21 Editions, KDP Groupe, NetAnswer, etc), using redundant technologies (DRBD, iSCSI, MySQL master/master, bonding, etc)
 - In partnership with *Eulerian*, development of their own network, dispatched between two distant datacenters, with a redundant black fiber between them, and creation of their AS (50234). Management of the RIPE forms, and the RIPE db; configuration of pairs of Cisco 6500 and 3560 to ensure maximum availability and redundancy (BGP, eBGP/iBGP, OSPF/OSPFv3); network in full IPv4 and Ipv6; management of the peering relationships on Equinix-IX (for now).
- **2008-2009:** mission for *Bred* (french bank)
 - Architecture, implementation and deployment on production of the IPAB system (web service of online account statements for their customers, with secure SSL access) (Linux RedHat « home », Apache reverse proxy, Apache, SSL, MySQL, PHP, LAMP, jailbox, chroot, NFS, heartbeat, bonding, iptables; bash scripting of production batches)
- **2006-2007:** mission for *Europages* (french business directory)
 - Complete overhaul of their mail systems, ensuring for availability and redundancy (FreeBSD, Postfix, Courier-IMAP, WebMAIL, MySQL)
- **Miscellaneous over the years:**
 - A number of “firefighting” missions, ranging from broken servers due to bad updates, to software deployment across multiple educational institutions, and going through the installation of a fax-server using Hylafax.

And before...

2000-2002: Network and system administrator, *Profile For You*

- Responsibility for the system and network team, reporting to the IT director
- Interaction with the development team, working at finding common grounds
- management of suppliers and hardware
- platform used Cisco switches for access, and Foundry ServerIrons for load-balancing
- multiple MySQL servers in master/slave state
- Management of the development servers, test, pre-production and production servers (deported to the Colt datacenter in Paris)
- Setup of a backup solution for firewalls, internal and external network, RAID servers for the DB, and encrypted tunnels for secure communications

1999-2000: System administrator, *Certix/Worldnet* (ISP)

- First approach of work and of the Internet from a provider view
- deployment of a proof of concept platform to replace the previous mail servers under the supervision of a senior administrator (F. Nguyen)
- Study for servers for the Kobby platform (epager)

Miscellaneous

- Fitness: mostly Pilate and stretching
- TV series (CSI, Dr Who, Sherlock, BigBangTheory,...) and movies
- Books, mostly SF
- Music, mostly jazz, hard rock, blues and classical
- Cooking, food and wines amateur