

Pierre-Philipp Braun

Speaking French - English - German

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INFRASTRUCTURE ANALYST/ARCHITECT

Deploying & Linking Networks

- WAN - OpenBSD / NetBSD IPSEC
- Layer 4 firewalling - OpenBSD pf & pfsync or NetBSD ipfilter
- Layer 4 load balancing & HA - OpenBSD pf & pfsync or NetBSD ipfilter & [CARP](#)

Deploying & Migrating Storage Facilities

- Shared Filesystems & object oriented storage - Benchmark Redhat Ceph or Community Ceph vs Apache Hadoop
- Indexing Cluster - [Elasticsearch](#) recommended on bare-metal for best performance

Deploying & Migrating Infrastructures

- Virtualization - Linux KVM & XEN powered OpenStack
- DHCP & DNS - DHCPD, BIND
- Directory Services & SSO - Samba4 & CAS v5 (SAML2, CAS3, OpenID, etc. capable) (instead of Redhat IdM 389 DS, Apache DS and OpenLDAP)
- Email & Groupware & Chat - Postfix / Dovecot / Roundcube / CalDAV / Sieve / XMPP Jabber (instead of Zimbra or OBS)
- Bug Tracker & Support / Helpdesk - [Redmine](#)
- Performance & Resources monitoring - [M/Monit](#) vs Grafana & co.
- Documentation Management System - [Gollum](#) ([with tweaks](#)) + Omniauth
- Databases - [MariaDB](#) ; (see Elasticsearch above in Storage & Facilities)

P2V, Dockerize & Hardware Removals

- Migrating applications to Docker containers
- P2V by any means to migrate systems to other datacenters with almost-no-downtime
- Transporting ok-hardware or [getting rid](#) of obsolete-hardware once the systems are P2Ved or apps are Dockerized

Deploying & Migrating DevOps' tools

- Designing application deployments with Docker (using official images as well as building [custom](#) ones)
- JAVA apps - benchmarking OpenJDK vs Oracle Java and running [Tomcat 8](#)
- Code Versioning - Git & [GitLab](#) on-premises
- SCRUM/Kanban - Tuleap on-premises
- Bug Tracker & Support / Helpdesk - [Redmine](#)

WORK EXPERIENCE

Infrastructure Analyst

Since Oct 2015

SIMIA Open Source Intelligence

- Jul 2016 – Dec 2016: Buyin at Issy-les-Moulineaux, France

- Designing systems & network architectures improvements for better production uptime, incident response delays, maintenance and security
- Setting up systems and deploying applications in docker containers

Technical env: NodeJS, MongoDB, MariaDB/MySQL, ElasticSearch, PHP, Symphony, Ubuntu Server, Docker, CentOS

- Oct 2015 – Jul 2016: Mycom OSI at Puteaux, France

- Maintaining operations for very resource demanding developer teams (the product they are coding handles heavy I/O), adjusting CPU, RAM and esp. disk & filesystems without rebooting the virtual machines!
- Setting up I/O monitoring to better review and handle the load and detect abuses and malfunctions (actually help the devs to improve their code ;-)
- Setting up a distributed shell to for hand-made centralized maintenance

Technical env: EMC VNX 5300, VNX 5200, Oracle ZFS Storage 7320, Brocade SAN switches, Cisco ASA firewall, Dell PowerEdge servers, VMWare ESXi, Debian GNU/Linux, Ubuntu Desktop and Server, Redhat RHEL, CentOS, MariaDB (reborn MySQL), SQLite, Apache, Tomcat, OpenSSL, NFSv3, NFSv4, Samba3, Samba4, OpenLDAP, BIND, Microsoft Active Directory, Nagios, M/Monit, Grafana/Graphite/Collectd, ElasticSearch, Logstash

Systems & Network Engineer

Sep 2013 – Jan 2015

Immotec at Pau, France

This was a small company so I initiated the whole IT setup, including DNS, public website and internal services using Linux & BSD systems and Open Source solutions.

Technical env: Low-cost NAS by Synology, HP Proliant servers, NetBSD/XEN, Slackware/XEN, Redhat RHEL, CentOS, PHP/MySQL, SugarCRM, Samba3/LDAP, Samba 4, Sendmail (no spam – SASL authentication, DNSBL/RBL anti-spam, greylisting, ClamAV-milter and finally Procmail enabling a Bayesian filter), Dovecot, Roundcube, OpenVPN, IPSEC

Systems & Network Consultant

Dec 2012 – Jul 2013

ARES SSII and then SCC Global Services, France and world-wide

Technical consulting on top of value-added hardware deliveries (SCC and before that, ARES SSII are/were HP's major reseller):

- Deployed countless VMware infrastructures, Redhat systems and Oracle Databases, and then explained the IT teams how to use it (always documented: installation and maintenance)

- Provided countless custom Systems integration and tech consulting on e.g. migrating Oracle DB (idem, documentations written and provided to customer every time)
- Teaching/Training customer's teams about Linux systems (idem)

Technical env: All kinds of servers, even exotic HP9000 PA-RISC RX6600 & HP Integrity, storage bays and network switches, since the company was delivering hardware. Redhat Identity Manager (IdM), Samba4, VMware ESXi, Oracle Database, HP/UX 11iv1 and 11iv3, MC/ServiceGuard (HP/UX), HP/UX and Redhat RHEL

Systems & Network Consultant

May 2009 - Jul 2010

D.FI Services at Meudon, France

Systems integrations & technical consulting:

- deep-dive troubleshooting when customer where blocked in inextricable technical problems
- migrations related to hardware sells (DFI is also partly a hardware reseller!)

Technical env (hardware): HP EVA, Storagetek 2540, HP Integrity rx2660, bl860c , rx3660, rx7640, HP9000 PA-RISC rp3440, rp5470, SUN V880, Cisco and HP Procurve network switches and all kinds of x86 servers

Technical env (software): Redhat RHEL, RHCS, GFS, HP/UX, HP Integrity VM (HPVM), Oracle Database, Samba3/LDAP, FreeBSD, Oracle VM x86, Symantec Filestore (distributed NFS), Solaris, even SunOS 4, IBM Lotus Domino, IBM AIX, IBM GPFS for RHEL, Tomcat and Apache reverse proxy, HA & load-balancing cluster setups

Systems & Network Engineer

Jan 2007 - Mar 2009

ARES SSII and then SCC Global Services, France and world-wide

Just like between Dec 2012 - Jul 2013 above, but on a longer time, hence the longer technologies list.

Technical env (hardware): HP HP9000 PA-RISC, HP Integrity, IBM DS4000, DS8000, SPARC64 servers, IBM RS6000, several HP c7000 enclosures with blades and integrated network switches, IBM pSeries

Technical env (software): Korn Shell (KSH), Oracle Database, Oracle RMAN, Oracle OCS Groupware, Redhat RHEL, RHEL network bonding, RHEL Kickstart, HP/UX, Solaris SPARC64, VMware ESX3,4, Samba/LDAP, P2V migrations with Novell Platespin, Converter and also manually (Ghost4Linux), PHPSyslog-NG with MySQL, Nagios, Squid, BIND, RHEL5/XEN, IBM AIX, Sendmail,

Systems & Network Administrator

May 2005 - Jul 2006

Netline, Liège, Belgium

- Setting up the Sunrise for the .EU TLD as a registrar
- Maintaining Fedora Linux for hosting
- doing some HTML and CSS (web design)
- dealing with customers

Technical env: Fedora, Big Brother, Apache, PHP/MySQL, HTML, CSS

Hotline Manager

May 2005 – Jul 2006

Club-Internet (T-Online) at Paris, France

Club-Internet was the major Internet Access Provider in France in the late 90's and early 2000's. I was support level 1 and then level 2 manager (there was no level 3 at the time, we didn't need any ;-)

EDUCATION

Redhat Certified Engineer (RHCE)

Redhat Inc. 2013

Master of History and Science and Technology

Ecole des Hautes Etudes en Sciences Sociales, 2012

Novell Certified Linux Administrator and Professional (CLA & CLP)

Novell Inc., 2008