

# Pierre-Philipp Braun

Speaking French - English - German - learning Russian

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## INFRASTRUCTURE ANALYST/ARCHITECT

### Infrastructures Consulting

- Pre-sales on server hardware (Xeon vs Opteron vs AMD ARM) and custom builds (software clustering architectures allows non fully redundant hw)
- Redundant BSD powered firewalls & WAN links (IPSEC)
- Layer 3 (BSD powered) vs Layer 5-7 (NGINX) load-balancers
- Strong anti-spam Postfix front-ends
- BIND+DHCPD+LDAP+CAS for DNS, DHCP and SSO-enabled Directory Server/Service
- KVM + XEN + Docker/Kubernetes powered OpenStack and SaltStack
- Grafana vs Kibana vs Nagios XI performance graphs
- Ceph vs Apache Hadoop for Storage Facilities
- Gollum, Redmine Wiki or Moodle for Documentation Management
- Redmine for R&D bug tracker as well as for IT helpdesk
- GitLab + ICEScrum vs OrangeScrum vs Tuleap for R&D
- Slack.com vs XMPP Jabber vs Telegram for workgroups

### Migrations & Conversions

Migrating Microsoft datastores and services to Open Source facilities e.g.:

- MS Exchange to BlueMind or (Postfix + Cadaver/CalDAV + Sieve + Dovecot + Roundcube)
- MS Active Directory to OpenLDAP or Samba v4 or Apache DS + CAS SSO
- Migrating Windows Java services to Linux/Java
- Migrating Windows Oracle Database instances to Linux/Oracle or possibly Linux/MySQL Linux/MariaDB

Getting rid of old hardware and old P2Ved VMs:

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

## WORK EXPERIENCE

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### Infrastructure Analyst

Oct 2015 - Jul 2017

SIMIA Open Source Intelligence

- Jan 2017 - Jul 2017: IPC Systems at Montreuil, France

- Project manager for the deployment of a new application
- DevOps training the Ops&Support teams to operate the application

**Technical env:** VMware, RHEL, CentOS, Tomcat, RabbitMQ, ElasticSearch, Kibana

- 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**

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### **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*