







# Xavier Beaudouin


## SYSTEM & NETWORK ADMINISTRATOR

-  dual skills
-  curious
-  team player and autonomous
-  enthusiast

*20+ years of Networks & Opensource Systems Administrator*


 kiwi-cv@oav.net

 oav.net


 +33 6 6263 3366

 xbeaudouin

 xbeaudouin

 November 6th 1972

 FR,EN

 21 RUE DU PLATEAU  
54400 LONGWY  
FRANCE

## Skills

System	★★★★	Network	★★★★	Monitoring	★★★
IT Infrastructure	★★★★	Development	★★★	Security	★★★★
Project Management	★★				

Systems	FreeBSD, OpenBSD, Linux, Mac OS X, Windows
Network	TCP/IP (IPv4 & IPv6), Cisco (IOS *, NXOS, ...), Juniper, Ubiquiti, Wanguard, Arbor
Routing Protocols	BGP, BGP Flowspec, OSPF, ISIS, PIM
SAN/NAS	NetApp, Isilon, Samba, iSCSI, FCP, FCAL, FCoE, Nexenta
LoadBalancers	F5 Big/IP, Foundry ServerIron/ADX, Aloha, Relayd, nginx
Firewall	Ipfw, pf, pfSense, Sophos, ASA
Programming	Perl, Shell, C, python, HTML, SQL, lua, arduino, git
Virtualization	VMWare ESX, Xen, Qemu, bhyve, UCS, Veeam
Other	Librenms, Observium, puppet
FreeBSD	Poudriere, BastilleBSD, VNET

# Experiences

---

*Since Nov 2017  
Luxembourg*

## **Network & Systems Engineer**, Hotcity SA

### Hosting and network platform

CISCO, EXTREME  
FREEBSD, DEBIAN  
RIPE, BGP, NETFLOW  
WIFI 802.1X  
PUPPET  
VMWARE, ZFS

- > Move the VM from VdL to Internal ESX (hardware, storage, ...)
- > Changed OS from Linux to FreeBSD (PXE, poudriere, ...)
- > Automation of the platform
- > Dual stacked all that can support IPv6
- > Review all processus of all software used
- > Monitoring all VM, capacity planning, alerting
- > RIPE work, make all the network redundant,
- > Simplify all the network
- > Redesign the NAT system to be fault tolerant
- > New brand of wifi HW, and deploying on customers
- > Expert in OS and Network
- > R&D
- > Hosting platform for Wordpress and Jails

*Jan 2017 - Nov 2017  
Luxembourg*

## **Network & Systems Engineer, NetOps**, BSO Network

CISCO, BROCADE  
LIBRENMS  
DEBIAN

- > NMS optimizations and deployment
- > Network automatization
- > R&D

*Sep 2015 - Jan 2017  
Strassen, Luxembourg*

## **Network & Systems Engineer**, Gandi

### Backbone redesign

CISCO ASR, NEXUS 5K/7K, 65XX  
BROCADE ADX, F5, ALOHA  
BGP FLOWSPEC, OSPF, NET-  
FLOW  
DEBIAN, FREEBSD  
ARBOR, WANGUARD

- > Changed from cold to hot potato of the backbone
- > Transit, Peering, IPv4 marked, Ripe work & automation
- > DDoS handling with automatics strategies
- > Network accounting and financial reports
- > Technological solutions deployments to reduce operational costs
- > Technical solutions advisor for corporate sellers
- > Expert in Load balancers
- > Supermicro Hardware guru

*Feb 2013 - Sep 2015*  
*Paris*

**Network & Systems Engineer**, Horizon Software

IT Securization / Rationalization / P2V

CISCO, NETSCREEN

VMWARE ESX, PROXMOX, P2V,

VEEAM

UBUNTU, DEBIAN, WINDOWS,

NEXENTA

SAMBA, ACTIVE DIRECTORY,

PUPPET, OBSERVUM, LDAP,

RANCID

- > Setting up a small business server room
- > OpenLDAP to Active Directory bridge
- > Migrating netscreen to dual pfSense firewall
- > Automation of all linux
- > Network Management System with Observium
- > Authentication Unification with LDAP & AD
- > VPN access for road runners and remote users
- > Security officer

*Jun 2012 - Jan 2013*  
*Montigny-le-Bretonneux*

**R&D Engineer**, AFNIC

JUNIPER

PYTHON, DNS, NODEJS

- > Team leadership of R&D engineers on official publication with ANSSI & AFNIC
- > DNS R&D
- > Link of production world and R&D world
- > Designing and developing of a web UI to DNSWitness data

*Oct 2011 - May 2012*  
*Paris*

**CTO**, Teclib'

CISCO

DEBIAN, FREEBSD, WINDOWS

VMWARE ESXi

NETGRAPH, VTUN

- > Managed a team composed of 4 network & systems administrators
- > Technological solutions deployments to reduce operational costs
- > Partnerships with NetApp, Cisco, VMWare, Juniper, ...
- > Calls for Tenders replies
- > Sustained/presales engineer Systems & Network Solutions
- > Designer of SaaS, Managed Hosting & Security Solutions
- > R&D on new technological solutions for Customers
- > Encrypted L2 VPN over ip
- > Customer's network migration and QoS over low bandwidth xDSL

*Feb 2010 - May 2011*  
*Paris*

**CTO**, So-Privé Cloud Computing - OutScale

Startup company - Ownership

CISCO UCS, NEXUS, FORCE10,  
BROCADE

XEN 4.0.1, VMWARE ESXi

NFS/RDMA, NEXENTASTOR,

ISILON, NETAPP CLUSTER

PXE, KICKSTART, RPM

- > Managed a team composed of 3 developers and engineers
- > Architect of a cloud computing platform : AMPQ, network, storage, datacenter
- > Consulting for datacenter choices and day to day administration
- > Architect of cloud computing platform v2 with Cisco UCS, Nexus, private cloud
- > RIPE work, IPv4 et IPv6, peering and transits
- > Designed an hybrid storage engine based with ZFS & SSD.
- > Automatization of installation of nodes with PXE, Kickstart & RPM

Mar 2007 - Feb 2010  
Paris

**Network & Linux Manager**, Capital Fund Management

CISCO, JUNIPER, BROCADE,  
CWDM  
BGP, OSPF, PIM  
DEBIAN, REDHAT, FREEBSD,  
OPENBSD  
RPM, KICKSTART, ZFS  
ISC-NTPD, NAGIOS  
OPRA, NYSE

- > Complete redesign of the network (2 atlantics links, 7 datacenters, 7 fibers, ...)
- > Complete redesign of the internet access: PI, AS, RIPE, firewall & proxies
- > Designed and deployed the new trading architecture based on multicast
- > Deployed Sun Grid Engine cluster to allow computing of financial data
- > Internal Linux server administration (300 to 500 servers)
- > Industrialization of the Linux Redhat installation process
- > Deployed ISC-NTPd (stratum 2)
- > ZFS based file servers specifications
- > Installation of opensource monitoring systems
- > Anycasted sensible services: DNS, PXE, DHCP

Jan 2006 - Mar 2007  
Le Plessis Robinson

**Network & Hosting Manager**, Kheops Organisation

CISCO, BROCADE, FORTIGATE  
BGP, OSPF, CWDM, NETFLOW  
FREEBSD, DEBIAN  
DNS, RADIUS, ROUTERS2.CGI  
NETAPP, CIFS, ISCSI

- > Complete redesign of the network backbone from a L2 system to complete L3
- > xDSL collect using LNS and Radius
- > 120sqm Datacenter operations : planning with third party, customer's access
- > Designed and deployed strategical ISP services
- > Expert in network and Unix for company's customers
- > Research about making redundant xDSL access for customers
- > Deployment of storage solutions with Netapp
- > Sustained for customers and internal network problems
- > Managed a small team of part time employee and trainees

Jul 2005 - Jun 2006  
Levallois

**Network & Systems Architect**, Atradius (Groupe Etoile)

AIX, LINUX, WINDOWS  
CITRIX, BEA/WEBLOGIC, SAMBA,  
KEEPALIVED

- > Disaster recovery plan design and deployment
- > BEA/Weblogic administrator, AIX, Linux & Citrix administrator
- > Expert in System and Network technologies for a 4 persons team
- > Technological solutions deployments to reduce operational costs

Jan 2000 - May 2005  
Paris

**Project Team Leader**, Tiscali Enterprises (Cable & Wireless / ISDnet)

F5, FOUNDRY NETWORKS, CISCO  
FREEBSD, SOLARIS, LINUX, BSDi  
POSTFIX, SENDMAIL, BIND  
NETAPP  
CAUDIUM  
PIKE, C

- > Architect and researcher for all B2B systems with security in mind.
- > Sustained engineer for: load balancers, switching, OS, OSS & storage
- > Managed a team of 2 pike developers
- > Project leader of Open Source webmail software : CAMAS
- > B2B platforms: industrial web hosting, webmail and homepage system, ...
- > Administrator & Security officier of B2B Platform

Dec 1998 - Dec 1999  
Paris

CISCO  
LINUX, OPENBSD  
FIREWALL

**Network & Systems Administrator and Architect**, Intégra (Ippolis Informatique)

- > Securing, fiabilization of a 3 media platform with OpenBSD and Linux
- > Redesign the internal L2 networks
- > Installed the backbone and managed daily peering work
- > Mail server under Linux with webmail and web interface to handle provisionning
- > Planning and IP renumbering for moving the production platform to a new site
- > Merge platform with mother's company

Jul 1997 - Dec 1998  
Paris

CISCO  
SOLARIS, LINUX  
MAIL, MAIL2FAX, WEBMAIL  
FIREWALL  
SENDMAIL, BIND, APACHE

**Network & Systems Administrator and Architect**, Société des Editions Historiques et Culturelles

- > Director of Operations for the Internet platform
- > Created and deployed an internet portal from French Historical "Patrimoine"
- > Deployed mail services : mail, mail to fax, firewall, webmail
- > Deployed routing access and services associated
- > Attempted to create a company with this portal

Sep 1995 - Feb 1997  
Paris

C  
MAIL  
NFS  
PAGE WEB  
SECURITY  
CISCO

**Network & Systems Administrator / Professor**, Ecole Centrale d'Electronique

- > C Language professor for the first year students in "BTS Electronic": 4h weekly
- > Implemented mail, Internet Services, official website, Internet access
- > Cisco access and configuration with an exclusive internet access partnership
- > Backup administrator for the entire network and servers of the school

## Education & Certifications

---

1993-1997  
Paris

**Computer & Network Engineering degree**, Ecole Centrale d'Electronique

1991-1993  
Vitré, France

**Associate Degree in Electronics (BTS Electronique)**, Lycée Jeanne d'Arc

1990-1991  
Saint-Brieuc, France

**French High School Diploma in Electronics (Baccalauréat F2)**, Lycée Sacrés Cœurs

## Miscellaneous

---

Car B Driving License  
Hobbies Scuba diving (Level 1), Trekking and foreign travels  
IT Hobbies RIPE Member, FRnOG "Member", arduino coding, domotic