XAVIER BEAUDOUIN
Network & Unix Systems Architect

WORK EXPERIENCE - 17 YEARS

CTO, <u>So-Privé Cloud Computing / Outscale</u> Paris, France 02/2010-05/2011

- Managed a team composed of 3 developers and engineers.
- Architect of a cloud computing platform : AMPQ, network, hybrid storage using ZFS and OpenSolaris, RIPE operations, peering, datacenter optimizations, day to day administration, Infiniband based backend for storage and inter-hypervisor communication.
- Consulting for datacenter choices and day to day administration.
- Architect of a new platform based on Cisco UCS, Nexus 5548 with VPC, and third layer storage with NexentaStor, Isilon and Netapp. The essential for cloud internal system is based on a VMWare ESX cluster with vCenter, vMotion.
- All Xen 4 hypervisors are based on Fedora 12 or 14 with internal repositories and RPMs. Kickstart with PXE.

Network & Linux Manager, <u>Capital Fund Management</u> Paris, France 02/2007-02/2010

- Complete redesign of the entire network using dynamic routing instead of static and flat switching.
- Kickstarted all the Redhat based systems, and deployed puppet for centralization of configuration for 300 to 500 machines on about 10 data centers in the world. Automatization of Debian/Linux installation and packages. Creation of internal RPM and debian repositories.
- Redesigned the internet access : add PI + AS, and maintained RIPE databases.
- Designed and deployed the new trading architecture based on multicast (financial network : OPRA, NYSE, ...) on Juniper and Cisco.
- Added proxies and security gateways based on FreeBSD and OpenBSD PF.
- Sun Grid Engine cluster was deployed instead of closed source software with different priorities and applications.
- ISC ntpd deployed for stratum 2 and 3. Nagios deployment and specifications. Research on ZFS based filers (with or without SSD)
- Helped to physicist researchers to customize packages and software (for about 60 people).
- Remote administration with a 5 person team of all the machines inside the company (around 500 to 800) around the world : New York, Paris, Frankfort, Tokyo.

Network & Hosting Manager, <u>Kheops Organisation</u> Le Plessis Robinson, France 01/2006-03/2007

- Complete redesign of the network backbone, added dark fiber, CWDM, redundancy and dynamic routing. Added ADSL collector (LNS + Radius) and system & network monitoring.
- Datacenter operations : planning with third party, customer access, ... for a small datacenter 120 sqm.
- Designed and deployed strategical ISP services : DNS, mail filters, network accounting and statisitics, radius, firewalls, industrial web and mail hosting.
- Expert in network and Unix for company's customers. Research about making redundant xDSL access for customers with Fortigate firewalls. Sustained for customers and internal network problems.
- Deployment of storage solutions with Netapp: CIFS, iSCSI, ...

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Network & Systems Architect, <u>Atradius (groupe Etoile)</u> Levallois, France 07/2005-01/2006

- Disaster recovery plan design and deployment.

- BEA/Weblogic administrator. AIX, Linux, Citrix administrator.

- Expert in System and Network technologies for a 4 person team.

- Technological solutions deployment to reduce operational costs.

Projects Team Leader, <u>Tiscali Enterprises (ISDnet / Cable & Wireless)</u> Paris 01/2000-05/2005

- Business to Business projects team leader: industrial mail, web, and internet access platform with high availability. Architect and researcher for all B2B systems. Security of B2B systems.

- Sustained engineers for : load balancers (F5, Foundry Network), switching (Foundry, Cisco), operating systems (FreeBSD, Solaris, Linux, …), open source application software (postfix, sendmail, bind, …), storage (Netapp, Raid cards, …).

- Managed of a team of 2 pike developers and project leader of a webmail derivated from IMHO : Camas.

- Many projects done for B2B platforms : industrial web hosting for Caudium, webmail for Caudium, industrial personal home page system, traffic shaping and handling of data streams on the network, secured hosting for data-center.

- Administrator of Unix servers, Netapp filers, and F5 Load Balancers for B2B platform.

Network & Systems Administrator and Architech, <u>Intégra (Ippolis)</u> Paris, France 12/1998-12/1999

- Securing, fiabilization of 3 media platforms using Linux based firewall. Renewed of all network of the company. Renewed all network of the company. Installed the backbone and managed daily peering work.

- Mail server under Linux with webmail and web interface to handle provisioning.

- Planning and IP renumbering for moving the production platform to a new site and merging with mother company.

National Service, Ministère de la Culture et la Communication Paris, France 02/1998-12/1998

- Intranet Technical Consultant during my national service. Sustaining and training in Internet technologies.

- Hosting platform for the intranet under Roxen

*Network & Systems Administrator and Architech, Société des éditions historiques et culturelles Paris, France
07/1997-01/1998*

- Created and deployed an internet portal for French Historical «Patrimoine»: web services, mail, mail2fax, firewall, webmail. Internet access with Cisco routers.

- Director of Operations for the Internet platform and attempted to create a company with this portal.

Network and Systems administror / Professor, Ecole Centrale d'Electronique Paris, France 09/1995-02/1997

- C Language professor for the first year students in «BTS Electronic»: a four hour lesson and computer work weekly.

- Implemented mail, Internet services, the official website of the school, and Internet access for all the students and professors. Cisco and Internet provider work and exclusive contact.

- Backup administrator for the entire network of the school.

NETWORK AND COMPUTER SKILLS

Systems	FreeBSD, OpenBSD, Linux, Solaris, Mac OS X, Windows
Network	TCP/IP, IPv4, IPv6 (since 2000), BGP, OSPF, ISIS, L2TP, Infinband, Cisco, Foundry, Juniper, VPN
SAN/NAS	Netapp, Isilon, NexentaStor, Samba, iSCSI, FCP, FCAL
Load-Balancer	F5 Big/IP, Foundry ServerIron, OpenBSD Relayd
Firewall	PF, ipfw, monowall, pfSense, iptables (basics)
Programming	Pike, Perl, Shell, C, HTML, RXML, SQL, PHP, ...
Virtualization	VMWare ESXi, vCenter, Xen 4, Cisco UCS
Other	Apple Pages, Keynotes, Microsoft Office, MySQL, OpenLDAP, Opsview, nginx, ...

EDUCATION

1997	Computer and Network Engineering degree from Ecole Centrale d'Electronique de Paris
1993	Associate Degree in Electronics (BTS Electronique), Lycée Jeanne d'Arc at Vitrée
1991	French High School Diploma in Electronics (Baccalauréat F2), Lycée Sacrée Coeurs at Saint Brieuc.

LANGUAGES

French	Mother tongue
English	Good operational level in everyday, business and technical context
Spanish	Basic knowledge
Chinese	Basic knowledge (can understand a simple everyday conversation)

LEISURE AND EXTRA-CURRICULAR ACTIVITIES

- **Associate founder** of Association Kazar, a non profit organization which helps people to access any internet services they like to have. See http://kazar.net/. Association Kazar is LIR, has two AS, four cabinets and has been on line since 1995 and was officially approved in 2001.

- **Scuba diving** first diploma.

- **Leader** of some opensource projects (and former leader of some others projects) : Caudium, **OpenVISP Admin**, **mod_vhs**, ... See http://oav.net/ for some of my projects.

- Driving license

- Trekking in many countries. Widely traveled in Europe, Asia (China, Mongolia, Nepali, ...) and enjoy meeting people.

- Learning Chinese

- Married since 2009

- Photography since 1990, converted to RAW format and Aperture software.