

# THOMAS GOUVERNEUR

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## Summary

I've always been focused on security and \*NIX world with particular interest in new challenges. Moreover, I've always been involved in computer software programming, this includes some advanced knowledges of C/C++ and good knowledges of Java.

As a System Administrator, I'm focused on improving day to day management by writing some scripts that could make our lifes better.

Furthermore, I'm constantly attracted to security world and try to keep up with the new technologies in this area.

I like the idea to have systems hardened and up to date.

Despite the fact that I'm mainly focused on system administration and security, I've also some good skills into networking, like IPv6 networks, routing protocols, cisco devices, routers, switches, firewalls, etc..

## Skills

### • Solaris Administration

- (Advanced) **Solaris:** 8 9 10+Zones
- (Advanced) **Volume Managers:** VxVM, SDS, ZFS
- (Advanced) **Management:** TLP, Live-Upgrade, Jumpstart, SMF
- (Advanced) **Security:** Kerberos, LDAP, Sun ONE Directory
- (Advanced) **Networking:** LACP, IPMP, Troubleshooting
- (Good) **Clusters:** Veritas Clusters, Solaris Clusters
- (Good) **Hardware:** Tx000, E15K, E25K, Mx000, V440
- (Good) **Various:** Kernel tuning, Legato, Tivoli, Oracle, Maestro
- (Key point) **Assets:** Good scripting ability, performance driven, stress-resistant

### • Linux Administration

- (Advanced) **GNU/Linux:** Gentoo, Debian, RHEL (RedHat), Slackware, SuSE
- (Advanced) **Packaging:** DEB, RPM, Ebuild
- (Advanced) **Disk/Volume Managers:** MD, LVM
- (Advanced) **Security:** GRsecurity, PaX, RBAC, (N)IDS, HoneyPot, iptables, dm-crypt
- (Advanced) **Kernel:** Tuning, LKM Coding
- (Advanced) **Clusters:** HeartBeat, DRBD, mysql-clusters
- (Advanced) **Networking:** IPtables, iproute, quagga, OpenVPN, IPv6, dynamips, LACP, Trunking, Bonding, Tunnelling, Complex firewalling
- (Advanced) **Virtualization:** VMWare, VirtualBox, KVM, Qemu, Xen, dynamips
- (Key point) **Assets:** Wide range of knowledge, passionated, in-depth knowledge of the system

### • Others Systems

- (Advanced) **BSD Like:** FreeBSD, NetBSD, OpenBSD
- (Good) **Windows:** 2k, 2k3, Active Directory
- (Basic) **OS/400, HP-UX**

- **Development**

- **Known languages:** C, C++, Java, PHP5 (OO)
- **Scripting:** UNIX Shells (bash, sh, ksh), Perl
- **Various:** L<sup>A</sup>T<sub>E</sub>X
- **Familiar with:** SQL, HTML, CSS, AJAX
- **Tools:** GCC, autotools, make, CVS, SVN
- **IDE:** ViM, Eclipse

- **Networking**

- **Known Protocols:** IPv6, IPv4, TCP/IP, DHCP, ICMP, UDP, SSL, SSH, Jabber, HTTP, FTP
- **Routing Protocols:** BGP4, OSPF, RIP, Static
- **Various:** HSRP, LACP, IPMP
- **Hardware:** Cisco, Linux x86, m0n0wall
- **Security:** VLANs, IPsec, OpenVPN, SSL, NIDS, Snort, Tacacs, LDAP, ARPWatch
- **Daemon softwares:** OpenVPN, Quagga, OpenBGP, Tacacs+
- **Troubleshooting:** wireshark, ettercap, packet-o-matic, snoop, tcpdump, nmap, hping, mtr, ...
- Good ability to troubleshoot network-related problems and find proper solutions.
- Up-to-date with new technologies, especially with IPv6.

- **Various**

- **Process:** Knowledge of ITIL process
- **Security:** Always been focused on security, good knowledges, ability to audit
- **Design:** Good analytics skills
- **Team:** Can take decisions, Team spirit, ability to motivate, can translate business needs into technical details.
- **Human:** Pleasant, Rigorous, Integrate easily within a team

- **Assets:** Ability to work within a team, autodidact, stress resistant.

- **Languages:** French, mothertongue. English, fluent, spoken and written.

- **Others:** Driver licence and car available

## Education

- **SkillTeam**—Brussels, BE  
*iSeries - i5: Condensed Technical Course*
  - Spring 2007
  - Introduction to iSeries and i5 under OS/400
  - 5 days
- **E.F.**—Brighton, UK  
*English course*
  - July 2006
  - 1 month of daily intensive English course
  - Hosted as part of an english family
- **InPrES Rennequin Sualem**—Seraing, BE  
*Bachelor degree in computer science - option network and telecommunications*
  - End date: June, 2006
  - Mention: good
- **Université Populaire Georges Cousot**—Dinant, BE  
*Qualification degree in electronics (A2)*
  - End date: June, 2003

## Experience

- **Belgacom**—Brussels, BE  
*Solaris System Administrator: Since Mar 2008*
  - Systems administrator Solaris 8, 9, 10, Zones
  - Known platforms : Sun 15K, 25K, E4500, V440, V480, 6800, T2000, T5000, ...
  - Part of Sysadmin team (8 people) managing around 1200 Sun servers.
  - Implementation of a Workflow, Process management, Lifecycle, Inventory, PHP team website.
  - Users support through ticketing system.
  - Tivoli Monitoring / Maestro Scheduling.
  - Oracle database.
  - Usage of ITIL process.
- **Inter Action Net Services**—Wavre, BE  
*Security Advisor: Since Mar 2008*
  - Security advise inside and outside of the company.
  - Management of Datacenter Network Security.
  - Consultancy missions.
  - Self-Employed.
- **Infrastructure Team, TI Automotive**—Liège, BE  
*UNIX Administrator: Sep 2006-Feb 2008*
  - GNU/Linux (40+), \*BSD (80+) and Solaris (10+) daily administration.
  - Management of virtualisation environment. (VMWare)
  - Development of Central Management Interface for m0n0wall.

- Proxy server integration with Active Directory.
  - Audit research.
  - UNIX Thin Station research.
  - Kerberos/LDAP Integration with Active Directory.
  - Troubleshooting of issues faced with Linux and FreeBSD.
  - Writing scripts to help administration and monitoring of systems.
  - Integrate an international infrastructure team.
- **ANAST, Université de Liège—Liège, BE**  
*End-of-study placement: Feb 2006–June 2006*
    - Research on VPN, firewalls, routing, DNS and GNU/Linux Hardening.
    - Usage of OpenVPN, Iptables, Gentoo GNU/Linux, Quagga, BIND9, Apache2, ...
    - UNIX Geek of the dept.
- **ANAST, Université de Liège—Liège, BE**  
*Analyst Programmer: July 2005–September 2005*
    - Implementation of a cost assessment software applied to the hull of ships.
    - Java language
    - Lead coder and analyst
    - On-site presentation and meetings at Chantiers de l'Atlantique (FR)
    - Usage of Oracle Database Server.
- **Internat Provincial Seraing—Seraing, BE**  
*Network Administrator: 2003-2006*
    - Managing internet and intranet access of +100 independant stations.
    - Use of opensource software.
    - Accounting, authentication and payroll management.
    - Voluntary help.

## Achievements and Activities

- Management of a VPN and network/security related development activities (2003–present).
- Management of a failovered and IPv6 enabled network divided in multiple geographical sites.
- Involved in some C/C++ programming in opensource software.
- Using virtualized environment in day to day.
- Writing of a technical blog from time to time.
- Maintainer of some personal Opensources projects (mainly PHP5)
- Process management, server inventory and lifecycle for a multi-entity park (+1200 server).