



Serge van Ginderachter

System Engineer

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PROFILE

areas of expertise

system engineering & integration • networking • security • Linux • Windows mixed environments • virtualisation • storage • technical trainer

SOFT SKILLS

personal skills

can work indepently • good interpersonal and communications skills • self-made, eager & quick to learn • analytical and solutions oriented • ability to solve problems quickly and automate processes • up-to-date on IT developments • can work within budgets and deadlines • people manager proficient in small teams • mediator role in conflict situations

key achievements

tested and implemented the first migration to Active Directory in early 2000 as a junior syadmin without external help • earned several vendor certifications through self-study and on the job training • managed to fix server down time by resolving problems on technologies outside my expertise • top-bottom design and implementation of multi-site company networks., including office LAN's, hosting environments, DMZ networks •

languages

dutch & french: native • english: very well written and spoken

TECHNICAL SKILLS

RED HAT CERTIFIED ENGINEER • MCSE

operating systems

solid understanding of operating systems • Red Hat Linux, Ubuntu Linux, Debian Linux, FreeBSD, OpenBSD • Windows Server since NT4 over 2000 and 2003 till 2008 • notions of Solaris

networking

solid understanding of TCP/IP networking and related services • network & protocol analysis • switching, 802.1 Link aggregation, 802.1Q vlan

virtualisation platforms

Linux: Xen, KVM, Ganeti cluster, notions of Citrix Xen • VMWare: ESX, VMWare Server • Sun VirtualBox, FreeBSD Jails, Linux v-server

storage

Dell EMC², NFS, SMB, iSCSI, LVM • EMC Celera, Navisphere, Unisphere •

server applications

Windows Server Systems, Active Directory • webservers: Apache (LAMP Apache, MySQL, PHP, Perl) • Exchange 2003, 2007, sendmail, Postfix, Spamassassin, Dovecot, Courier • Samba, BIND, Squid proxy, OpenLDAP • Windows Server Based Computing (Terminal Services, Citrix, desktop management)

security

OpenBSD Firewalling and VPN cluster • Linux firewalls: plain iptables, Shorewall, m0n0wall, pfSense, IPCop • VPN networking PPTP, IPSec, SSH, SSL, OpenVPN • network vulnerability scanning (Nessus, Wireshark, tcpdump, nmap, GFI) • antispam • Watchguard, Checkpoint firewalls • F5 Big-IP load balancer

system deployment & configuration management

PXE boot & install systems (preseeding, debootstrap, kickstart) • Nagios/Icinga Zabbix, cacti, mrtg • notions of Puppet

backup & recovery

HP OpenView Storage Data Protector • Symantec netbackup • Symantec Backup Exec • Arcserve • Bacula, rsnapshot, rsync, (off-site) synchronisation

databases

MySQL • Microsoft SQL Server • OpenLDAP • PostgresQL

tools & development

Source Version Control Systems (VCS): Git, Subversion, Mercurial, CVS

scripting

Bourne Shell, Bash, Korn Shell •
on a minor to basic level: Perl, SQL, KiXtart, Visual Basic, VBA

EXPERIENCE

16 YEARS

since 2007

<http://ginsys.eu><http://www.traininglinux.eu><http://ginsys.eu/expert>

february 2012 till present

2008 till present

part-time

november 2011 till
january 2012 (3 months)june till august 2011
(3 months)

2009 till 2011 (20 months)

2008 till 2010 (3 years)

part-time, evenings

2007 till 2009 (3 years)

Ginsys - self employed, freelance ICT Consultant

Infrastructure Consultant• ICT technical management• Network and systems administration• mixed Windows and Linux setups and interoperation• internet and intranet applications

teaching Linux courses for system administrators

Interceding as a (judiciary) technical expert in legal and non-legal disputes.

Linux System Engineer @ Flemish Government, Brussels
Departement Leefmilieu, Natuur en Energie

System Engineering in a **VMWare hosted** Linux environment comprising around 300 vm's running **Ubuntu Linux**, in a complex vlan-compartmentalised load balanced network•migration of services from Solaris to Linux•

Senior Infrastructure Consultant @ Velleman N.V., Gavere

infrastructure projects Linux & Windows, general ICT management• multisite networking• technical documentation project with collaboration platform• development and implementation of Linux backup strategy• migration of a locally hosted web infrastructure to a remotely connected datacenter• **deployment and maintenance of the webhosting platform** (Apache, PHP, MS-SQL)• server consolidation to **VMWare ESX** and maintenance • **Active Directory** migration Windows 2008

Windows System Administrator @ Digipolis (city of Ghent)

Part of the Server Systems Administrations Team• handling day to day administration on server level of a **large infrastructure** (350+ servers)• managing file server security and access (RBAC)• file server migration for several city departments• VMWare ESX 4.10• EMC Navisphere• EMC Unisphere• Active Directory• Exchange 2007• HP OpenView Storage Data Protector• Symantec netbackup

System Engineering en Project Management @ Centre
Hospitalier Jean Titeca, Brussels

Assisting the IT manager in the evaluation and the re-engineering of the whole infrastructure• translating project matters from **technical to functional**• reviewing the work and progress of external consultants• coaching junior support

Linux Expert @ University of Ghent, Intec, IBCN, IBBT

implementing and supporting a high-end, primarily **Linux based test lab** environment for university researchers• deployment of OpenLDAP infrastructure supporting email, Samba, VPN• firewall management• testing and implementing or supporting **virtualisation** (Xen, KVM, Citrix Xen, VMWare)• distributed computing (Emulab) **cluster** setup

Technical Trainer @ Syntra West, Kortrijk

training institute for business expertise: **Linux Training** for Sysadmins

Small Business Support @ Ginsys (self employed)

management, network & sysadmin support, Windows and Linux monitoring• backup• internet and intranet applications• remote and on-site management of small business networks• setup ad maintenance on Linux hosted web and database servers• consolidation on Microsoft SBS• technical Linux trainings

2006 till 2007 (6 months)	Service Delivery Manager @ Quadreon, Zwijnaarde consulting, managing & supporting on network infrastructures • assisting in technical pre-sales• project leadership• hands-on implementation and service delivery management• sizing, installing and managing Microsoft ERP environments.
2001 till 2006 (5 years)	Senior "Network" Engineer @ Orbid, Zwijnaarde/Merelbeke installing and supporting customers' network infrastructure•configuration of servers and IP networks•installation and customization of workstations•defining security rules and directory services•installing groupware solutions•define and document the installations•deliver detailed documentation and reports• pre-sales technical support engineering, administration and supporting an internal network environment consisting of about 150 clients and 30 servers connected to multiple sites• migration to a separate network environment• setup and tuning of Windows Terminal Servers•migrations from NT4 to Active Directory •migrations between Exchange 5.5, 2000 and 2003 •performing network audits, health scans, security audits•maintaining a DNS and e-mail infrastructure on Linux for supporting hosting activities.
2001 (6 months)	Network Administrator @ Living Stone, Sint Martens-Latem administration of a small NT4 (Exchange 5.5, IIS, 20 users) typical DMZ structured network• hosting DNS (Bind on Linux), web (IIS) and e-mail (POP and SMTP with Sendmail on Linux and Exchange on NT)• performed a network audit and reported action proposals
2000 till 2001 (2 years)	System Engineer, Developer @ Velleman Components, Gavere system administration of a single NT domain network•10 servers, 50 workstations and 10 remote users•problem solving and helpdesk support• planning and implementation of the migration from NT4 to Active Directory •automated software deployment through packages•setup and maintaining internet connection (leased line, firewall, routing, proxying)•file servers and secured folder structures (RBAC) and NAS integration through DFS•print servers•POP3 mail server•fax server•development of T-SQL queries and stored procedures on MS SQL Server 7 and 2000•implementations in Visual Basic, VBA and Access 2000•analysis of parts of the in-house developed ERP system
1997 till 2000 (3 years)	Internal Sales Engineer @ Velleman Components, Gavere Commercial experience: follow-up of the internal sales contacts and administration for French customers. I also made, in close collaboration with the IT department, a first analysis for a new module in the ERP software for the sales department. As a knowledge worker I made several database query applications for analysis of sales figures and as additional sales administration tools.
1996 (6 months)	Technical Services Field Engineer @ IBM, Brussels, Diegem Setup & maintenance of AS/400 systems; maintenance of laser- and matrix printers.

CERTIFICATION & TRAINING

[certifications](#)

2009: RHCE: [Red Hat Certified Engineer](#) Red Hat Enterprise Linux 5•
2008: VIK Ingenieur Expert®• 2006: LPIC-1: Linux Professional Institute• 2002-2004: Microsoft Certified Professional: [MCSE](#) Windows 2000+2003•MCSA SQL Server 2000•MCSA Windows 2000+2003

training

Implementing, Maintaining a Microsoft SQL Server 2005 Database•Hacking Course (DCB)•Symantec Enterprise Firewall, advanced administration•3COM Gigabit Switching, VLAN's•Exchange 2000

INTERNSHIPS AND PAPERS

- 1996 GE Power Controls, Gent, internship: analysis for the do-it-yourself market
- 1994-1995 Vynckier, Gent, internship & engineering master thesis: "Securing, controlling and logging lifecycle tests on electro-mechanical components." Development of a Turbo-Pascal automation application for data acquisition•internship introducing my master thesis: market research for hardware components.

EDUCATION AND DEGREES

- 2006 University of Ghent, Ghent, Introduction to the law for tribunal experts.
- 1996 Mercator Hogeschool, Ghent - Postgraduate 'European Business Management'
- 1995 Hogeschool Gent, M.Sc. - Industrial Engineer (ing.) in electronics and automation
- 1990 College Paters Jozefieten, Melle - Latin, Greek and Mathematics

PERSONAL

age born in 1972, married and father of two