

Harro P.J. Verton



Qualifications

- Seasoned ICT professional, more than 25 years of ICT experience
- Exceptionally broad and thorough technical knowledge and experience
- Skills: Project management, team leading, design and implementation of complex local and wide area networks, infrastructure, datacenters and service level management
- In depth expertise of Cisco, Juniper, Windows, Linux, MySQL, Novell, Exchange, Internet, Intranet, and related techniques and equipment
- Keywords: Vision, driver, challenger, loyal, quality minded, integer, team player, troubleshooter, result-oriented

Highlights professional curriculum



2003 - Present **Flemish Government, central ICT department Brussels, Belgium**
Infrastructure Architect (60%)

- Definition of the global vision and strategy towards network infrastructure
- Definition of the architecture of the network and datacentre infrastructure
- Definition of rules and guidelines for infrastructure implementation and operations



2003 - Present **Flemish Government, central ICT department Brussels, Belgium**
Network Manager (40%) (€ 6 M)

- Definition of rules and guidelines for infrastructure implementation and operations
- Management of all operational aspects with the ICT Service Provider
- Programme management of infrastructure projects

2000 - 2002 **Alcatel Contracting France** **Paris / London / The Hague**
Telecoms Project Manager

- Project: Turn-key delivery of an international fibre network.
- Project Management for design, planning and implementation of the Data Communications Network.



2000 **Cap Gemini Ernst & Young I.S.M.** **Nieuwegein**
Network Consultant, Large Accounts

- Networking Delivery Team leader.
- Network audits and consultancy for Large Accounts.



1998 - 2000 **Flower Auction (VBA)** **Aalsmeer**
Team leader, Project leader & Interim Manager

- In charge of Server Operations, Second Line support, Desktop R&D teams.
- Project leader Windows NT migration (1200 seats).
- Designed the new high-speed, fault-tolerant ATM network.

experts in information technology



1998 - Present **Exite** **Rotterdam**
Managing Consultant

- Co-founder, co-owner, and managing consultant.



1995 - 1998 **GE Capital TIP Europe** **Amsterdam**
Manager Infrastructure

- Project leader and manager of the network and infrastructure team.
- Design and rollout of European Wide Area Network.



1993 - 1995 **Getronics Software** **Amsterdam**
Senior Network Specialist

- Responsible for the IT infrastructure of Getronics Software and the Getronics Software Education Centre.

Personal information

Education **2008** **Optical and Next Generation Networks** **Barcelona, Spain**
CCIE level training course



- Architecture, design and implementation of next generation optical networks
- Service provider technologies, triple-play implementations
- IP over WDM transport and MPLS traffic engineering



2006 **Datacenter architecture and design** **Leuven, Belgium**
CCIE level training course

- Datacenter architecture and design, from physical layouts, cooling, cabling issues to ethernet and fibre-channel design, and high-availability, redundancy and business continuity considerations



2005 **MPLS Advanced** **Leuven, Belgium**
CCIE level training course

- MPLS Architecture, LDP specifications, operation and signaling, Differentiated services and Interworking possibilities



2004 **USF** **Leuven, Belgium**
Learning Internet & Internet Security Fundamentals

- Security policies and procedures. Hands-on overview of hacking techniques and counter-measures, which tools are used (or to use), how to detect, and how to mitigate.



2002 **PRINCE 2** **Amsterdam**
Practical Prince 2

- Preparation for the practitioner exam.

1998 - 9999 **C.C.I.E.** **Amsterdam**
Certified Cisco Internetworking Expert

- Various Cisco self study programs to prepare for CCIE certification.

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1997

Telinfo

Utrecht

Wide area networking

- Hands-on Cisco training for advanced network administrators, based on CCNP ACRC and CIT modules.



1996

C.N.E.

Amsterdam

Certified Netware Engineer

- Modules: NDS Design and Implementation, Service and Support, NetWare Administration, NetWare Advanced Administration, Integrating Netware with Windows NT



1995 - 1998

GE management training program

GE Crotonville Management Development Institute

- Teambuilding for Project leaders
- Management Skills for Leaders
- GE Quality Program for Management



1987 - 1990

HTS-Informatica (HIO)

Eindhoven

B.Sc. in computer science and software engineering

- Majors: Economy, Systems programming, Data administration, System development, Mathematical decision, Statistics and simulation, Technical management, Design.
- College 3-year curriculum, evening classes.

1981 - 1982

A.M.B.I.

Amsterdam

Modular College Curriculum, Software Engineering

- Modules: I.1 (Basic Informatics), HE.1 (Elementary Informatics), HE.2 (Elementary Information Knowledge), HG.3 (Working in Automation Projects), HP.6 (Data communications and networks), HS.2 (System development), HS.4 (Office Automation), T.5 (Programming in Pascal)



1976 - 1980

HAVO-B

Zierikzee

Senior High school

- Majors: Dutch, English, Math, Chemistry, Physics, Geografy.

Miscellaneous

- Extensive teamleader and (project-)management experience
- Datacenter, Local & Wide Area Network (incl. MPLS) design & implementations
- CISCO router/switch configuration and administration expertise (CCNP level)
- Internet/Intranet techniques (DNS, DHCP, SMTP, HTTP)
- Novell Netware NDS implementations
- Systems analysis & design experience
- SQL skills
- Programming experience (Assembler, C, VBA, VBScript, PHP, Python, HTML, CSS, et al)

Personal details

- Nationality: Dutch
- Residence: Dilbeek, Belgium
- Year of birth: 1964
- Gender: Male

Languages

- Dutch: Native
- English: Excellent

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- German: Adequate
- French: Reasonable

Contact info

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Comprehensive professional curriculum



2003 - Present Flemish Government, central ICT department Brussels, Belgium Infrastructure Architect (60%)

The Flemish government has centralized all ICT activities within the department of e-government and ICT, part of the Ministry of Government Affairs. This department is the owner of all shared ICT infrastructure, and uses an IT service provider to operate and maintain that infrastructure.

As Infrastructure Architect, my main assignment was to define a blueprint for a new ICT infrastructure, which was to replace the ageing environment. This blueprint should take into account the changing role of the department, from "owner of infrastructure" to "service provider", should provide support for Disaster Recovery and Business Continuity initiatives, and should implement end-to-end virtualization to allow maximum support for the independence of the internal customers.

After the approval of the high-level architecture, I worked on detailing the architecture of the different building blocks, and created the high-level design for these building blocks, after which they were handed over to the technical project teams of the IT service provider for implementation. Amongst the building blocks were:

- a CWDM and DWDM optical backbone infrastructure
- an MPLS backbone using 10G ethernet connections over WDM
- last-mile and LAN virtualisation
- a WAN optimisation infrastructure
- introduction of a second datacenter
- full (site-)redundancy of all network services
- full out-of-band facilities with support for third-party management

All customers of the ICT department can initiate their own ICT projects, with or without the use of shared ICT services, and with or without the ICT outsourcer. It was my role as Infrastructure Architect to ensure that these projects would fit in the overall architecture, that they would follow the guidelines and security policies, and if needed to change the architecture or published standards and guidelines to accommodate new (business) requirements.



2003 - Present Flemish Government, central ICT department Brussels, Belgium Network Manager (40%) (€ 6 M)

As Network Manager, I was responsible for the definition and the development of the long term infrastructure service strategy. The infrastructure under my responsibility comprises of a WDM and SDH physical backbone, an MPLS logical backbone, an Ethernet MAN in Brussels, over 400 sites connected to the national backbone, and over 15.000 connected users.

In July of 2003 the government signed a contract with a new ICT service provider, a consortium of EDS (now HP) and Telindus (now Belgacom ICT). In the role of Transition Manager I was responsible for a smooth and timely transition of all infrastructure related assets and operational services from the previous service provider (Siemens Business Services) to EDS-Telindus.

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I was also directly responsible for the operations in relation to the datacenter and network infrastructure. This included interaction with the ICT Outsourcer at the level of operational procedures and guidelines, and service level management.

Based on the architecture I defined over the years and programme managed an extensive project portfolio to implement new infrastructure based on the new design blueprint.

2000 - 2002 **Alcatel Contracting France** **Paris / London / The Hague**
Telecoms Project Manager

Alcatel Contracting designs and builds, as a turnkey solution, one of the largest fibre networks in Europe, in its first phase over 18.000 km, covering 9 countries. The network will be able to carry both dark and lit fibre, as well as IP managed services, from over 200 locations.

Within this project I was, as Project Manager, involved in the design, planning and implementation of the DCN (Data Communications Network).

I was asked to manage the design, installation and commissioning of the NOC (Network Operations Centre) and DRC (Disaster Recovery Centre). The objective was to design a fully redundant, geographically separated environment, using high-bandwidth connections and state-of-the-art technology. For both environments, I defined the IP address plan.

Being experienced in the area of operations, I was also involved in the preparation of the O&M contract (Operation, Administration & Maintenance) for the NOC and DRC, and the selection of staff for both environments.



2000 **Cap Gemini Ernst & Young I.S.M.** **Nieuwegein**
Network Consultant, Large Accounts

Cap Gemini ISM is a division of Cap Gemini Netherlands, which is engaged in the support of computer and network infrastructures, either by remote control or on-site, based on ITIL standards.

Within this division, the delivery team Networking (9 professionals) is responsible for the design, installation and maintenance of the network infrastructure of clients, and the connection of this infrastructure with the internet and the ISM NOC in Nieuwegein. The delivery team is also responsible for the operation of the network of Cap Gemini Benelux.

The infrastructure the delivery team supports is to a large extent made up of Cisco equipment, with all kinds of routers (from the 1000 to the 7200), Catalyst switches and RSMs and Lightstream ATM switches. Besides Cisco equipment some clients also use equipment from 3com, Ascend and Compaq.

In my role as Network Consultant I am responsible for the "Large Accounts", clients with large or complicated infrastructures. I also do security audits, and advise clients on infrastructure security. Based on these audits I assist the client in amending their internal policies. On the technical level we use both the Checkpoint Firewall-1 and the Cisco IOS firewall feature set (or in some cases the PIX firewall) for network security.

I'm also acting as team leader and mentor for the delivery team Networking. I provide them with feedback on technical issues and review all project and change plans from the individual team members.



1998 - 2000 **Flower Auction (VBA)** **Aalsmeer**
Team leader, Project leader & Interim Manager

As team leader / interim manager responsible for the following three teams:

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- the Server Operations team (4 professionals), responsible for the 16 Novell servers and the 14 NT servers, as well as user administration, security and backup and restore.
- the Desktop R&D team (9 professionals), responsible for the development of the workstation desktop, including the over 125 applications, as well as third line support for these applications.
- Second line support team (4 professionals), responsible for handling the incidents dispatched by the helpdesk.

As of January 1999, I also doubled as project leader for the NT implementation project. This project originally started in early 1998, but failed to deliver a proper NT server/NT workstation environment. One of my first actions was to dismiss the old development team, put a small new team together, and gave them the assignment to develop a new NT setup, based on my experiences in previous projects.

Goal was to deliver a low-maintenance and Y2K compliant environment within 6 months, which needed fewer servers, was more fault-tolerant and able to support laptops, remote and home offices. To achieve this, I decided to replace SMS by a better yet simpler software distribution mechanism. Because of the technical and financial requirements I've designed such a system tailored to the needs of the company and built it using Visual Basic and the Windows NT SDK.

Based on this new low-maintenance NT environment (over 1200 workstations and 40 NT servers, including database servers and an electronic commerce environment) I was able to reduce the number of employees, most of them were contractors, in the three teams from 15 to 8 as of January 2000, thus making a big contribution to the cost reduction plan of the ICT department.

Because of my experience in network design and my knowledge of Cisco equipment, I was asked to be a member of the team responsible for replacing the old 10Mb routed network environment. In that role I was responsible for the design of the new local area network, based on a high-speed, fault tolerant ATM backbone and 100Mb switched Ethernet to the desktop, all built with Cisco equipment.

I also assisted in the new VLAN design and the new IP number plan.



1998 - Present **Exite**
Managing Consultant

Rotterdam

Exite first and foremost provides superior consultancy services, using the highest qualified and experienced Information & Communication Technology personnel. The company is currently providing such services to organizations within the top 100 companies in The Netherlands.

Exite includes amongst its service offerings IT consultancy and advice, interim management and project management, total management of IT projects, delivery of hardware and software solutions as well as the control of IT installation activities.

Exite differentiates itself from other organizations offering such professional services because of the actual expertise it has on offer. Too many companies today claim to possess such expertise, yet in practice there is little to be found. In Exite's experience, excessively high rates have been charged (and paid), for moderate to substandard performance; and now the purchaser of such services has had more than enough of such unprofessional treatment. Therefore, businesses are looking for service providers with integrity as well as undisputed levels of expertise.

Mission Statement: "Exite promises to excel itself through the superior quality of service and expertise it provides to, and on the behalf of, its clients."



1995 - 1998

GE Capital TIP Europe

Amsterdam

Manager Infrastructure

Project leader and manager of the network and infrastructure team (of up to 4 professionals), leading a project that allowed the company to enter the 21st century.

The scope of the project was to completely replace the existing paper procedures and old mainframe technology by implementation of modern client/server and Intranet techniques.

This project was conducted in several stages, the first being the complete refurbishment of the Amsterdam head office, where all small and dark offices were replaced by open spaces and cubicles (150+ seats). The new infrastructure was based on UTP cat-5, with a fibre optic backbone structure, which allowed for future expansion. Also, a new computer and commsroom was built using the latest techniques in air-conditioning, UPS equipment, patch panels and fire control equipment. The first inhabitant of this room was the new AT&T digital PABX, which I configured for the new call centres and helpdesks, and integrated the voice-mail system into the PABX.

The next stage was the design of the new European Wide Area Network, which was based on CISCO routing equipment (2500 and 4000 series), and used the GE Information Services network for international backbone connections. This network now has over 150 sites connected in 12 European countries and links into Eastern Europe and the United States. While we were one of the first implementing ISDN as carrier for a network this size, I constantly improved the level of service by implementing new services as they emerged, such as frame-relay and channelized E-1.

Within two years the team rolled out over 600 PC's and 250 laptops, with a Windows for Workgroups based software set-up especially designed to be virtually maintenance free to keep the cost of ownership as low as possible. Users can download software updates and application for an Intranet web servers. These updates would install automatically after download without any user input needed, thus avoiding possible configuration errors.

Other major projects included the implementation of an Intranet, with applications written in JavaScript and VBscript that interacted with the Sybase database servers, the implementation of Microsoft Exchange server and the upgrade to Windows NT workstation.

Within three months the team developed a procedure to quickly load NT Workstation onto a PC or laptop, which installs itself completely unattended, therefore no specialised staff was needed and installation and customisation could be done by the average end-user.

All these efforts ultimately resulted in a large European network than can be controlled, maintained and expanded by only three network administrators.

Rewarded with two GE Management Awards, one for the leadership shown during this project and one for the implementation of software and company policies to prevent damage caused by viruses.



1993 - 1995

Getronics Software

Amsterdam

Senior Network Specialist

As a member of a team of 4 network administrators, as such responsible for the entire automation of Getronics Software, as well as the Getronics Education Centre.

I was also responsible for the design and implementation of the complete local area network, based on Novell NetWare servers, and a Microsoft Mail email system was implemented.

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I designed a special network environment for the Education Centre, which enabled students to download standard software set-ups (such as Windows, OS/2 and development platforms) for all available courses from a central server, thus reducing the need for highly trained personnel.

Technical consultant to the sales force, where I assisted the team in the preparation of quotations for the purchase and implementation of LAN and WAN environments.

Responsible for the sourcing of hard- and software, daily maintenance of the PABX, and the installation of PC's, printers, phones, modems and faxes.



1987 - 1993

Bruggeling Automatisering

Bergen op Zoom

Data communication Specialist / Programmer

I worked for this software consultancy company as a programmer and systems designer on several projects, most of which were of a very technical nature.

One particularly significant project was the development of 328x-controller emulation software for the IBM PC, which allowed IBM mainframe programs to print graphical information on low-cost PC laser printers.

Other important projects include an automatic -directional file synchronization system and an email-gateway, between an IBM mainframe environment and various Novell and Banyan local area networks.

In October 1988, Bruggeling Automatisering was acquired by Datex, which almost simultaneously was acquired by Getronics. As of February 15, 1993, Bruggeling Automatisering and Datex started conducting business under the trade name Getronics Software.



1985 - 1987

Royal Insurance

The Netherlands

(Systems-) Programmer

Initially hired as a Cobol programmer, within 2 months reassigned to the troubleshooting team. Responsible for localizing and fixing bugs in production systems.

The last 6 months member of the DOS/VSE to MVS system conversion team, responsible for the conversion of Assembly and Cobol/EasyRetrieve programs. Also charged with conversion tests.



1983 - 1985

Department of Education & Science, R.S.G.

Goes

Goes

Teacher

Teacher of "Computer Basics" to students of the 1st and 2nd grade (ages 14 to 16). Technical support aid for the classes of the higher grades.

Responsible for the first steps on their way to an automated administration system, designed around a couple of Tandy TRS-80 machines.

Developed an automated system for calculation, generation and verification of schedules.



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References

- Vincent H. Lemoine - Former Manager, Shared IT Services, GE Capital TIP Trailers Europe
- Pieter J. Huizinga - Former IT Director and CIO, GE Capital TIP Trailers Europe
- Bart van Donselaar - Former ICT Manager, Aalsmeer Flower Auction
- Ruud Noorman - Former Project Director, Alcatel Contracting, General Project Management
- Roger Malevé - Former Financial Director EDS-Telindus, Executive Director Telindus NV/SA, Telindus Group NV/SA
- Wim D.M. Martens - Manager Security and Architecture, Flemish ministry of government affairs, central ICT department

Please do not contact references without prior consultation.