

Dirk Valcke

Born: June 14th 1970 in Genk (Belgium)

Director, Valcke bvba

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Freelance Senior Consultant

**Solution Architecture; Infrastructure Conception & Design
Data Center & Hardware Platform Design
Networking (LAN & WAN) & Security Measure Integration**

Summary

My main interest and experience is in translating technology to business benefits and business demands to technological architectures, solutions and roadmaps.

I have been working in different roles (from operations to architecture to management advisor) and have been working with a wide range of IT technologies as networks, data centers, IPTel/VoIP and Telephony platforms, archiving, server platforms, database, document management and application development. I love to work in an international context and like to travel, regular to very regular site visits have often been part of my work.

During my last missions a very large part of my design and architectural work has focused on security. Secured Authentication to the Network, Securing Internet Infrastructures and developing frameworks to let large infrastructures evolve to secure, solid and 'business agile' infrastructures have been my key working points. The Multi-layer, strongly secure and flexible datacenter network concepts and design that I developed where a backbone for future projects and security approaches.

The realization of planned benefits is always a real challenge. My high success rate is essentially due to my relentless focus on the end-user / requestor, high conviction power and flexibility. I am used to take full ownership from conception to business benefit realization.

In my spare time, I am an addict to new technologies and to cars, and in order to relax a bit, I like dining and a movie.

(Last update 6-Apr-12)



Detail

IT – Business Experience

- Advice
- Requirements Definition and analysis
- Scenario/Alternatives/Test & Evaluation development
- Technology Trend Analysis
- Infrastructure & Security Architecture
- Operations Management
- Project Management
- Contract / Supplier Management
- Purchase Management

Technical Experience (hands-on + training over many years)

- Server & Storage
- MS Platforms: great number of platforms (see last pages)
- Data Center Design
- Networking (LAN, MAN, WAN)
- Telephony (TDM, VoIP, IP Connected)
- Backup and Archiving
- Database
- Document Management
- Application Development
- RDBMS (normalization, transactions, ...)

Personal Attributes

- Over 15years experience in IT for Financial institutions and large cooperation's.
- End-user / Requestor driven
- Ownership
- Conviction power
- Strong personality
- Flexibility
- Abstraction (translate requirements into tech. specs)
- Language
- Team worker when possible to fully independent when wanted/needed
- Sharing of knowledge with colleagues or less experienced people (sometimes includes instruction or teaching, also in context of handovers)

For all the positions and projects mentioned I can provide contacts and references within ING, Dexia, Fortis Investments (now BNP Investment Partners), HP, Telindus (now Belgacom), C-Cure, Cisco and other partners with whom I've worked together.

(More details on the last two pages)

My last positions:

Sr. Project Manager at ING group (Financial Group), from October 2011 till Nov 2012. I'm working to complete a running (handed-over from a very capable and likable colleague) project for "Secure Code Review", including the procedure to guarantee all departments and elements in the organization follow the new rules and regulations the group introduced. Another project is the "Log File Retention" project where we started from the beginning. We work to follow rules and guidelines from SoX and the Belgian Financial Regulator; project scope, plan, budget, requirement definition, vendor selection, etc, with a Team of Solution Architects, System Designers and Platform Experts. The project aims to deliver a scalable, stable, redundant and well-structured way to retain logs generated by all equipment and applications to allow later forensic analysis when requested or needed by law enforcement. Logs must be secured, tamper-proof and easily retrievable. The mission is for an undetermined duration.

ARISTA Period Nov 2012 – Jan 2012 as Consulting Enterprise Architect. I did this mission during my mission at ING, in agreement with ING, but outside of ING working hours. With the team at ARISTA we went over all items needed for the full outsourcing of the IT infrastructure. Went over preparations, requirements and expectations. We designed a fully new Security Perimeter together with Telenet Security (ex. C-Cure) on Palo Alto Firewalls with the Panorama Control Device. Segmented Data Network, Secure Remote working, Scaling and implementation strategies.

Dexia Technology Services December 2009 till October 2011 (Dexia Group is a Financial group). In a team of Solution Architects we are mainly customer facing to help identify the best solution to the requestor's question. We propose solutions and calculate the cost of the proposed solution, in preparation of the evaluation/acceptance of the project. In context of our more general task of developing standards and future driven frameworks I developed an overall approach to integrate security, flexibility and 'business agility' into one comprehensive approach.

Although part of the larger Solution Architecture team, my specific tasks envelop guiding a group-wide and structural set of Security related projects. For these projects I guide the path to multiple possible solutions and help (often via a PoC) the organization choose the best fitting solution for their needs.

A very large portion of my design and architectural work has focused on security. Secured Authentication to the Network, Securing Internet Infrastructures and developing frameworks to let large infrastructures evolve to secure, solid and 'business agile' infrastructures have been my key working points. The Multi-layer, strongly secure and flexible datacenter network concepts and design that I developed where a backbone for future projects and security approaches.

A well planned approach is needed and many negotiations and conversations with many stakeholders are needed to make progress in this often complex matter.

At **Suez/Electrabel (biggest electricity company in Belgium) my position was as Enterprise Infrastructure Architect, from August 2007 till November 2009.** In this roll I find solutions to current problems and challenges; help to respond to the fast changing energy market by developing and proposing new approaches to solve the questions brought to me. In a team of skilled colleagues we work as architect, but also function as Technical Project Managers, steering other persons and teams. In an international context I've been developing solutions for the offices and power plants throughout Europe. Specifically my work entails Emergency Call-Out-Systems, Remote Office Solutions, their infrastructure and new ways of integrated working using Europe wide stretched file server concepts, IT Infrastructure for Nuclear and Classic Power Plants (Survivability in case of disasters in the main data centers), ... and many other challenging projects.

At **HP Belgium (Jan 2007 – Jul 2007, predetermined duration)** I've been active as team member of **the Named Mission Critical Support Team for Microsoft products** for a period of 6 months (a predetermined contract length). In this position we are assigned, as named engineer, for a specific customer with very complex environments for whom we deliver a range of support duties.

The deliverables range from Microsoft Patch Advisory analysis, debugging of faulting applications, server applications and OS, debugging servers with boot or other problems and establishing possible causes, matched to possible solutions and paths that can lead to the solution.

At **Fortis Investments** I've been a team member of the Operations Department for 9 years (**Nov 1997- Oct 2006**).

[Generale Bank, Asset Management that split of in FIMAGEN, Asset Management to become Fortis Investments in its latest form, now in 2011 named BNP Investment Partners]

During these 9 years, I worked as an IT Consultant / Project Manager. During a first period of 5 years I produced Business grade applications, constructed Data Centers, build large WAN's, developed the LAN's in the different locations and given expert advice and presentations on technology advances within the sector so that the IT infrastructure can become a Business Advantage. Over time my responsibilities also included Project Management, Cost Calculation, Planning, Coordination, and Management Advisor. During 4 years I successfully managed international IT Projects for Fortis Investments in Europe, Asia and the USA. My responsibilities were always a mix of functional and technical tasks.

As Fortis Investments is a global company, I'm comfortable in an international environment and travel as needed, also for longer periods. My native language is Dutch. I'm fluent in French and English.

All installations are fully redundant and/or high available, running mission critical applications in an always-on environment. Time windows for installation and maintenance are regulated and applied.

For all the projects mentioned I can provide contacts and references within ING, Dexia, Fortis Investments (now BNP Investment Partners), HP, Telindus (now Belgacom), C-Cure, Cisco and other partners with whom I've worked together.

During this exciting 9 year period I designed, implemented and managed a whole set of different installations (in reverse chronological order);

- Addition of a Documentation and Change Management platform for the world-wide voice & video communication platform. (MS SharePoint Portal Server + MS Office InfoPath).
- Cisco Call Manager based Voice & Video platform over IP requirement analysis, conception, advise, design, implementation and management. A unified platform for all 14 countries and sites. Globally standardized and centrally managed. (including T.38 Fax over IP, RightFax Fax Server, Activa Solutions Voice Logging installations, Cisco Unity Unified Messaging, ... + the needed on-site user training)
- Siemens HiPath 4000, Voice over IP requirement analysis, conception, advise, design, implementation and management.
- New Primary and Backup Data Center Design and implementation.
- Designed the new Head Quarters building refurbishment (Tech side of the refurbishment)
- Design and Implementation and Management of the HP EVA5000 SAN Environment.
- Assisted with the design of the double redundant MPLS (outsourced) and the seamless implementation without business interruption.
- Design and Implementation of the 3 site MAN in Brussels. Dark-Fiber Based (over CWDM) interconnects for LAN and SAN.
- Conception, design and implementation of Remote Sites (in varying sizes, 5 to 300 employees, and requirements)
- Conception, design, implementation and management of the WAN (redundant star + partial mesh design) to all offices World Wide. Using Cisco Works as an administrative help and documentation platform.
- Conception, design, implementation and management of the LAN for all offices World Wide. Using Cisco Works as an administrative help and documentation platform.
- Design and implementation of different storage solutions. Compaq MA8000 SAN's in Synchronous Replication; HP EVA5000, redundant; Compaq TL895 Tape Libraries, HP MSL Tape Robots, Legato Networker; Double Take Replication Software.
- Design, implementation and management of the server farm. I also gave advice as to standardize the types of machines to allow a stable, well known environment. Using standard parts for easy and cheaper deployment, maintenance and upgrades. (+ the bonus of faster delivery as there is "standard" stock at the Hardware partner)
- Installation and Management of the OS'es + MS SQL Server Database Server. Redundant Cluster, Active, Active Operation with 1.2TB of data. I also installed Microsoft Clusters for other applications + for the corporate File Server, the file structure and security; it is holding 1.8TB of data.
- Analysis and development of applications in VB, VB.NET and ASP (web & intranet) for Business Applications (Batch processing using Windows Services), Batch Processing Tools as schedulers, event-driven program launches, calendar and time based program launches, follow-up and error tracking applications, ...

I also provide Technology/IT related advice to the Management based on the daily study of new developments, new hardware platforms and new operating systems. I follow the market and indicate new and alternative solutions for current installations or solutions to current issues. Unless otherwise requested I try to make my advice future driven taking into account the life span of products and the 'need' to be ahead of the pack and turn 'Change' into an advantage!

Further details can be given on request, this to limit the size of this document.

Personal Specific Details

Name: Valcke
First Names: Dirk Marcel Peter

Born: June 14th 1970, Genk (Belgium)

Marital Status: Single
Drivers License: B
Travel: International Passport

Languages: Nederlands (moeder taal)
English (very fluent)
Français (très bonne connaissance)

School Education: Bachelor in IT (night school)
A2 Electro / mechanics

Training: Cisco Call Manager (Voice over IP; certified)
Installation, configuration and management
Training by Telindus, 2005

Siemens HiPath 4000 (+ VoIP)
Configuration and management
Training by Siemens, 2005

HP EVA5000 SAN; Virtual Array
"On the job training" with HP Engineers, 2004

Compaq SAN & MA8000 SAN Storage; certified
Training by Compaq, 2002

Compaq Enterprise Storage; certified
Training by Compaq, 2002

Compaq Enterprise Backup; certified
Training by Compaq, 2002

Hobbies: Cars; Food (preparing and enjoying)
Following IT Market & study of new developments;
Building and testing environments, challenges!

Home Platform:

2x AD Controller on Windows 2008

1x SQL Server 2008

1x Forefront Server

1x IIS7 Web Server

3x Hardware Server with Windows 2012 + Hypervisor Virtualization

1x Full water cooled Gaming PC Win 8.1 @ 4.8Ghz with 1260mm Radiator (and 4x200mm fans)

Redundant Internet Connection: 100Mbit Cable (Numericable) + 30Mbit VDSL (Belgacom)

Specific Platform & Software Knowledge

Broad knowledge of the Microsoft Platform in general (MSDN subscriber + Technet Plus + registered OEM partner).

Operating Systems:

NT Server & Workstation; Installation, configuration, maintenance, support, usage tuning.
Windows 2000 Server & Workstation; Installation, configuration, maintenance, support, usage tuning.

Windows XP;	Installation, configuration, maintenance, support, usage tuning.
Windows 2003 Server;	Installation, configuration, maintenance, support, usage tuning.
Windows 2003 Server R2;	Installation, configuration, maintenance, support AD Domain Controller, AD+DFS File Replication
Vista;	Installation, configuration, maintenance, support, usage tuning
Windows 7;	Installation, configuration, maintenance, support, usage tuning
Windows 8.1;	Installation, configuration, maintenance, support, usage tuning
Windows Server 2008;	Installation, configuration, maintenance, support, usage tuning
Windows Server 2012;	Installation, configuration, maintenance, support, usage tuning
Windows Hypervisor Virtualization;	Installation, configuration, maintenance, support
VMWare Server:	Performance tuning Guest OS'es, performance analysis

+ configuration and maintenance of Windows CE or Windows Mobile devices
+ Android Device integration to Exchange (with remote wipe & encryption of data)
(including MS Exchange Push Mail)

On all platforms above and below also, MS Cluster Installation and Configuration using differential SCSI or SAN.

Server Applications:

MS IIS 5/6/7 : installation, configuration, maintenance, exploitation
MS Streaming Media Server ; installation, configuration, maintenance, exploitation
MS SQL Server 7, 2000, 2005, 2008 ; installation, configuration, maintenance, exploitation,
programming,
transact SQL en stored procedures,
linked servers,
hyper cubes,
replication
+ performance tuning

MS ISA Server 2000 & 2004 : installation, configuration, maintenance, exploitation
MS SharePoint Portal Server 2007; installation, (configuration), maintenance, exploitation
MS Project Server ; installation, (configuration), maintenance, exploitation
MS Exchange 2003 ; installation, configuration, maintenance, exploitation
+ Push mail Configuration on Server and Mobile Device
MS Exchange 2007 ; installation, configuration, maintenance, exploitation
+ Push mail Configuration on Server and Mobile Device
MS Exchange 2013 ; installation, configuration, maintenance, exploitation
+ Push mail Configuration on Server and Mobile Device

MS Virtual Server ; installation, configuration, maintenance, exploitation

HP Data Protector Backup Software; installation, configuration, maintenance, exploitation
NetTracker a Web Logs/Server Analysis Application; installation, configuration,
maintenance, exploitation

Telecom & Telephony

Cisco CAT OS, IOS, Routing, Switching, Spanning tree, channeling, OSPF, BGP, EIGRP, ...

Cisco Works a very advanced network monitoring, reporting, maintenance tool; installation, configuration, maintenance, exploitation

Cisco Unity a Unified Messaging System; installation, configuration, maintenance, exploitation

Cisco Call Manager a VoIP Call Control System; installation, configuration, maintenance, Exploitation

Active Solutions Verital VoIP Telephone Recording; installation, configuration, maintenance, Exploitation

Captaris RightFax; installation, (configuration), maintenance, Exploitation for TDM based en VoIP/FoIP T.38

eXpressions a unified messaging system ; (installation), configuration, maintenance, exploitation

PC Applications:

MS Project; installation, configuration, advanced usage

MS Office 97, 2000, XP, 2003, 2007, 2013 : installation, configuration, advanced usage + programming in office, VBA
Including MS InfoPath development.

MS Visio; installation, configuration, advanced usage

MS Visual Studio 2005; installation, configuration, advanced usage

MS Virtual PC; installation, configuration, usage

Adobe Photoshop 5, 6, 7; installation, configuration, advanced usage (batch processing)

Autodesk AutoCad; installation, configuration, advanced usage (lisp programming)

Autodesk 3D Studio Max; installation, configuration, basic to a bit more 3D modeling

...

Development:

Project Management (Management and monitoring, risk, change control, budget)

Requirements Definition (Use cases, User stories)

Testing Approaches (Stress testing, user acceptance, regression)

Centralized vs. Distributed Data and Logic (speed, availability, security, replications)

RDBMS Concepts (Normalisation, transaction management, concurrency management)

Estimating Approaches (Work effort, project schedule)

Fundamental Object-Oriented Concepts

MS Visual Studio 6 & VBA (MS Office)

Analysis and design + execution of advanced programs

MS Visual Studio 2003, 2005, VB .NET and ASP.NET development.

Analysis and design + execution of advanced programs

Complete Error Handling

"real" Windows Services, full functions (pause-stop-start), background programming or monitoring

(VB6 and .NET)

Command line applications using special API's and binary modifier (VB6)

or command line functions of VB.NET

Visual Interface, according to Microsoft look and feel (tree-controls, multi window, menu structure)

Using ASCII files, MS Access DB, MS SQL DB, MS AD Queries via ADO or ODBC

Business to Business automated data processing via files (also advanced as SWIFT messages)