



Curriculum Vitae

Fabrizio Poce

25 June 1974

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Profile

Solution Architect and Network Developer with large experience in Internet Service Providers, Telecom and Enterprise environments. Master Degree in Computer Science Engineering. Cisco Certified Internetwork Expert (CCIE #17366), TOGAF certified and several other certifications of Cisco and Juniper. Member of the ISOC chapter in the Netherlands.

I love to work with technology. I can helicopter-view on a challenge to define how ultimate business goals can be met, as well as dive into the technological details of development and design processes.

Throughout my career, spent first in Italy and for most of its course in the Netherlands, I have operated on a variety of business environments: Large Enterprises (engineering and designing WAN infrastructures, secure VPNs, campus switching), Tier-2&3 Internet Service Providers (operating and designing Internet peering and backbone architectures, broadband & triple play services), Large Datacenter and Telecom Fixed/Mobile environments (3G, 4G, IMS, convergence towards IP, cloud computing, Datacenter Virtualization and Overlay networking).

I graduated in Computer Science Engineering (Master Degree, 110/110 *cum laude*) at the "Roma III" University of Rome, in March 1999. I am Cisco Certified Internetwork Expert (CCIE), in Routing & Switching (CCIE# 17366) and I also hold several other IT/ICT certifications (such as TOGAF9, CCDP, CCNP, CCDA, CCNA).

I am a firm believer in technology standardization, which I find to be critical to the industry and to the market evolution, continuously offering us new opportunities for better results, newer applications or "just" lowering costs. I actually actively follow and collaborate on a best effort basis to such standardization as a member of the ISOC chapter in the Netherlands (e.g. providing review to some draft IETF RFC's).

Since 2001 I live in Amsterdam, where I live with my two lovely children.

Side Activity: My love for technology also expands to *audio-visual arts*. I have a past of active musician and collaborated (and still collaborate) on activities and projects with regard to audio visual real-time installations and software production (more information to be found on: <http://www.fabriziopoce.com/>)

Career Summary

2018 - present	<i>Architect at SSC-ICT (Ministerie van Binnenlandse Zaken, NL)</i>
2017 to 2018	<i>Inholland / KPN Consulting (Freelance Consultant)</i>
2016 to 2017	<i>Liberty Global (Freelance Consultant)</i>
2011 to 2016	<i>KPN (Solution Architect)</i>
2006 to 2011	<i>KPN / Telfort / Tiscali (Senior Network Architect)</i>
2004 to 2006	<i>LogicaCMG (Network Infrastructure Consultant)</i>
2003 to 2004	<i>Tiscali Nederland (Senior Network Engineer)</i>
2002 to 2003	<i>Trimote Networks BV (Network Architect)</i>
2000 to 2002	<i>Telecom Italia / TMI Ldt (System Engineer)</i>
1999 to 2000	<i>Italian Military Navy (Lieutenant Officer)</i>



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Career Detailed History

July 2018 – Present

Freelance Consultant

SSC-ICT (Min BZK, NL)

Architecture, high level and low level design creation for services of SSC-ICT in use by various Ministries of the Dutch government. Definition of SSC-ICT service roadmap. Technical expertise on board to various projects.

July 2017 – July 2018

Freelance Consultant

Inholland / KPN

Design and Migration of Inholland infrastructure to a new enterprise core layout. Creation and migration of two new datacenters (combination of on site and IaaS). Design, validation and testing. Workbreakdown and coordination of the migration for the Inholland IVT team.

June 2016 – May 2017

Freelance Consultant

Liberty Global (CNO)

Network Consultant at the Liberty Global Corporate CNO in Amsterdam. Optimization, automation and validation for to the LGI IP/MPLS worldwide tier-2 / tier-1 backbone (Aorta – the 4th largest core network on the planet). Traffic engineering of BGP peering and MPLS backbone. Datacenter and edge optimization. Mobile and IMS network optimization across the European locations.

January 2011 – April 2016

Solution Architect

KPN (NetCO NS&D ISA)

Solution Architect within KPN Innovation (NetCO NS&D ISA) and lead architect for all KPN Datacenter Services (KPN "ZARA" Datacenters). Responsible for architecture definition, alignment of the different development departments, definition of KPN service roadmap. Most significant work done on projects basis:

- *January 2011 – September 2011*. Mobile/Fixed IP Datacenter integration. Definition of the architecture, leading architecture and development role;
- *September 2011 – February 2012*. Internet Peering – architecture and peering strategy for Internet exchanges, Content partners, OTT (Over-the-Top, e.g. Google) providers including content caching;
- *February 2012 – September 2013*. Security Standardization for the KPN Datacenter in adherence to ISEF and CIS recommendations. Company-wide security policy for hardening network devices;
- *September 2013 – January 2015*. Lead Architect for the consolidation and SDN readiness of the major KPN Service Datacenters. Full journey from Business Requirements, RFP, architecture, high level design (HLD) co-authorship and supervision of the design process;
- *February 2014 – April 2016*: Lead Architect for the complete infrastructure consolidation of Fixed and Mobile networks of KPN to a single, shared infrastructure for all KPN services.
- *Non-project-based activities*: coordination and administration of the KPN Roadmap and Architecture "vision" for Datacenters, in cooperation with other lead solution architects of the KPN NetCO NS&D ISA unit.

April 2006 – January 2011

Senior Network Architect

Telfort / Tiscali NL

Within the KPN W&O NSO development team, responsible for architecture, design and development of network services of the KPN brand Telfort. Activities and responsibilities range from concept solution to actual development, including supervision of tests and major deployments.



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Most significant projects I worked on:

- *April – December 2006.* Development of a scalable DSL broadband service, including IP aggregation, metro Ethernet platform and overlay service architecture (data and voice). Work included platform selection (RFI/RFP), proof of concept, high level and detailed level design, deployment into production;
- *January – May 2007.* Extension of VoIP offering to Internet based subscribers, including security;
- *February – July 2007.* Concept design and proof of concept of a Tiscali fully managed IPTV / Multicast service;
- *June 2007 – January 2008.* Scaling up of MPLS core network at Telfort Internet / Tiscali, including design of BGP Internet exchange and private peering, visualization and MPLS VPN layout;
- *February – November 2008.* Extension of DSL broadband platform to include and integrate KPN access (WBA-A/E) into Telfort platform;
- *September 2008 – January 2009.* Integration of mobile access services (UMTS/HSDPA) and Telfort open charging environment within Telfort IP/MPLS infrastructure. Datacenter design and roll-out;
- *January 2009 – June 2009.* Topology optimization redesign and capacity upgrade of MPLS/IP Core network. Introduction of TE into the MPLS/IP Core;
- *June 2009 – February 2010.* Integration of 3G UMTG/HSDPA Mobile access at the Gi interface, including real time prepaid charging (Radius and deep packet inspection for charging);
- *February 2010 – December 2010.* Extensions to broadband access platform to include VDSL access. Upgrade Internet Peering layer and introduction of IPv6 transport on KPN / Telfort / Tiscali NL services;

Oct 2004 - April 2006

Network Infrastructure Consultant

LogicaCMG Nederland BV

2004 July 2005 - April 2006. Network Architect / Product Developer

Design, development and deployment of a solution for SS7 voice signalling over IP offload, targeted to PSTN and Mobile operators customers of LogicaCMG Wireless Networks. Deployment of such solution for Vodafone UK (in cooperation with Cisco Systems UK).

June 2005 – July 2005. Schiphol Telematics, Network Architect

High level design and technical consultancy for the customer during the RFI/RFP selection process, finalized to the extension of Schiphol Telematics wireless Hotspot infrastructure and services (ST is the exclusive service provider for the international airport of Schiphol, Amsterdam).

Oct 2004 – June 2005. SNT Nederland, Network Architect

Optimization and management of SNT Nederland BV (KPN Group) Wide, Metropolitan en Local Area Networks. Technical supervision of the deployment of a Call Center Voice over IP solution and related migration. Design and deployment of a secure VPN solution. Creation of a monitor and management overlay structure for the IP infrastructure.



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April 2003 – Oct 2004

Senior Network Engineer

Tiscali Nederland BV (Den Haag)

Lead responsible for the deployment and maintenance of Tiscali IP/MPLS core and aggregation network for the Netherlands, Belgium and Luxembourg countries. Activities: MPLS VRF/VPN configuration and maintenance; Traffic Engineering setup; deployment of broadband network roll-out (DSL/ATM); Deployment of a large scale dial in access platform; Responsible for technical escalations within the Network Operation Centre (NOC); Coaching and supervision of junior network engineers.

Oct 2001 – Apr 2003

Network Architect/Engineer

Trimote Networks BV (Amsterdam)

Technical design and development of TN services (WAN and VPN services) targeted to medium size enterprises (based on access technologies such IP, ATM, DSL, FR, leased lines, ISDN and on tunnelling, encryption, dial-in and multi-protocol routing); Customer's technical consultancy (i.e. datacenter design); Setup of TN NOC, including development of a new monitoring infrastructure; supervision of the NOC engineering team.

July 2000 – Oct 2001

System Engineer

Telecom Italia/TMI (Amsterdam/Rome)

Within the Sales Department of Telecom Italia / TMI Ltd Amsterdam, technical support in the pre-sale phase, for a portfolio of network services targeted to very large enterprises in Northern Europe (Benelux and Scandinavia); network design, engineering of routing and IP addressing schemes; customer technical consultancy and system engineering for existing customers (i.e. technical system engineer for the Douwe Egberts / SaraLee account).

May 1999 – July 2000

Lieutenant Officer

Italian Military Navy (Rome, Italy)

Network design and deployment of several local and metropolitan area networks, including major campus locations and on board of military ships; definition of the IP address scheme and support in the development of the OSPF routing scheme for the Italian Military Navy WAN network. Computer expert on ship "Nave San Marco" (L9893) during the period September - October 1999 (as part of the aid operation "Help for Kosovo and Albania").

Nov 1998 – May 1999

Ext. Consultant (part-time)

Praxis S.r.l. (Rome, Italy)

Part time job during the university years. Design, development and installation of web sites (written in HTML, Java and Asp languages). C programs (CGI) and Java applets.



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Skills & Experience

Business Skills

Skill	Experience
Business Requirements handling (business to functional/technical)	12 years
Opportunity / Business Case assessment (per-sale and pre-project)	12 years
Strategic Solution definition (conceptual and functional)	12 years

Architecture Skills

Skill	Experience
Architecture definition (TOGAF Foundation certified)	10 years
Service & Platform Roadmap management	10 years
Company Policy definition	8 years

Technical Skills

Skill	Experience
Design of IP Networks/Solutions/Services	13 years
Deployment of IP Networks/Solutions	14 years
Maintaining of IP Networks	15 years
IP Routing (BGP, ISIS, EIGRP, IGRP, OSPF protocols)	14 years
IP Multicast, MPLS-based multicast	8 years
MPLS technologies (L3 VPN, L2 VPN/VPLS, TE), LDP, MP-BGP, mVPN;	11 years
Metro Ethernet (xWDM, VPLS, PW, EVPN)	10 years
Datacenter Switching (Ethernet, Zoning, Policies, Cisco ACI)	14 years
Datacenter Virtualisation & Overlays (VXLAN, vSphere, OpenStack)	5 year
Load Balancing and Security for datacenters (F5, Cisco, Citrix)	8 year
Enterprise VPN technologies (DMVPN, IPsec, PPTP, GRE, NAT);	13 years
Firewalls/Security/IPsec (Palo Alto, Cisco, Fortinet)	9 years
Radius/Authentication/AAA	8 year
SNMP monitoring systems (various, incl. open source);	13 years
QoS technologies (DiffServ, DSCP, COS, MPLS)	11 years
Voice over IP (SIP architectures, Cisco, PBX emulation)	8 years
Voice signalling (SS7, SIP, H323, MGCP, Skinny)	7 years
Fixed and mobile convergence (4G/UMTS, SS7 signalling)	7 years
Netflow (export, collection and manipulation)	14 year
Cisco (IOS, IOS-XR, NX-OS, ASA/PIX, ISE, etc)	15 year
Juniper (JunOS, JunOSe)	12 years
Huawei, Alcatel-Lucent, Extreme equipment	10 years
UNIX (extensive Shell, Python and Perl scripting)	14 years
Complex Data Analysis using MS Excel and MySQL	11 years
Various Programming languages, API's and scripting (C/C++, Java, Javascript, Python, Perl, REST API, NETCONF)	10 years



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Languages

Dutch	Fluent
English	Fluent
Italian	Native

Qualifications / Affiliations

- **Master Degree** in *Computer Science Engineering* (University of "Roma Tre" in Rome, Italy, March 1999, 5 years course, full score).
- Cisco **CCIE** #17366 (Routing & Switching), achieved in January 2007 (still active).
- Cisco **CCDP**, **CCNP**, **CCNA** and **CCDA** certifications (ID # CSCO10376114), achieved between years 2000 and 2005. All certifications active.
- Juniper **JNCIA**
- **TOGAF 9** Foundation certified
- Internet Society Nederland (**ISOC.NL**) affiliation since 2006;

References

- *Hans van de Wassenberg*, Manager KPN Architecture and Innovation during the KPN years (2006-2016). Contact can be arranged upon request;
- *Kaushik Khakhar*, Business Development Manager at LogicaCMG at the time we were colleagues (2004-2006). Contact can be arranged upon request;
- *Tilco van Dijk*, Development Manager at Telfort / Tiscali at the time we were colleagues (2006-2010). Contact can be arranged upon request;
- *Sergey Zinovyev*, Manager CNO Network in the period at Liberty Global (2016-2017). Contact can be arranged upon request;

Personal Details

Name	Fabrizio
Last Name	Poce
Date and Place of Birth	25/06/1974, Rome, Italy
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