Will van Gulik

Peering Manager, Network Engineer, System Administrator, DJ, Writer
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Born May, 18th 1977 in Geneva – Unmarried – Driving license - Availability: 20-80 %
Currently based in Yverdon-les-Bains

Professional Experience

2023 -   **Associé, Infrastructure Operation,** Saitis/Nimag Sàrl in Lausanne – AS6893
- While my associates were working on some other project, I followed up with my previous missions, extended the network via the EPFL, helped move the legacy vitrualization infrastructure to an EPYC cluster and started deploying VXLAN devices, aside from Juniper MX240 as backbone routers. Our BGP ring is now fully redundant, validates RPKI, with multiple well connected transits. I was also the first contact for most of our team of 15 employees.

2017 - 2023 **Senior Network Engineer,** Saitis/Nimag Sàrl in Lausanne – AS6893
- I'm updating the standards of the network that is running between more than five PoPs in town, and I'm improving the resiliency of the network to be able to handle customer increase. I designed, planned and managed the migration process needed to move from a multiple single point of failure design to a failover design. I also planned and streamlined the upgrade path for the server infrastructure with my colleagues. As a senior, I was aslo the decision maker for any issues that my occur without the company owners.

2011 - 2017 **Network Engineer, Peering Manager,** IP-Max SA in Geneva – AS25091
- I started in the company when it was still a non-profit organisation. I am part of the upgrade, maintenance and development of the network as the company expanded. As a peering manager, I am in charge of the relationship with other ISPs, on 14 IXPs, reaching over 1600 peers. This ranks AS25091 in the top 10 list of Qrator's peering radar, and top 20 in bgp.he.net world peer list. As such I am responsible for optimizing latency, routing, and financial costs for IP-Max as well as for our customers. I supported ProtonMail in mitigating a large DDoS attack on their infrastructure, and upgraded their network design for improved redundancy and resilience.

2011 - 2022 **Consultant in Network and Systems,** PMI Sarl
2010 - 2011 **Network and system administrator,** EasyGiga in Geneva
- I deployed the monitoring system on the hosting services. I was maintaining and upgrading the customer's infrastructure for 8000-hosted domains.

2007 - 2010 **Network and system administrator,** ISP Solutions in Rolle – AS34136
- I was part of the installation, maintenance and evolution of the network and system infrastructure, hosted primarily in Geneva, Tokyo and Houston.

2006 - 2007 **Network and system administrator,** Mobilet in Lausanne
- I unified, stabilized and documented the network and server resources and setup.

2006   **Network administrator,** Freestudios, Production and media in Geneva
- I was responsible for the maintenance and monitoring of the fiber and copper network.

2003 –2005 **Systems and network administrator,** Orbital & Cie SA**,** Streaming Media in Geneva
- I installed and maintained the network and hosting servers for website, mail and streaming media for the first FTTH project (Voisin-Voisine of SIG) in Geneva.

2000 – 2003 **System administrator,** Deckpoint SA, Internet Service Provider in Geneva
- I started the implementation of a backup system. I managed the first level support team and the apprenticeship training for students and new employees.

1999 – 2000 **IT Technician,** Info-Logo SA à Genève
1994   **Phone clerk,** Info-Logo SA à Genève
1993   **General services employee,** Pétroconsultant à Genève

Education

1995 – 1999 CFC, Apprenticeship in Computing at Cepta and company, in Geneva
 - Info-Logo SA, Darest & Sunset
1993 – 1995 Commercial school of Malagnou, in Geneva

Other Trainings

2016 –　　　　Attending NLNOG Meetings.
2013 –　　　　Attending RIPE Meetings since ripe67.
2003 –　　　　Attending Swinog, Swiss Network Operator Group

Skills

- Network:
  - TCP/IP v4 & v6, Ethernet, Switching, Dot1Q, VTP, STP
  - Routing (BGP, OSPF, MPLS (EoMPLS), VPNv4
  - DFZ best practice, RTBH, Large BGP Communities, BCOP, MANRS
  - Cisco Routers, IOS 7600, 7200, 2900, Catalyst, XR 9001/6, XE 1001, ASA, Juniper MX
  - Optical networks
  - Netflow, pmacct, ELK
- Systems & Software:
  - *nix, (Freebsd, Linux), Windows, OSX
  - Virtualization (KVM, VMware, Proxmox VE)
  - LibreNMS, Nagios, Cacti, Observium, Smokeping, Rancid
  - Bind, Apache, Postfix, Dovecot, Mysql
  - Shell scripting
  - Management
  - Project management, team management (10 people)
  - Server Hardware:
  - HP Proliant DL360, 380, ML370,570, Dell Poweredge
- Languages:
  - French – native
  - English – fluent spoken and written
  - German – basic communication skills

Other Activities

Since 2018　　**Connect working group co-chair, RIPE Community**
- With my co-chairs, I moderate the bi-yearly connect working group session, do the agenda planification aswell as the communication with the community and the newcomers to the RIPE meeting.

Since 2017　　**Network and System Administrator, Board member, RomandIX** – AS41882
- I'm on of the nine founding members of the IXP, based in Lausanne, where I'll also be verifying the accounts. I'm doing most of the technical part, planification and some communication with pottential new peers.

Since 2015　　**Founder of AS2613.net**
- I requested an ASN and network resources from RIPE, in order to do my networking experiments live in the Default Free Zone without affecting my employer's network.

2010 - 2013　　**Founder and president of the Geneva, Swiss Pirate Party**
- I was one of the founders of Pirate Party in Geneva and participated in the campaign and ran for election during that period.

2008 - 2014　　**IT and telecommunication manager, Festival Electron (HeadFun)**
- I was in charge of managing a team of 10 people. The team provided the radio communication on site as well as the network design and implementation used for the operation, streaming and ticketing system for a 4-day event with 20k attendees.

2006 - 2014　　**System administrator, l'Usine**
- I was part of the network and server management for this cultural non-profit organisation.

Since 2003　　**System Administrator, President,** www.Darksite.ch
- I'm maintaining webservers hosting about 100 websites, and migrated the platform from Windows to Linux. I organised several events such as concerts and promotion booth.

2004　　**IRCOP, IRC Undernet**
- I was part of the operator team of carouge.ch and geneva.ch IRC server. Additionally I was

part of the abuse team handling mostly to botnet related requests.

Since 1997   **DJ, Producer – Dj PorCus**
- I did several remixes for artists such as Ludan Dross, Greta Gratos, and I'm playing regularly in the French speaking part of Switzerland.

References	EasyGiga - M. Roman Bourquin, +41 22 575 48 77 PMI Sarl - M. Athol Harrison, +41 79 436 79 29