

**NAME**

Jan Betik - a computer nerd

**SYNOPSIS**

jbetik [--admin networks|systems] [--projects] [--developer]

**SUMMARY**

I'm a network engineer with 4 years skills in firewall administration and maintenance, AAA administration and network infrastructure design. I enjoy connecting people with technology solutions that are easy to use, affordable, and sustainable over time. I'm familiar with, and a huge supporter of, the Unix/Linux culture and how to make it cooperate with commercial products.

I'm interested in automation, and I'm able to write scripts in several scripting languages like Bash, Perl or Tcl to simplify and/or automate the routine tasks. I master the tools for text processing, like are sed and awk, and parsing text with regular expressions.

Information security has also been an interest of mine. As a network technician, I participated on penetration tests of network infrastructure. We provided security advisement to the business as a whole and also to the customers.

As a high school student, I participated in the czfree.net association. I took part in the design of computer networks based on Wi-Fi technologies. The association also provided the Internet connectivity for the other participants. In the meantime, as an administrator of a few POPs, I learnt the principles of IP based networks, like subnetting and supernetting, routing protocols OSPF and BGP, firewalls, VPN and other.

**OPTIONS****--admin networks**

Experience with the administration and management of datacenter network based on various technologies, including:

- \* Cisco IOS devices (routers, Catalyst switches, ASR)
- \* Cisco NX-OS devices (Nexus switches)
- \* JunOS devices (firewall appliances, switches, routers)
- \* CheckPoint firewalls

Able to design computer networks with the Cisco PPDI00 methodology. Skills with IPSec based VPN networks in mesh and hub-spoke configuration. Implementation and maintenance of CheckPoint firewalls in standalone or HA setup.

**--admin systems**

Experience with the configuration, hardening, and maintenance of various Linux/Unix distributions, including:

- \* Red Hat Enterprise Linux, Fedora, CentOS
- \* Debian, Ubuntu
- \* FreeBSD, NetBSD, OpenBSD
- \* Solaris, Irix

Able to set up vital Linux infrastructure components including load balancers, DNS servers, web/application servers, and mail servers. Familiar with network-level security policies as well as server-level security layers like SELinux.

**--projects**

Central AAA service for network environment

Design, PoC and implementation of authentication and authorization service in a customer environment, with ~150 Cisco

devices. Based on open source software and simple administrator interface written in CGI/Perl.

Environment for transfer and storage of logging information

Design and implementation of separate computer network used for transfer of mass data like firewall and device logs, access logs etc.

--developer

Sitting plan

Project written in the Perl language, consisting of two parts:

\* Network scrapper

scrapping switches and routers for information about IP addresses, MAC addresses and used switch ports.

\* LDAP connector

identifies connected computers in the Microsoft AD and creates a report

## HISTORY

\* Morpho Cards Czech

- Chief Information Officer
- Auditor
- Security Systems Designer

\* Tieto Czech

- Network Administrator
- Network Engineer
- Firewall Systems Administrator
- Linux Systems Administrator
- z/OS System Programmer

\* Webhosting BANAN.CZ

- Customer Support
- Linux Systems Administrator

## AUTHOR

\* Education

2007–2011

University of Ostrava, Faculty of Education,  
field of study Information Technology in Education

2003–2007

Secondary Vocational School Podyjí,  
field of study Information Systems Manager

\* Hobbies

- Traveling
- Books
- Paragliding

## SEE ALSO

\* E-mail: jan dot betik at svine dot us

Jan Betik

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JBETIK

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