

## Personal Data

Name	Radek	Marital Status	Single
Surname	Krejčí	Date of Birth	7. 11. 1983
Degree	Mgr.	Phone	+420 732 212 714
Address	Rataje 1462 Hlinsko, 539 01 Czech Republic	Email	radek@radekkrejci.net

## Education

- 2009 – ongoing **Doctoral degree programme Informatics, study field Computer Systems and Technologies,**  
*Faculty of Informatics, Masaryk University, Brno.*  
(currently enrolled and supposed to complete studies in June 2013)
- 2007 – 2009 **Master's degree programme Applied Informatics specializing in Computer Systems,**  
*Faculty of Informatics, Masaryk University, Brno.*  
(final state examination passed and studies completed)
- 2004 – 2007 **Bachelor's degree programme of Applied Informatics,**  
*Faculty of Informatics, Masaryk University, Brno.*  
(state examination passed and studies completed)
- 2003 – 2004 **Bachelor's degree programme of Informatics,**  
*Faculty of Mathematics and Physics, Charles University in Prague.*  
(studies quit at own request)
- 1999 – 2003 **Technical lyceum, Secondary School of Engineering, Chrudim.**  
(successfully completed by secondary-school leaving examination with first-class honours)

## Experiences

- 2005 – ongoing **Researcher of the Programmable HW activity, CESNET, z.s.p.o..**  
I'm member of the SW group with focus on bringing individual software parts together and preparing software packages for testers/users. I prepare UNIX (install, starting, etc.) shell scripts as a basic user interface for developed software.  
I have also implemented network configuration protocol (NETCONF) in C language for GNU/Linux platform. The core of this system was lately released as *Netopeer configuration system* at Google Code.  
*for more info about research project see [www.liberouter.org](http://www.liberouter.org)*  
*for more info about configuration system see [netopeer.googlecode.com](http://netopeer.googlecode.com)*
- 2010 **External consultant,**  
*Network Security Department at Institute of Computer Science, Masaryk University.*  
Consultations in the field of network application security and penetration testing. I also cooperated on the analyses of the Chuck Norris botnet.  
*Oddělení bezpečnosti datové sítě ÚVT MU – [www.muni.cz/ics/927000?lang=en](http://www.muni.cz/ics/927000?lang=en)*
- 2007 **Development of the FlowMon Configuration Center, INVEA-TECH, a.s..**  
I have developed web-based configuration interface to control FlowMon probe including part for configuration of the host system.  
*[www.invea-tech.com](http://www.invea-tech.com)*

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## Teaching

2010 **Domain specific development in C/C++ – System programming for Linux**,  
*Faculty of Informatics, Masaryk University.*

*is.muni.cz/predmet/fi/podzim2010/PB173?lang=en*

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## Computer Skills

OS Windows, Linux, UNIX  
programming C/C++, JAVA, Shell, Delphi, L<sup>A</sup>T<sub>E</sub>X  
administration Linux, Apache  
web design PHP, XHTML, CSS, JavaScript  
graphic tools Inkscape, Gimp, XFig, ...  
other MS Office, OpenOffice, ...

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## Languages

Czech **Native**  
English **Advanced**

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## Other Skills

- Driving license (class B)

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## Hobbies

- Squash, bicycle
- Paper modeling

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## Publications

2010 *Pavel Čeleda, Radek Krejčí, Jan Barienčík, Martin Elich, Vojtěch Krmíček*, HAMOC  
– Hardware-Accelerated Monitoring Center, CESNET, z.s.p.o.. Technical report.

*URL: <http://www.cesnet.cz/doc/techzpravy/2010/hamoc/>*

*Jiří Novotný, Pavel Čeleda, Radek Krejčí*, Hardware Acceleration: An Essential Part  
of Cyber Security in High-Speed Networks, Conference presentation. DeepSec - In  
Depth Security Conference 2010.

*Radek Krejčí, Pavel Čeleda*, (Ne)bezpečné HTTPS – část II, Reviewed article in  
journal. DSM – Data security management, Praha : TATE International, s.r.o., 14,  
4, pages 22-27, 5 p. ISSN 1211-8737.

*Radek Krejčí, Pavel Čeleda*, (Ne)bezpečné HTTPS – část I, Reviewed article in  
journal. DSM – Data security management, Praha : TATE International, s.r.o., 14,  
3, pages 38-41, 4 p. ISSN 1211-8737.

*Jiří Novotný, Pavel Čeleda, Tomáš Dedek, Radek Krejčí*, Embedded Malware – An Analysis of the Chuck Norris Botnet, In proceedings. European Conference on Computer Network Defense. 1. ed. Los Alamitos, CA : IEEE Computer Society, 2010. pages 3-10, 8 p. ISBN 978-1-4244-9377-7.

URL: [http://www.muni.cz/ics/research/cyber/files/chuck\\_norris.pdf](http://www.muni.cz/ics/research/cyber/files/chuck_norris.pdf)

*Martin Drašar, Jan Vykopal, Radek Krejčí, Pavel Čeleda*, Aspect-based Attack Detection in Large-scale Networks, In proceedings. Recent Advances in Intrusion Detection. Berlin : Springer, 2010. pages 488-489, 2 p. ISBN 978-3-642-15511-6.

URL: <http://www.springerlink.com/content/d11326482k386j5r/>

*Pavel Čeleda, Radek Krejčí, Josef Kaderka*, Na stopě Chucka Norrise, Reviewed article in journal. DSM – Data security management, Praha : TATE International, s.r.o., 14, 2, pages 30-33, 4 p. ISSN 1211-8737.

- 2009 *Jiří Novotný, Pavel Čeleda, Tomáš Dedek, Radek Krejčí*, Hardware Acceleration for Cyber Security, In proceedings. IST-091 – Information Assurance and Cyber Defence Antalya (TUR) : NATO Research and Technology Organization, 2010. 15 p. ISBN 978-92-835-0115-2.

URL: <ftp.rta.nato.int/public/PubFullText/RTO/MP/RTO-MP-IST-091/MP-IST-091-07.pdf>

*Vojtěch Krmíček, Jan Vykopal, Radek Krejčí*, Netflow Based System for NAT Detection, In proceedings. Co-Next Student Workshop '09: Proceedings of the 5th international student workshop on Emerging networking experiments and technologies. New York, NY, USA : ACM, 2009. pages 23-24, 2 p. ISBN 978-1-60558-751-6.

URL: [conferences.sigcomm.org/co-next/2009/workshops/student/papers/Krmicek.pdf](http://conferences.sigcomm.org/co-next/2009/workshops/student/papers/Krmicek.pdf)

*Radek Krejčí*, Network Traffic Collection with IPFIX Protocol, MU Brno, Faculty of informatics. Master's thesis.

URL: [is.muni.cz/th/98863/fi\\_m/xkrejc14\\_dp.pdf](http://is.muni.cz/th/98863/fi_m/xkrejc14_dp.pdf)

*Radek Krejčí, Pavel Čeleda, Vojtěch Krmíček, Jiří Novotný*, IPFIX Based Virtual Network Monitoring, CESNET, z.s.p.o. Poster (TERENA Networking Conference 2009).

URL: [tnc2009.terena.org/schedule/posters/index.php?poster\\_id=12](http://tnc2009.terena.org/schedule/posters/index.php?poster_id=12)

- 2008 *Radek Krejčí, Ladislav Lhotka, Pavel Čeleda, Petr Špringl*, Secure Remote Configuration of Network Devices - a Case Study, CESNET, z.s.p.o. CESNET Conference 2008 Proceedings, pages 77-84, 8 p. ISBN 978-80-904173-0-4.

URL: [www.ces.net/events/2008/conference/prog/paper/10.pdf](http://www.ces.net/events/2008/conference/prog/paper/10.pdf)

*Radek Krejčí, Pavel Čeleda*, NETCONF - Secure FlowMon Probe Remote Configuration, CESNET, z.s.p.o. Presentation (TERENA Networking Conference 2008).

URL: [tnc2008.terena.org/schedule/presentations/show.php?pres\\_id=73](http://tnc2008.terena.org/schedule/presentations/show.php?pres_id=73)

*Vojtěch Krmíček, Pavel Čeleda, Radek Krejčí*, Hardware-Accelerated Framework for Flow Monitoring of 10Gbit Networks, CESNET, z.s.p.o. Poster (TERENA Networking Conference 2008).

URL: [tnc2008.terena.org/posters/details.php?id=14](http://tnc2008.terena.org/posters/details.php?id=14)

2007 *Radek Krejčí, Pavel Čeleda, Petr Špringl, Marek Žižlavský*, FlowMon Probe Network Configuration, CESNET, z.s.p.o. Technical report.

URL: [www.cesnet.cz/doc/techzpravy/2007/flowmon-netconf-remote-configuration](http://www.cesnet.cz/doc/techzpravy/2007/flowmon-netconf-remote-configuration)

*Radek Krejčí*, Konfigurace síťových zařízení protokolem NETCONF, MU Brno, Faculty of informatics. Bachelor thesis.

URL: [is.muni.cz/th/98863/fi\\_b/xkrejc14\\_bc.pdf](http://is.muni.cz/th/98863/fi_b/xkrejc14_bc.pdf)

2005 *Pavel Čeleda, Milan Kováčik, Radek Krejčí, Jaroslav Kysela, Petr Špringl*, Software for NetFlow Monitoring Adapter, CESNET, z.s.p.o. Technical report.

URL: [www.cesnet.cz/doc/techzpravy/2005/netflow](http://www.cesnet.cz/doc/techzpravy/2005/netflow)