

# CZ.NIC & CZNIC-CSIRT – short introduction

CZ.NIC z.s.p.o. / <http://www.nic.cz>

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# About CZ.NIC

- Special interest association of legal entities
- Founded in 1998 by leading ISPs
- Three chambers
- Currently 65 members – growing (open membership)
- 40 employees
- MoU with Czech government
- Part of State's critical infrastructure
- Non profit
- Neutrality

# Membership in association

- Chamber of Registrars
  - 14 members, 85% of domains
- ISP Chamber
  - 18 members
  - usually big ISP's
- Chamber of Domain Name Holders
  - 33 members
  - IT companies, e-shops, SW houses, publishing, ... (IBM, Internet Mall, Mafra, ...)

# Main activities

- **.CZ domain registry** – liberal registry model
- **ENUM registry** – DNS system supporting convergence of classical and Internet telephony
- **FRED** – Free registry software (TLDs and ENUM)
- **Edification** – books, articles, training, new technologies, programming competition
- **CERT team**

# .CZ domain registry

- Registry->Registrar->Registrant (29+12 registrars)
- 2<sup>nd</sup> level domains registration – no subdomains
- Liberal model – no restrictions in number nor presence
- ADR procedure – Czech Arbitration Court – the same as for .EU
- Shared with ENUM registry
- Number of .CZ domains – 636 000

# Partners and co-operation in CZ

- Ministry of Industry and Trade
- Czech Telecommunication Office
- Czech Chamber of Commerce
- Office for Personal Data Protection
- NIX.CZ
- Association of Public Telecommunications Network Operators
- Police CR
- CSIRT.CZ



# Partners and co-operation abroad

- ICANN – ccNSO
- CENTR
- EURid - .EU registry
- Internet Governance Forum – MAG
- RIPE NCC
- ISC
- Terena – TF-CSIRT
  - status “listed” since 2008



# CZ.NIC-CSIRT

- **Contact information:**
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# CZ.NIC-CSIRT

- **Responsibility till the end of 2009 :**
- incident handling within AS25192 and incident relating to nameservers for .cz and 0.2.4.e164.arpa
  - no incidents
  - just our own network
- complaints of phishing, malware etc. in .cz domain names
  - cooperation with CSIRT.CZ
  - non-official contacts to providers, registrars, domain holders, ...

# Incidents in 2009 – phishing websites

- lanners.cz, immikiut1.cz
  - a couple of phishing sites
  - malware
  - fast-flux
- no legal way to help from CZ.NIC
  - we didn't have the possibility to cancel or deactivate domain
- no help from providers, registrars, non-existing owner
- cancelation because of non existing owner
- test of CZ.NIC's fighting power?

# Change of responsibilities

- **In effect as of 1<sup>st</sup> January 2010**
- The CZ.NIC association is entitled to deactivate a domain if said domain is used in a fashion that endangers the national or international computer security
  - harmful content (especially viruses, malware) are distributed
  - the content of a different service is masqueraded (eg phishing),
  - domain becomes a control centre of interlinked hardware network distributing the harmful content (especially botnet)
- Deactivation for 1 month, even repeatedly
- Based on decision of CZ.NIC-CSIRT

# Next plans

- Solving incidents within .cz domains
- Close cooperation with all partners, especially with CSIRT.CZ
- TF-CSIRT - apply for status “accredited”



**Questions ?**

**Thank you!**

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