Czech gov services on IPv6

RIPE 88, Krakow

Ondřej Filip • 21 May 2024

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Some attempts in the past

- Resolution of the government of the Czech Republic #727 – 8 Jun 2009

    - Ensure IPv6 compatibility of the equipment purchased during network infrastructure renewals

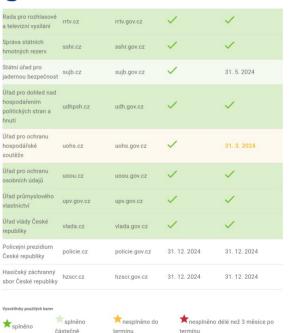   - From 1 Jan 2011 start to offer all governmental websites and services on IPv6

Some attempts in the past

- Resolution of the government of the Czech Republic #982 – 18 Dec 2013

  - Require support of DNSSEC in all purchases of services from 1 Jan 2014

  - IPv6 support for all electronic filing systems

  - DNSSEC - sign all governmental Internet domains by 30 Jun 2015

  - Add IPv6 support requirement to all relevant tenders both for the supply of services and goods (hardware), and as an integral part of the requirements for all newly supported projects and their components financed from structural funds

- Not monitored, not enforced, IPv6 part often ignored

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Gov.cz project

- Resolution of the government of the Czech Republic #578 - 16 Aug 2023
    - A project to unify all governmental services under gov.cz domain
    - Significant improvements of DNS infrastructure
    - Includes also an unified design of web pages etc.
    - Mitigation of some phishing threads
    - IPv6 and DNSSEC

Rada pro rozhlasové a televizní vysílání	rrtv.cz	rrtv.gov.cz	✓	✓
Správa státních hmotných rezerv	sshr.cz	sshr.gov.cz	✓	✓
Státní úřad pro jadernou bezpečnost	sujb.cz	sujb.gov.cz	✓	31. 5. 2024
Úřad pro dohled nad hospodařením politických stran a hnutí	udhpsh.cz	udh.gov.cz	✓	✓
Úřad pro ochranu hospodářské soutěže	uohs.cz	uohs.gov.cz	✓	31. 3. 2024
Úřad pro ochranu osobních údajů	uoou.cz	uoou.gov.cz	✓	✓
Úřad průmyslového vlastnictví	upv.gov.cz	upv.gov.cz	✓	✓
Úřad vlády České republiky	vlada.cz	vlada.gov.cz	✓	✓
Policejní prezidium České republiky	policie.cz	policie.gov.cz	31. 12. 2024	31. 12. 2024
Hasičský záchranný sbor České republiky	hzscr.cz	hzscr.gov.cz	31. 12. 2024	31. 12. 2024

Vysvětlivky použitých barev

★ splněno ★ splněno částečně ★ nesplněno do termínu ★ nesplněno déle než 3 měsíce po termínu

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Last resolution

- Resolution of the government of the Czech Republic #49 - 17 Jan 2024 - „to restart the implementation of DNSSEC and IPv6 in public administration"
  - RIPE NCC Internet Country Report for Central Europe IPv6 was an important input
  - reminds the previous mentioned resolutions
  - monitoring report on the deployment of DNSSEC and IPv6 by 30 June 2025
  - evaluate the status of compliance with the conditions for the full transition to IPv6 annually by 30 June
  - report on the status of preparations for the full transition to IPv6 by 31 May 2027

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Last resolution

- Resolution of the government of the Czech Republic #49 - Jan 17 2024 - „to restart the implementation of DNSSEC and IPv6 in public administration"

    – members of government and heads of other central government bodies to **cease providing government services on IPv4** from

June 6 2032

https://endofipv4.cz/en/

Saying goodbye to IPv4 will be done

2937	**14**	**47**	**2**
DAYS	HOURS	MINUTES	SECONDS

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Thank you!

Ondřej Filip • 21 May 2024