

CESNET @ 6NET

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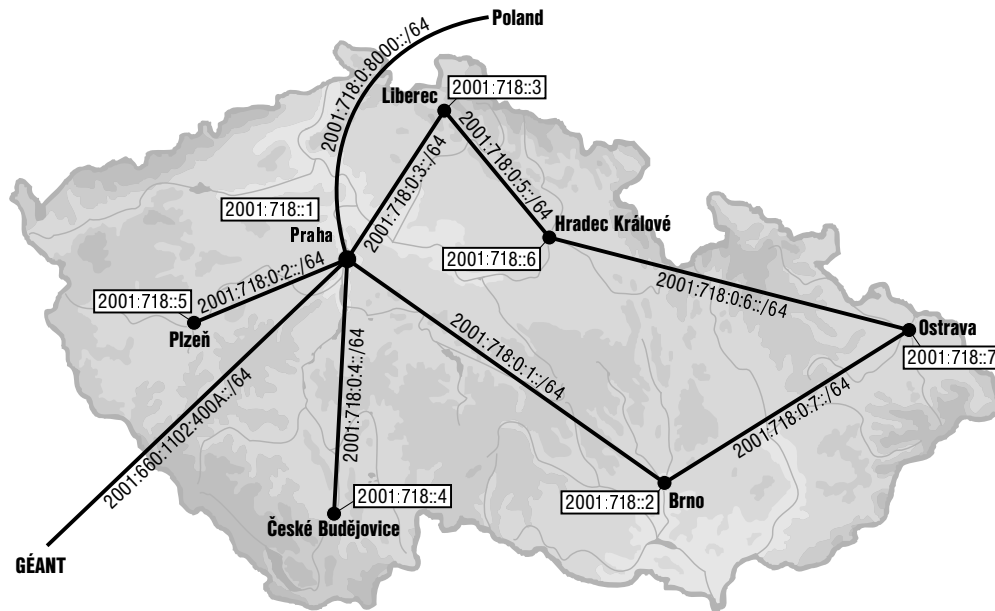


CESNET IPv6 network

CESNET IPv6 ...

Participation ...

PC-based routers



- SubTLA from RIPE, prefix 2001:718::/35
- all links are configured tunnels
- Routers: Cisco 3640 (2), Linux/Zebra (4), NetBSD/Zebra (1).
- <http://www.cesnet.cz/english/project/ipv6/>



Participation in 6NET activities

CESNET IPv6 ...

Participation ...

PC-based routers

Activity	P-M	Description
1.1	1	6NET network extension \Rightarrow CZ
1.5	1	interoperability (PC/Zebra routers)
2.1	2	6PE edge LSR
2.2	1	transition of campus networks
3.1	26.2	PC-based IPv6 routers
3.4	1	Multicast tests
4.1	2	Mobility tests
5.1	1	Videoconferencing applications
7.1	4	File repository, CVS



PC-based routers

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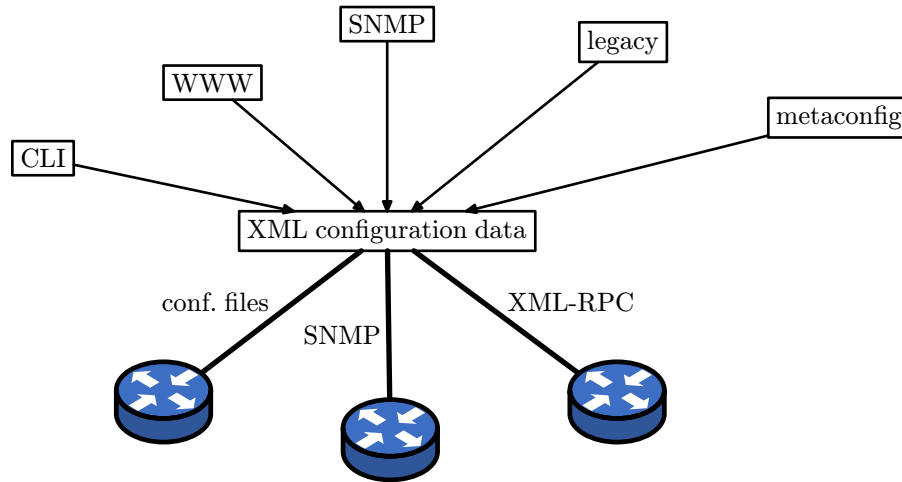
Configuration
Hardware accelerator

- Team of 24 people (incl. students)
- Based on long-term experience



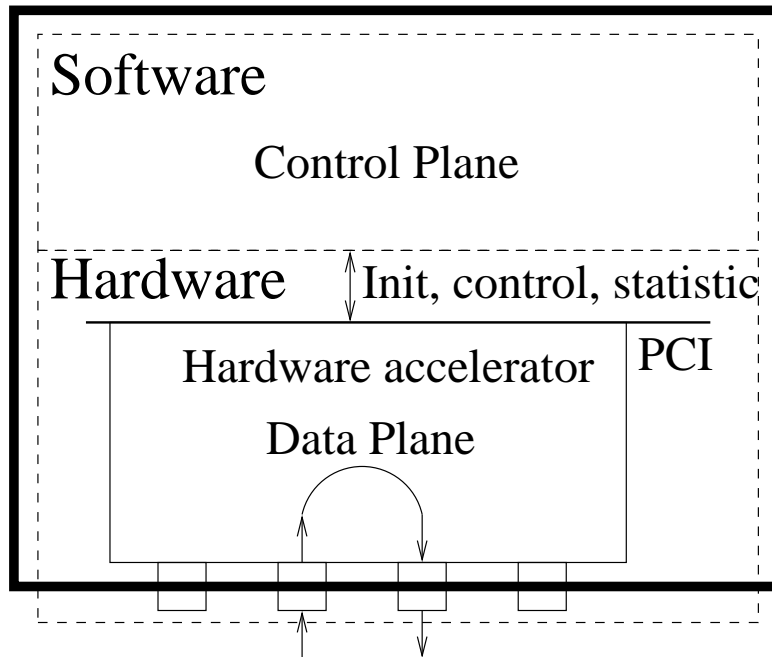
Configuration

CESNET IPv6 ...
Participation ...
PC-based routers



- Front ends: create/modify configuration
- XML repository with version control
- Back ends: presentation for supported platforms (Unix scripts, ...), initially off-line

Hardware accelerator



- Programmable hardware: FPGA by Xilinx (Virtex II, Virtex II Pro)
- Fast forwarding; packet filter, encryption, label imposition, ...
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