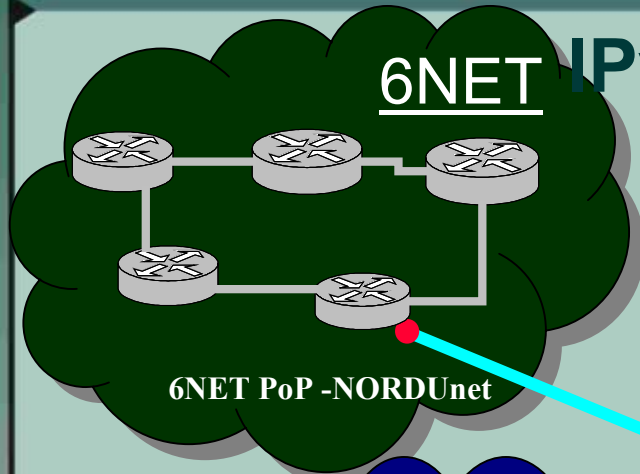


IPv6 Network in Poland

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6NET IPv6 Network in Poland



- sTLA, pTLA sites
- PSNC connections
- other Polish 6bone connections

www.ipv6.man.poznan.pl

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IPv6 Network in Poland

- subTLA sites :
 - **PSNC** –requesting for subTLA in RIPE
 - **2001:06D8::/35** PL-CYFRONET-20010221
 - native IPv6 connection to PSNC (ATM PVC)
 - **2001:06A0::/35** PL-ICM-20000905

(all connected to POL-34 network)
- pTLA sites
 - 3FFE:8010::/28 ICM-PL [24May99]
 - 3FFE:8210::/28 ATMAN6/PL [30May01]
 - **3FFE:8320::/28 PSNC - POZMAN/PL [17Jan02]**
 - 3FFE:400C::/32 ICPNET-PL/PL [27Jun02]

(all connected to POL-34 network)

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IPv6 Network

building IPv6 network

- deployment of production quality network based on CISCO routers
 - connection to 6NET network (NORDUnet)
 - native IPv6 connection to Gliwice, Poland (POL-34)
 - native connection to Krakow (sTLA), Poland (POL-34)
 - PSNC offers IPv6 connections and addresses to customers
- near future: PIONIER Polish Optical Internet— separate lambda for IPv6 traffic

building IPv6 network (2)

- PSNC offers IPv6 services:
 - Connections (tunneled, native)
 - assignment addresses to customers
 - revDNS delegation
- cooperation with local tv cable provider
 - (subTLA holder) 3FFE:400C::/32 ICPNET-PL/PL
 - hundreds of users

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IPv6 Network

IPv6 services

- tested services:
 - www server: apache, thttp
 - DNS server bind9
 - listens IPv6 query for IPv6 and IPv4 connections
- running IPv6 services
 - www – based on apache 2.0.16 beta
(stable http IPv6 compatible server)
 - DNS server – bind 8
 - IPv6 records entered on our main DNS server
 - Solaris 7 SUN Enterprise 3500

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IPv6 Network

IPv6 network monitoring tools

- implemented and running network tools:
 - MRTG monitoring
 - ping, traceroute for IPv4 and IPv6
 - looking glass: BGP4+
 - ASPath

<http://www.ipv6.man.poznan.pl>