

PCH Services at TREX

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A Short History of PCH

Started in 1993-1994 to build IXPs in the United States Built five IXPs on the west coast 1994-1995 Started assisting with IXP construction internationally in 1995 Expanded to providing TLD nameservice in 1997 Started deploying root nameservice in 2000 Began providing services over IPv6 in 2001 Started Internet infrastructure security work in 2002 Became fully IPv4/IPv6 dual-stack in 2009 Started providing FIPS 140-2 L4 DNSSEC signing in 2011



What We Do Now

IXP support

Helped establish or support more nearly half of the world's 350 IXPs, with training, equipment, configuration, governance, operational support services.

DNS support

Anycast hosting more than a third of the world's TLDs, as well as several root servers, and holding and applying the DNSSEC keys for 43 zones.

Security coordination

Operator and secretariat for INOC-DBA, NSPsec participant, coordination point for a lot of opsec communication between operators and government.

Policy and regulatory

Educational workshops, training on Internet governance, and coordination for regulators, law enforcement, and ministers of comms, economy, military.

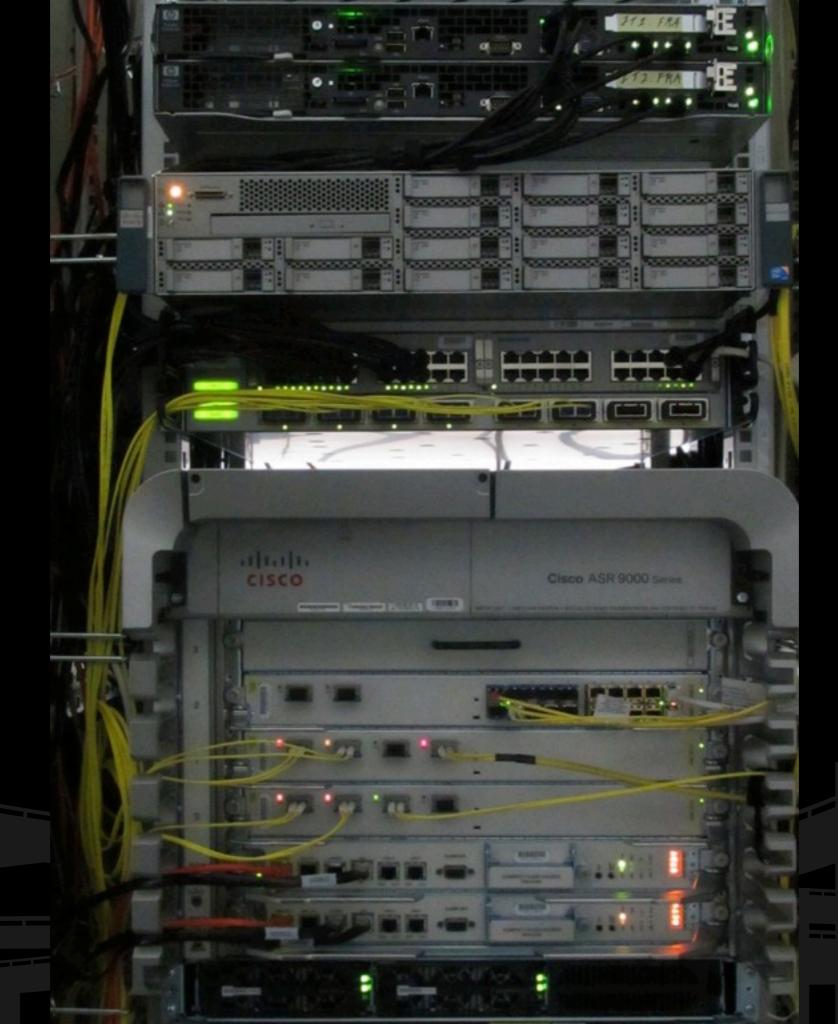


Where We're Going

Upgrading from 7301 / 2811 routers to ASR 9000 / 900 More dedicated diagnostic hardware: netflow / pcap Additional DNSSEC sites in San Jose and Montevideo Rolling out INOC-DBA crypto and auth features Publishing more open-source tools and libraries Staffed offices in Europe, North America, South America, Asia, the Caribbean, and the Pacific









Please Peer With Us!

AS 42 - production traffic AS 3856 - research traffic

Other locations listed in https://pch.net/peering

Nearby: Tallinn, Stockholm, Warsaw, Berlin, Prague, Frankfurt, Vienna, Munich, Amsterdam...

85 locations - 2,558 peer ASes - 18,115 sessions.



Also, We're Hiring

PCH has open positions for programmers:

Java / PHP / SQL SIP / SRTP / ZRTP / Jabber / PGP BGP routing analysis DNS statistics analysis Operational security analysis Statistical / economic / policy analysis



Thanks, and Questions?

https://pch.net

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