



LACNIC services over IPv6

Frederico A C Neves

<fneves@lacnic.net>

FLIP-6, Montevideo, 30 Mar 2004





LACNIC services over IPv6

- **Network**
- **Applications**
- **Next steps**





LACNIC services over IPv6

Network

- **Tunnel to ISC (USA/California)**
 - **Stable working for some months**
 - Only feasible option as today there is no native v6 transit option in the region or at least the first provider in the USA.
- **BGP announces through the tunnel (AS22548 2001:12ff::/32)**
- **Internally native v6**





LACNIC services over IPv6

Applications

- **All public services at LACNIC.NET**
LACNIC.NET IN AAAA 2001:12ff:0:2::15
 - HTTP (Apache 2)
 - SMTP (Postfix 2)
 - FTP (Std. BSD ftpd)
 - WHOIS
 - Dual-stack server using wildcard v6 socket (in6addr_any) - treating v4 as mapped
 - port straight forward (took a couple of hours)





LACNIC services over IPv6

Next Steps

- **Native v6 traffic exchange (at SP IX)**
- **DNS publication services on v6 transport**
- **DNS check for v6 delegated servers**





LACNIC services over IPv6

Questions

