Who am I?

- Gavin Tweedie
- Technical Manager
- Over 3 years running WAIX.
- Avid supporter of all forms of peering.
- Sole employee of WAIA.

What is WAIX?

- WAIX is a service of the Western Australian Internet Association.

- Provides a neutral location for IP interconnection in Western Australia.

- WAIX commenced operations in 1997.

- WAIX is a MultiLateral Peering Point, with peers required to peer with the IX route reflector.

Who's peering?

- A total of 52 peers currently. Major peers include:
  - Comindico, Primus, Connect.com, AsiaNetcom, iiNet, Westnet, The WA Government, all WA Universities and RequestDSL
  - TPGi and Internode expected online soon.

The Statistics

- Now averaging 200Mbps over 24hrs.
  - Up from 85Mbps in June 2003.
- Daily Peak around 240Mbps.
  - Up from 150Mbps in June 2003.
- Usenet feeds of around 14Mbps to peers.
- Large increase of data driven by new peers and DSL offerings by ISPs which include "free WAIX".

The Statistics

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

The Gear

- Cisco Systems are a major supporter of WAIX
  - Cisco 2600 as a central route reflector.
  - Cisco 3750 switches form the core of the IX fabric, Cisco 2924s are still in use in some locations.
  - A Cisco 7200 is on its way for provision of IPv6 peering, both native and via tunnels, and as a backup route reflector for the existing 2600.

Other Exchange Services

- Both Usenet feeder and reader access.
- IP Transit (non-peering) service.
- NTP server.
- AS112 server.
- Hosting of WA server for Oz.Org Australian based IRC network.

What's it Cost?

- We're cheap! As the exchange is run on a not-for-profit basis we are able to keep our fees very low - around 80% cheaper than most other exchanges in Australia.
  - A 10/100Mbps port is AU$150/month
  - A 10/100/1000Mbps port is AU$250/month

IPv6

- Currently accepting native and 6in4 tunnelled IPv6 peering on a very underpowered router. Considered experimental and only given a soft-launch with peers.

- A new router is on its way which will form part of the official launch of WAIX as the first IX in Australia to support IPv6 peering.

- Currently trying to source some native v6 transit for the exchange.

INOC-DBA

- Inter NOC - Dial by ASN (INOC-DBA) by Packet Clearing House.
  - WAIA purchased a Cisco 7905G IP phone for each and every peer of WAIX to help further promote this very useful project and VoIP itself in Asia-Pacific.
  - Positive feedback from peers, many asking how they can get more phones.

Links and Questions?

- **WAIX**: www.waia.asn.au/waix

- AS112 Project: www.as112.net
- Cisco: www.cisco.com
- Packet Clearing House: www.pch.net
- Oz.Org: www.oz.org