

The Hub Project

Internet Exchange(s)

1. Peering
2. The Hub Story
3. Details
4. Get Involved
5. Q&A



> by Joe
> GeekDinner 11/2008

What is Peering?

- Exchange traffic.. for free
- Optimal routing of traffic
- BGP route distribution and AS Numbers
- 90% Politics
- Keep local content local, faster, cheaper, more efficient
- Remove single points of failure

The Hub Story

- 2002: working for IOL, they had content.
- Costs to move a MB 10meters == 10,000meters? wft?
- UUNet single vendor Data Centre
- IOZ discussion
- 2008: Fri 21 November, New ECNS providers, Big Bang
- Best way to motivate (some) people: **tell them they can't do it!**

Today we have..

- 1st Location: Great Westerford, Cape Town
- Constitution, WAPA endorsement (from official NGO)
- Initial members
- Switch, X350 24port, GigE : Extreme Networks
- 196.223.8.0/23 IP space : AfriNIC
- Hosting : Frogfoot, Teraco.. distributed
- Web server, mailing list, wiki etc. : Frogfoot
- Route server, looking glass, snmp/sflow stats : Simeon
- IP transit for public services IP range : Frogfoot, others?

A Picture



Members

Now:

Frogfoot

UCT

Amobia

Web Africa

UniNet

eNetworks

Wishlist:

Hetzner

Trusc

RSASWeb

Vox

Neotel

IOI... and more.

Other Peering Points

- JINX (ISPA)
- old-CINX, new-CINX (ISPA)
- GINX

Ideas . .

- Run like an open source project.. The GeekDinners
- Open, democratized, decentralized
- Anarchy == order without leaders
- Pragmatic, simple, tangible, pics, community involvement
- Costs based, Fees: ~R400/member/month
- Promote open peering policies
- Vendor neutral location, remove conflicts of interest

Get Involved..

- Peer
- Word of mouth
- Lobby your provider to join
- Geeky stuff, stats, graphs, code
- Admin: switches, servers, wiki's etc.
- Learn

Questions?

www.hub.org.za

www.swimgEEK.com

www.localloop.co.za