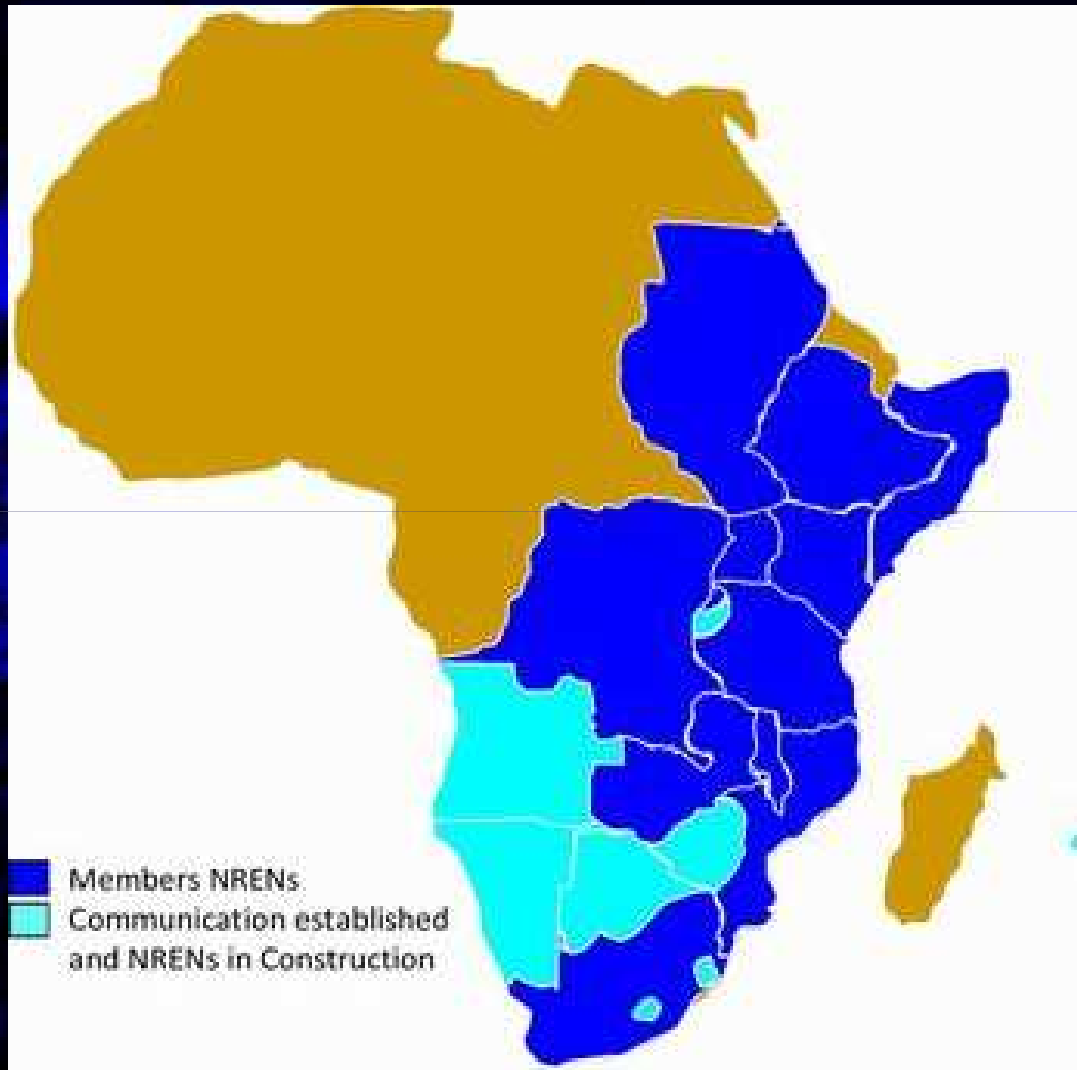# What is UbuntuNet?

UbuntuNet Alliance for Research and Education Networking

To establish a Regional REN for Eastern and Southern Africa

- Non-profit association

- Head office in Lilongwe, Malawi

- Incorporated in 2006 in the Netherlands

- Now also incorporating in Malawi

UbuntuNet Alliance

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UbuntuNet Members

Eb@le, DRC
EthERNet, Ethiopia
KENET, Kenya
MAREN, Malawi
MoRENet, Mozambique
RwEdNet, Rwanda
SomaliREN, Somalia
SUIN, Sudan
TENET, South Africa
TERNET, Tanzania
RENU, Uganda
ZAMREN, Zambia

Members NRENs
Communication established
and NRENs in Construction

**UbuntuNet
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WACREN and UbuntuNet

East is East and West is West and never the twain shall meet?
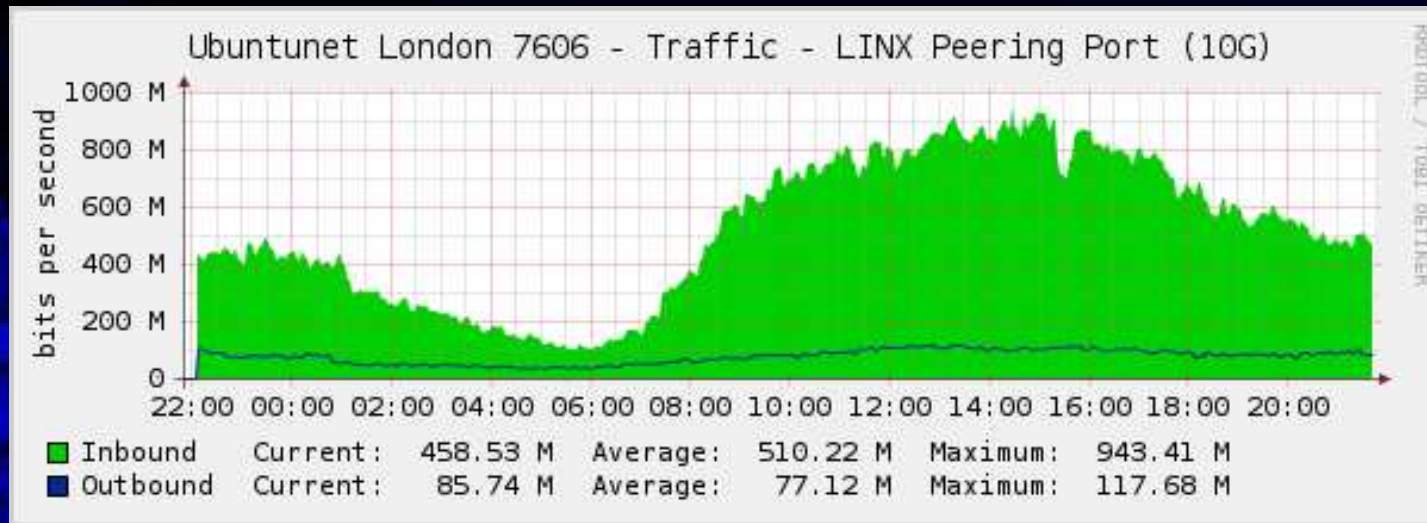
Well …. Maybe, they can meet in Africa!

- In due course, UbuntuNet and WACREN will:
  - Sign an interconnection agreement
  - Provide each other with
    - Transit to and from African networks
    - Fail-over protection for international circuits
  - Sustain a mutually supportive, businesslike relationship

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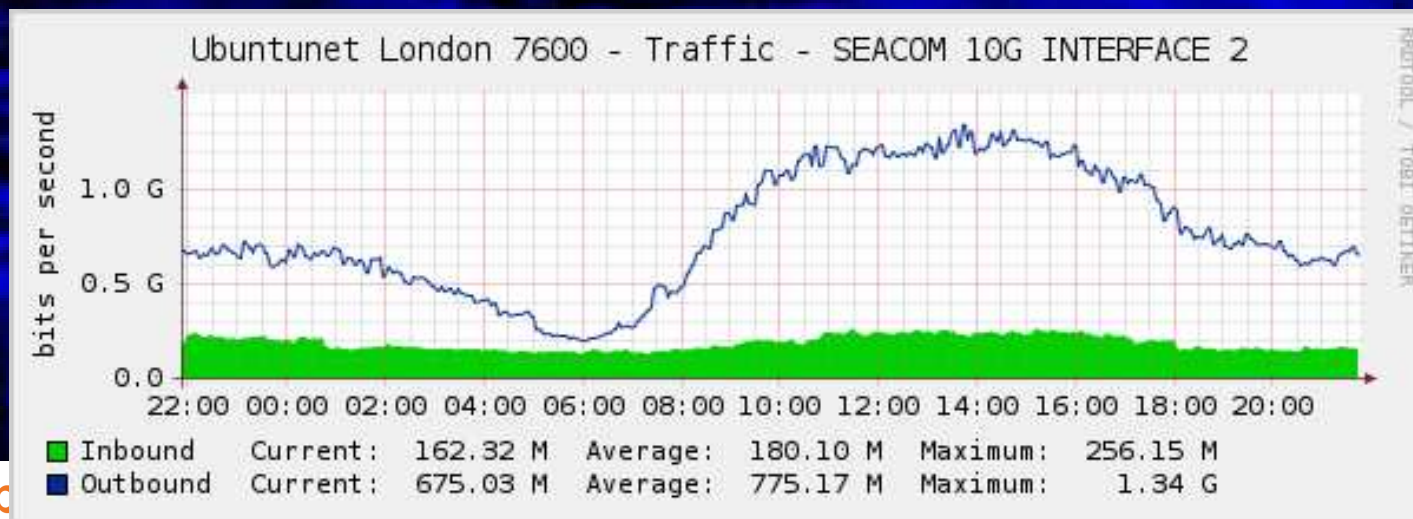
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UbuntuNet's London PoP

- Located in Telecity, London
  - since March 2008

- Donations:
  - 7600 router from CISCO
  - Colo and Géant interconnect from DANTE

- Business arrangements:
  - Member of London Internet Exchange (LINX)
  - Transit purchased from NTT
  - TENET operates (contracted by UbuntuNet)

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LINX traffic

Ubuntunet London 7606 - Traffic - LINX Peering Port (10G)

		Current:	Average:	Maximum:
■	Inbound	458.53 M	510.22 M	943.41 M
■	Outbound	85.74 M	77.12 M	117.68 M

SEACOM traffic

Ubuntunet London 7600 - Traffic - SEACOM 10G INTERFACE 2

		Current:	Average:	Maximum:
■	Inbound	162.32 M	180.10 M	256.15 M
■	Outbound	675.03 M	775.17 M	1.34 G

How are the NRENs doing?

- In-country networks
  - KENET, MAREN, MoRENet, SUIN, TENET (SANReN), ZAMREN
  - On-going developments in many countries
  - Renumbering with PI IP addresses

- SEACOM capacity to UbuntuNet London
  - KENET (155 mb/s, upgrade planned)
  - RwEdNet (155)
  - TERNET (4 x 155 Mb/s)
  - TENET (10 Gb/s)

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Challenges

- SEACOM capacity not being shared
  - Each NREN buying its own
  - No price advantage through UbuntuNet
  - UbuntuNet faced tendering obstacles
- No regional network yet
  - Not even one cross-border link yet
  - However, Hope Eternal lies in ….

The Africa Connect Project

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Thanks for listening!

UbuntuNet Alliance