

African Internet Exchange Status Update

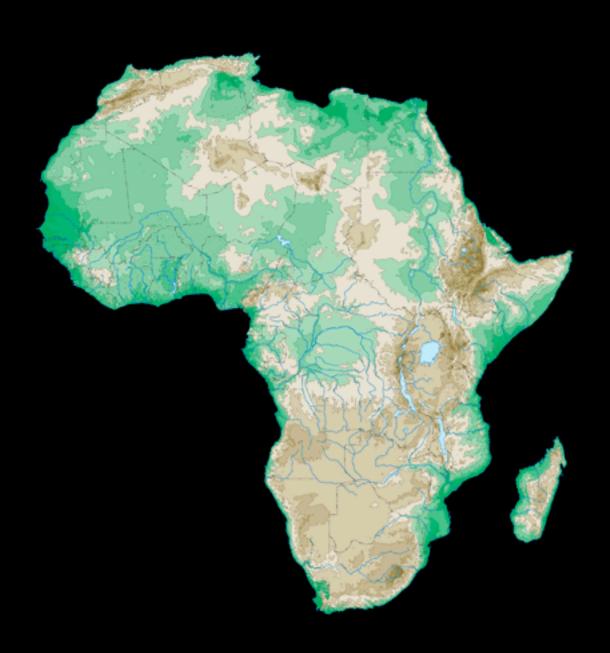
Version 2.0
July, 2004
Bill Woodcock
Packet Clearing House



Overview

Two large exchanges
Eight smaller exchanges
One exchange under development
One exchange defunct





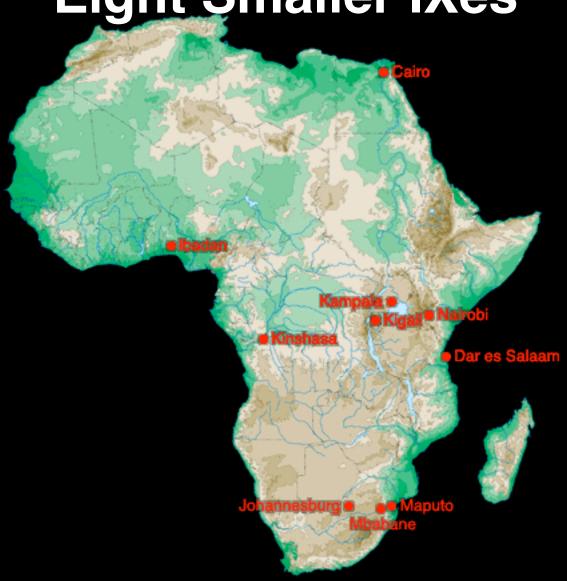


Two Large IXes











Accra GIXP In Progress

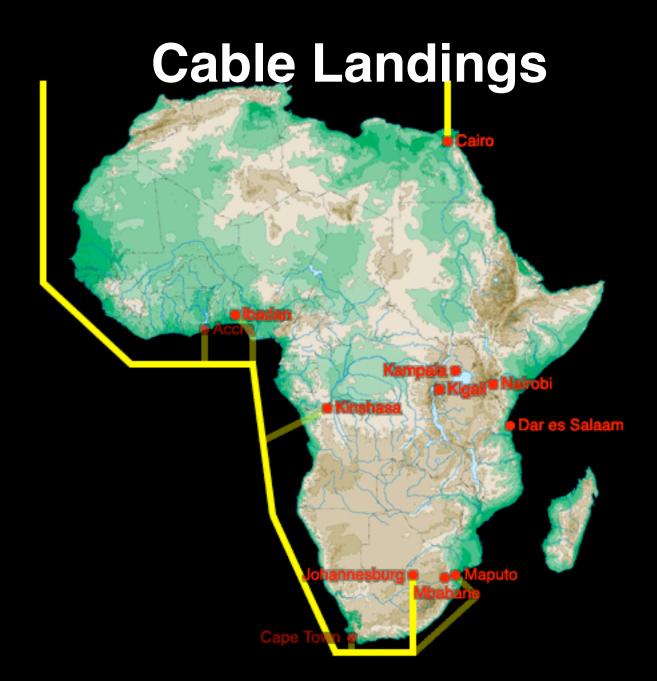




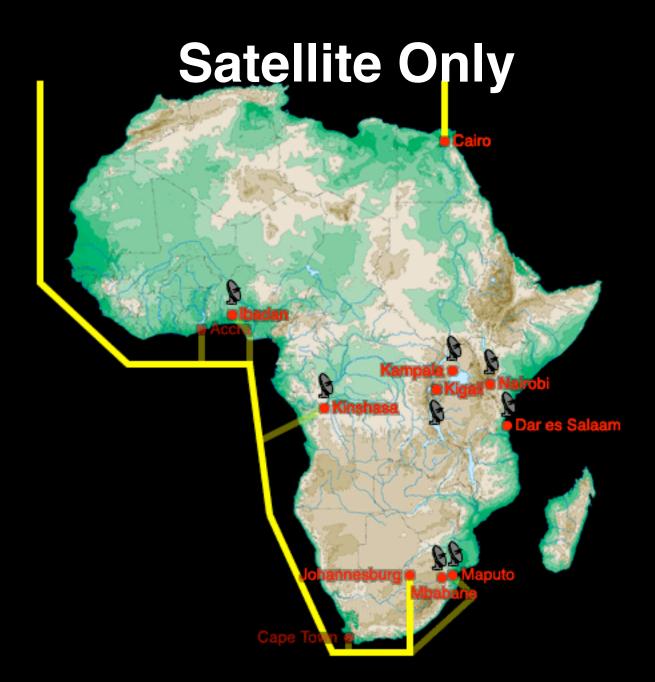
Cape Town CINX Defunct













Recent Successes

Rapid growth of TIX in Dar es Salaam

First two participants in January, four by May, ten now

Several fiber-connected (10mb & 100mb)

Several high-speed FSO & RF (10mb)

Rapid establishment of SZIXP in Mbabane

Established June 18, 2004

Three participants now

Permanent IP block applied for

Rapid establishment of RINEX in Kigali

Established July 27, 2004

Launched with six participants



Challenges

Slow growth in Kampala & Kinshasa
Little progress in West & Northwest Africa
Still no multinational carriers
Still no East African fiber



Active African IXes

	Established	Participants	Traffic Volume
Johannesburg JINX	December 1996	15	45 mbps
Nairobi KIXP	February 2002	11	3 mbps
Maputo MozIX	July 2002	7	4 mbps
Kinshasa PdX	November 2002	4	1 mbps
Cairo CR-IX	December 2002	9	
Ibadan	March 2003	2	200 kbps
Kampala UIXP	July 2003	5	
Dar es Salaam TIX	January 2004	10	1 mbps
Mbabane SZIXP	June 2004	3	128 kbps
Kigali	July 2004	6	400 kbps



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Where do we go from here?

Stop flight of capital

Retain African right of consumer choice
Reduce dependence upon overseas services
Repatriate African content publishing

Engage African productivity

Interconnect African cities through fiber.
Build competitive multi-national African carriers
Find the market for uniquely African content
Define yourselves through creativity rather than protectionism
Learn the value of "good enough"

Johannesburg • • Maputo



Thanks, and Questions?

Copies of this presentation can be found in Keynote, PDF, QuickTime and PowerPoint formats at:

http://www.pch.net/resources/papers/african-ix-update

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