

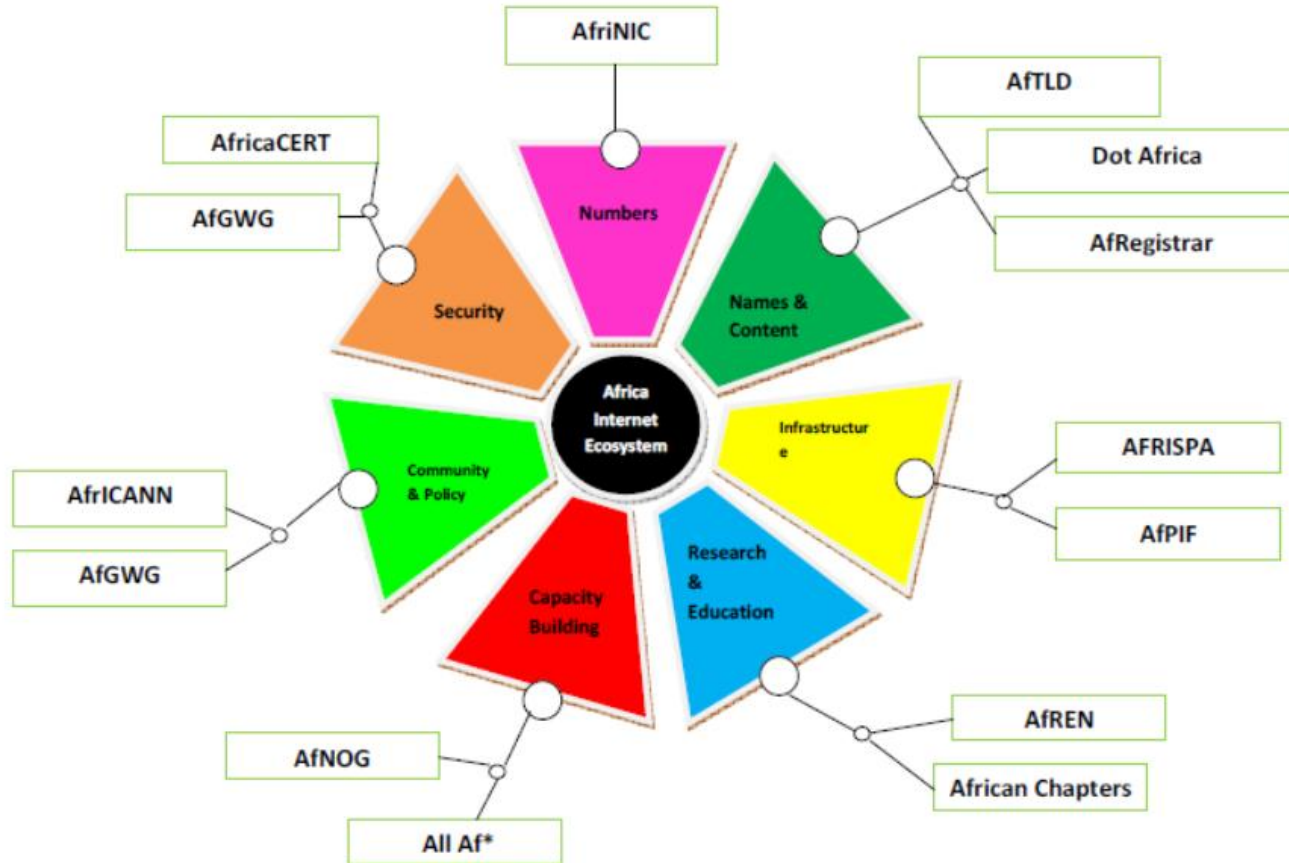


Promoting Cyber security in Africa

project@afriacert.org

Where are We today

INTERNET ECOSYSTEM & African Internet Institutions





Do you remember Af* at Cotonou Internet Governance meeting on December 1998 ?

Premises from Af* (African Internet Organizations

And Do you remember



Key things to not forget

AfNOG-1 meeting in Cape Town, South Africa from April, 30 to May 5, 2000.

AfNOG-5 / AfriNIC-1 meetings in Dakar, Senegal from May 16th to May 21, 2004.

Topic: "We all need CSIRTs in Africa" presented by David Crochemore - Member of the FIRST Steering Committee

AfNOG-9 / AfriNIC-8 meetings in Rabat, Morocco from May 24 to June 6, 2008.

Topic: "Why DNS-SEC?" presented by Olaf Kolkman

Topic: "Introducing CSIRT" presented by Yurie Ito (JPCERT)

Key things to not forget

AfNOG-12 / AfriNIC-14 meetings in Dar Es Salaam, Tanzania from 30th May to 10 June 2011.

Tutoriaux

AfNOG-6 / AfriNIC-2 in Maputo, Mozambique from April 17 to April 22, 2005.

Topic: A half day workshop done by Liliana Velásquez Solha (CAIS/RNP) with the TRANSITS materials - Training of Network Security Incident Teams Staff - operational and organizational modules as the basis.



AfNOG-9 / AfriNIC-8 Meetings in Rabat, Morocco from May 24 to June 6, 2008

Topic 1: "Setting up CSIRTs in the Africa Region" by Yurie Ito JPCERT/Coordination Center. (Half Day)

AfNOG-11 / AfriNIC-12: Meetings in Kigali, Rwanda from May 23 to June 4 2010

AfriNIC-13 meeting in Johannesburg, South Africa from Nov 20 to Nov 26 2010

Tutorial: Understanding and Identifying network attacks By Cecil Goldstein - Team Cymru

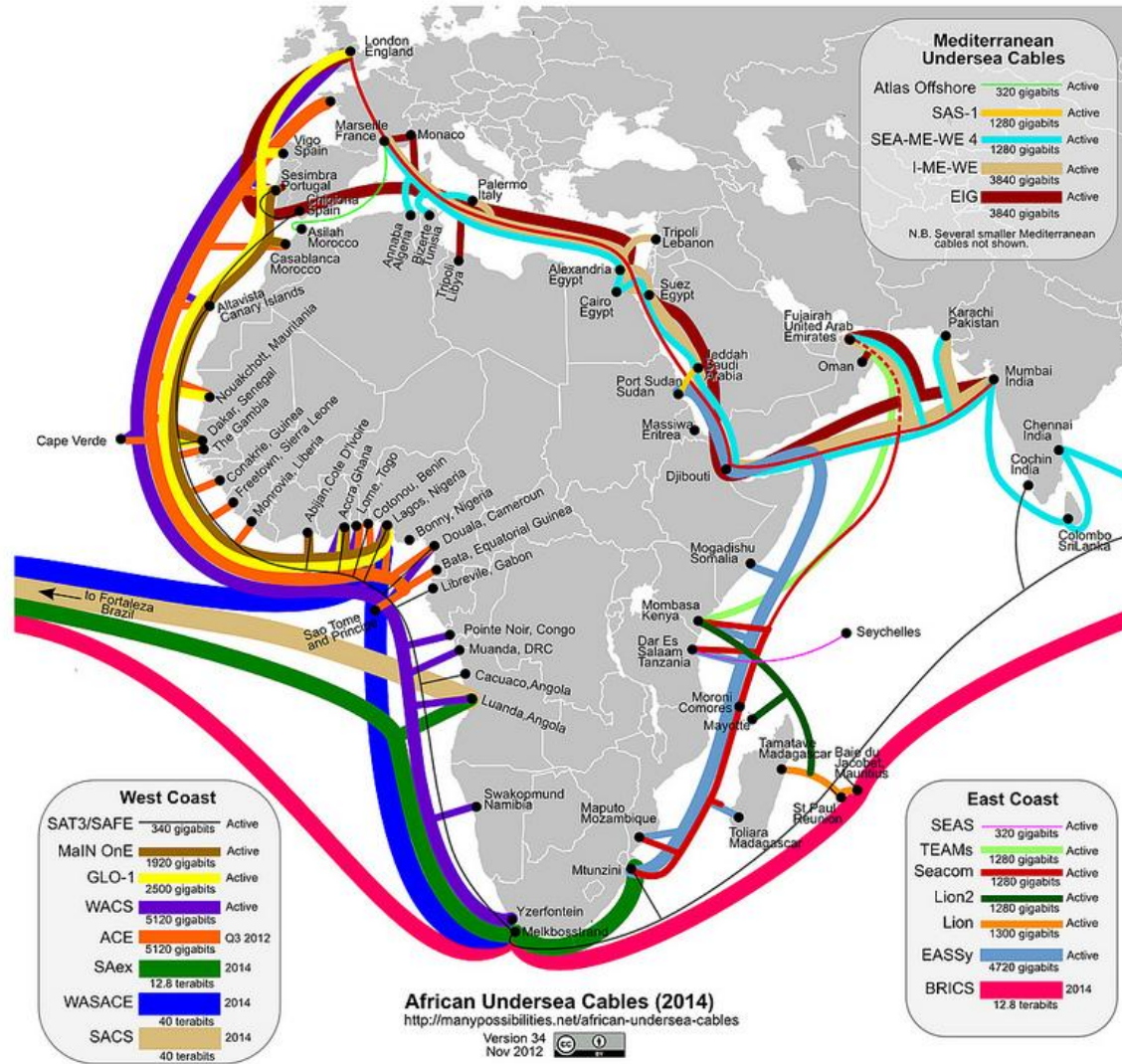


AfNOG-12 / AfriNIC-14 meetings in Dar Es Salaam,
Tanzania from May 29 to June 10, 2011
Two days training on Network Forensics & Malware
Analysis By Cecil Goldstein Team Cymru

WHY?

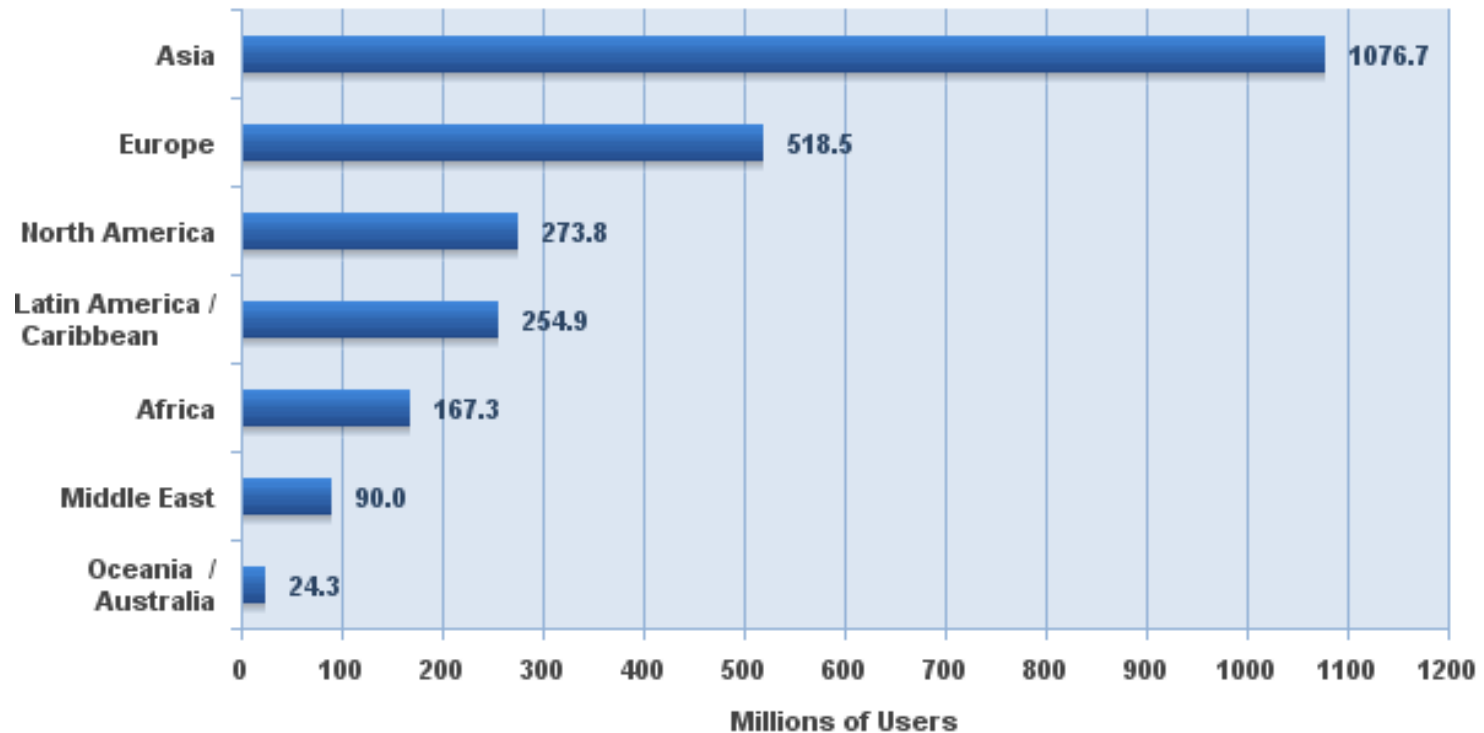
We remember ?

Getting More Connected



Getting More Connected

Internet Users in the World by Geographic Regions - 2012 Q2



Source: Internet World Stats - www.internetworldstats.com/stats.htm

2,405,518,376 Internet users estimated for June 30, 2012

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And We have

- Strong Mobile Penetration
- Little or No Awareness on Security issue at II level
- Very few CSIRTs (they´re not known or simply do not exist)
- When they exists, few cooperation among them
- Hactivism and Hacking activities
- Few or no whois response from contacts (Some are obsoletes).
- Inexistent regional communication infrastructure that allows coordinated response to security incidents
- African Convention on Cyber security initiative but still Lack of specific laws for digital crimes in most of the countries. Different laws in different countries

Known CERTS

- Organization of The Islamic Cooperation - Computer Emergency Response Teams (OIC-CERT)
- East African Team
 - Tunisia
 - Morocco
 - Egypt
 - Cote d' Ivoire
 - Rwanda
 - Uganda
 - Mauritius
 - Burkina Faso
 - Sudan
 - Cameroon (Status?)
 - Many under formation

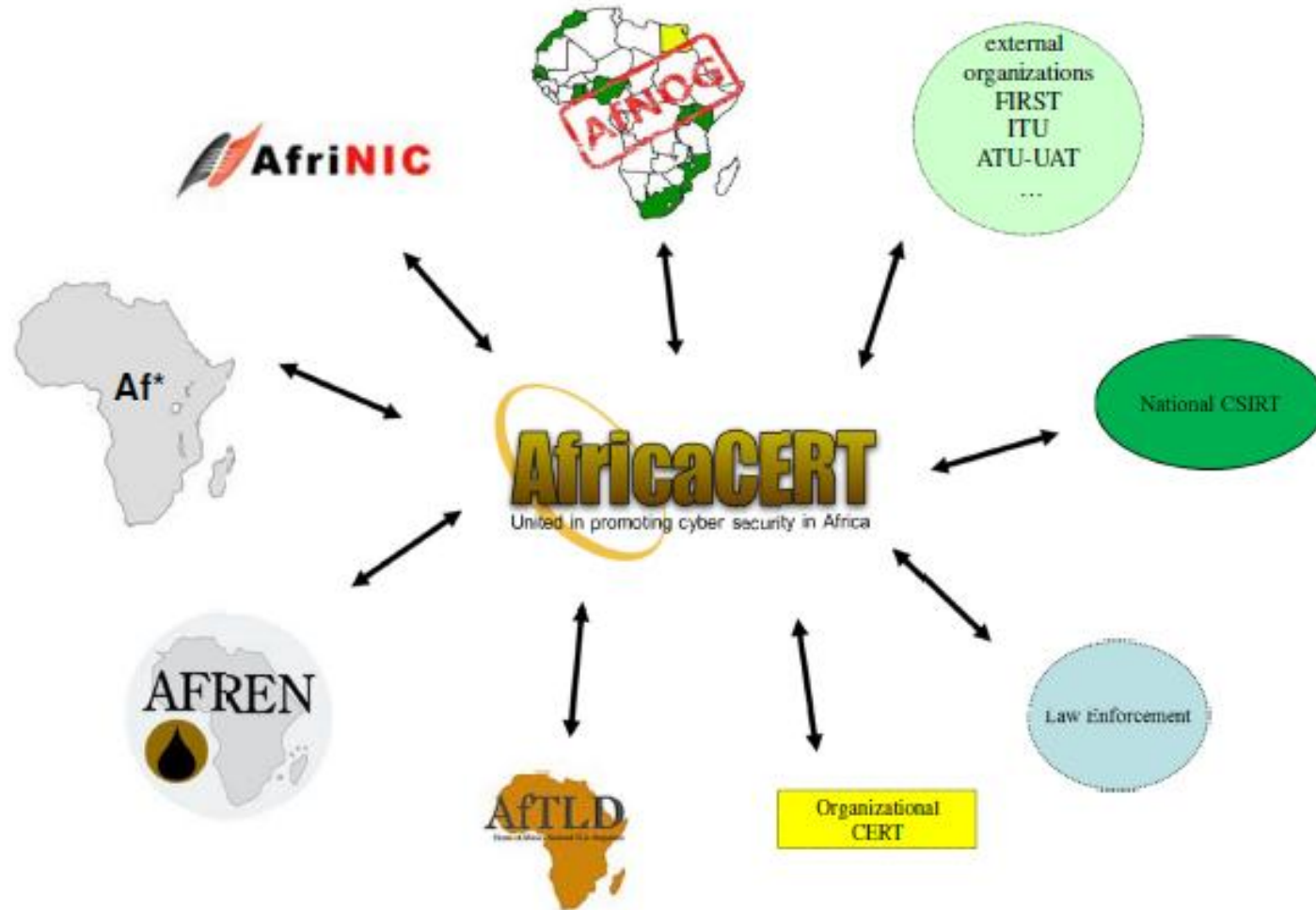
The Need for a Regional Plateoform

Incidents are received from outside and not coordinated.

A need for cooperation and Collaoration among to promote cybersecurity in Africa became critical.

The African Internet community has formed over the years several entities to respond to specific needs. AfricaCERT is the response to the promotion of cybersecurity in Africa.

AfricaCERT 's Stakeholders



Response Level

- Respond to Incident requests
- Liaison to African Countries and the ROW
- Capacity Building and Enable creation of CERT and Security Teams.
- Collaboration with REN in Capacity building and in Education initiatives
- Collaboration with Law Enforcement.

LIMITED RESSOURCES vs BUSY AGENDA

Achievements

1. Awareness raising at AfriNIC/AfNOG Meetings
2. Tutorials Twice a year.
Botnets, secure operations, advanced forensics etc...
3. CERT trainings on CERT operations, Incident Response, Policy twice a year done with JPCERT, AAF, AfNOG
4. AfricaCERT Cybersecurity Day Twice a year
5. Workshop with Francophone Police / Partners
6. Intelligence Feed and Alerts

Achievements

7. Liaison (A liaison now in FIRST)
8. MOU with OIC-CERT
9. Incident Coordination.
10. Start receiving Alerts from Other CERTS

Future Work Area and Projects

1. To become Fully Operational
2. Focus is on capacity building and identifying partners to work with us
3. Working on the Membership model
4. Creation of a Registrar/CCTLD Working Group.
5. Appoint Liaison to other bodies
6. AfricaCERT Cybersecurity Event – 1 time a year

Questions