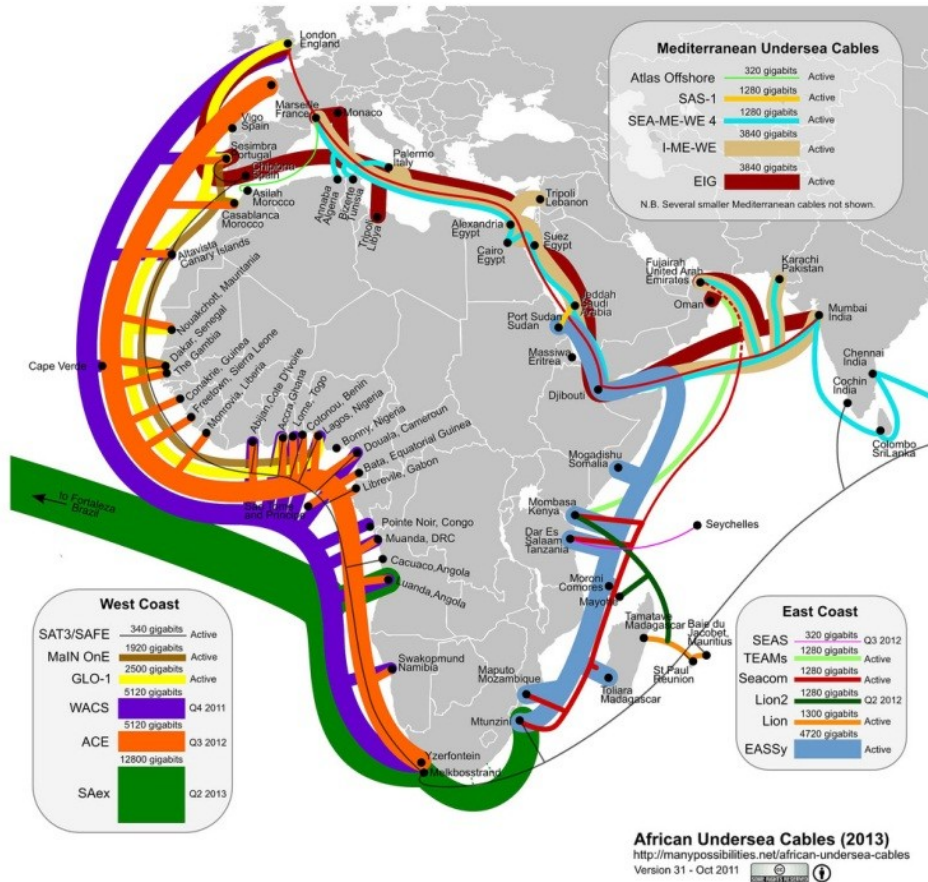# AfricaCERT
http://www.africacert.org

by

Jean Robert Hountomey

project@africacert.org

What to Keep form My Presentation

- We are getting more and more connected

- Security issue is not new, security is modernizing

- New threats moving fast

- We are all in the same boat.

- Develop your solution but don't forget the need of global

  coordination.

Africa is getting connected

- More Infrastructure

- Larger speed

- More devices

- Big Mobile Penetration

- New services: e-something

What is the Speed: 30 Tb/s

	Seacom	EASSy	TEAMs	WACS	MainOne	GLO1	ACE	SAex
Cost (millions of USD)	650	265	130	600	240	800	700	500
Length (km)	13,700	10,000	4,500	14,000	7,000	9,500	14,000	9,000
Capacity	1.28 Tb/s	4.72 Tb/s	1.28 Tb/s	5.12 Tb/s	1.92 Tb/s	2.5 Tb/s	5.12 Tb/s	12.8 Tb/s
Completion	July 2009	July 2010	Sept 2009	Q3 2011	Q2 2010	Q3 2010	Q2 2012	Q2 2013
Ownership	USA 25% SA 50% Kenya 25%	African Telecom Operators 90%	TEAMs (Kenya) 85% Etisalaat (UAE) 15%	Telkom Vodacom MTN Tata (Neotel) Infraco et al	US Nigeria, AFDB		France Telecom et al See below for full list	?

I consult the wise

What are the new products and services to have

a successful business and to be rich ?

Think BIG

Start Small

Scale Fast

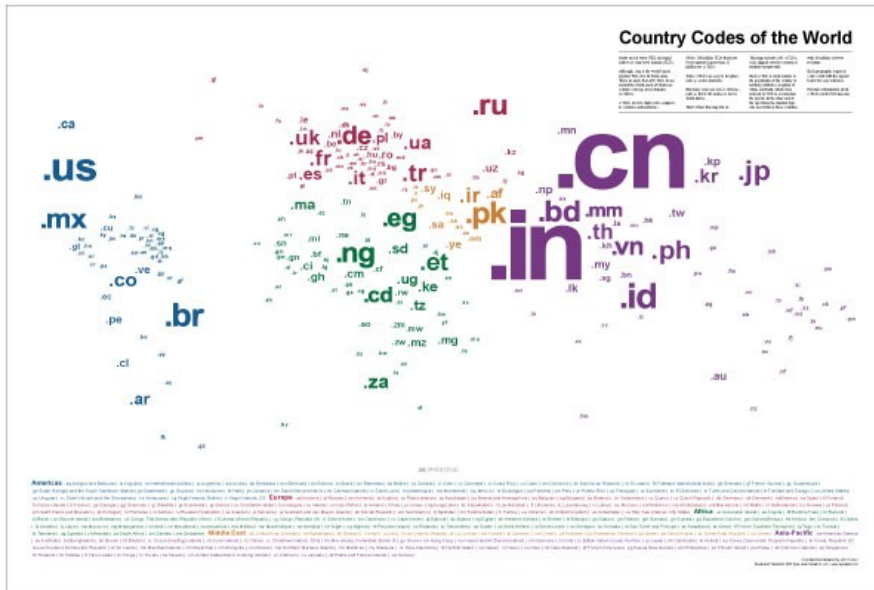# **Step 1: Online Real Estate Company**

- 100% success

- Little Investment

- Sell government owned properties

- Museum

- Historic Places

- Port

How?

- Register a domain name with a CCTLD in Africa: you can register a domain with FAKE INFOS.

- Find a Hosting Provider in Africa. With the number of Botnets in Africa, By chance you can even host a webserver without providing some infos. Be Ready to move in less than a week.

You can also do it without hiding

- Announce that you sell properties in the Moon, on Mars, on Jupiter.
- Find a Great Idea
- Send 10% of your gain to support a Non Profit Activity with big TV Shows

Result of :

-Absence of Coordination

-When GOVs forget People and Private Sector

By Chance you will receive an Award as business man

Step 2: Reinvest that Money

- Go and See an Telecom Operator

- Some can allow you to provide Mobile
  Solutions

- Give them a revenue sharing: 70/30

- Spam People legally – Promise Gain
  and Prices

- Give it to People, they will advertise
  for you.

You can Make $100 000 / Month

Step 2: Is it ?
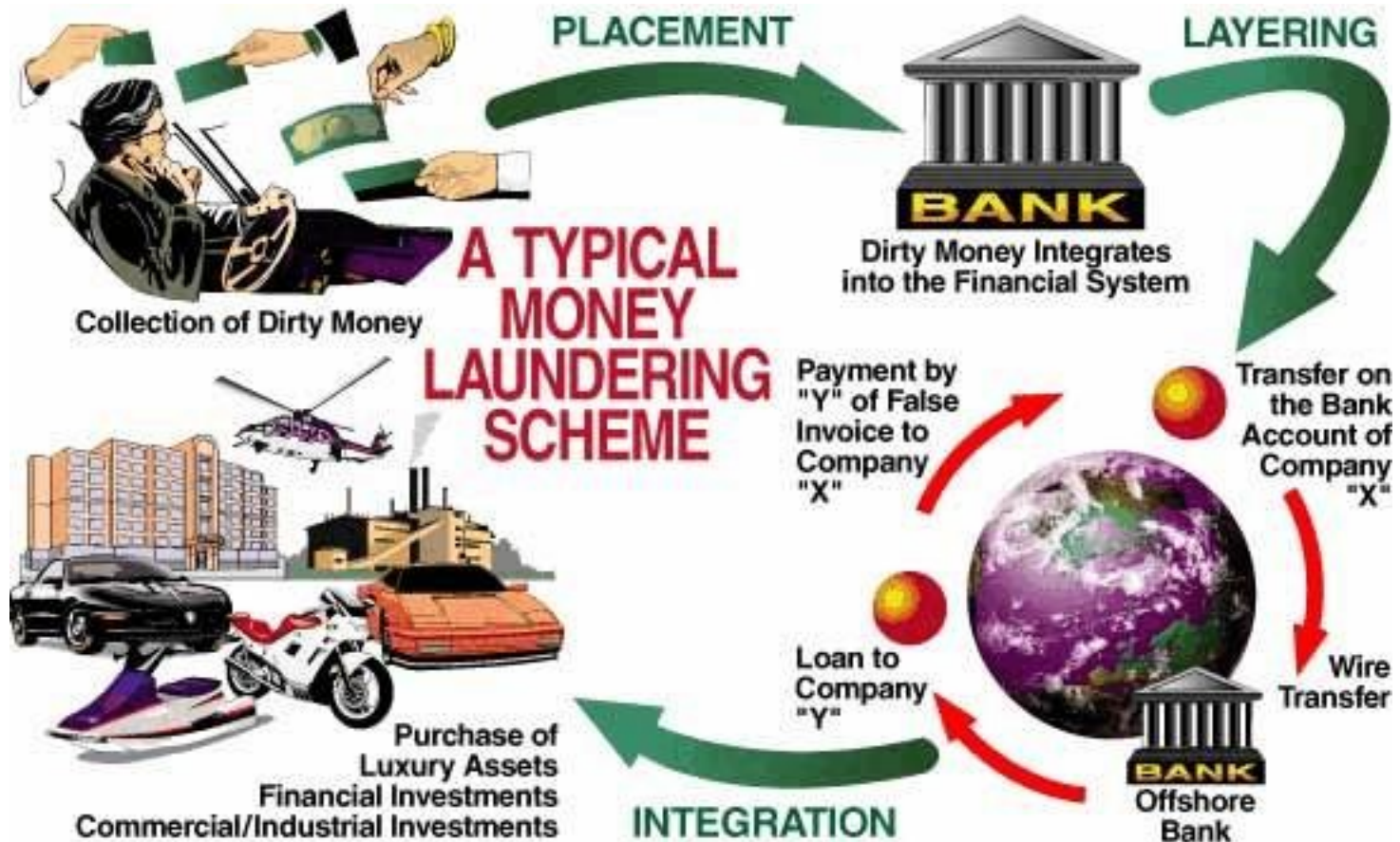
Step 3: Show signs of sucess

- People talk to you when you have big cars, House etc…

- It will help you to recruit your staff

- To talk to big People.

- Offer High services

- Be Careful

Step 4: Sell Additional Services

- You can sell investment solution

- Tell people that they win lottery / Prices and you organize travel for them

- Pretending to be the son of a big man who died and leave some money

- Sell email database at the international Market 1 cent/email

- Buy/Sell tools/solution/Products in the underground Market

- Sell Chat solutions / Erotic solutions

- Setup Botnets, and Sell them

What do skimming devices look like?

Spot the difference...Can you tell now?

- Top photo shows an unadulterated ATM fascia. The flashing lead-through entry indicator is easily observed.
  Note: Most skimming devices when fitted will obscure the flashing entry indicator. This should be a vital clue to any suspect tampering.

Spot the difference in the next photo.

- A skimming device has been placed in or near the card reader slot. Although the device has been given the appearance of being a standard part of the terminal it is in fact an additional fitted piece and is clearly different from the above photo.
  Note: No flashing lead-through light can be seen and the shape of the bezel is clearly different.

Commonwealth Bank

- Credit Card Skimming devices less than $1000

- Hacking into **GSM** for only $1500

- Sell Information, CC Dumps or use them
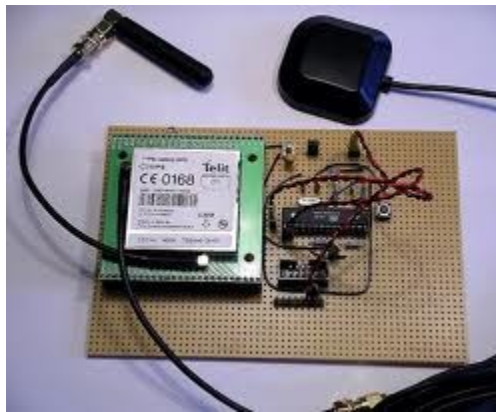
Step 5 : Prepare for Change

- Buy tools equipment

- Hack Government Website

- Target Officials

- Send their email / SMS and Private

  Conversation online

- Near Elections, Hack, Hack and Hack

- You can even organize Online Guerilla

Then

- Announce that you are security expert

- Sell your services at the High Price

 first to Government; Build credibility

 and Extend your Market

- Show the Face of a God Citizen

 Willing to Help.

REPUBLIQUE DU CAMEROUN
Présidence de la République

English Version   Actualités   Paix - Travail - Patrie   Lundi 21 novembre 2011

Le Magazine du Palais   "MERCI AU PEUPLE QUI M'A CHOISI"

                                                              Les félicit

Accueil

Rechercher   OK

● LE CAMEROUN
● LES INSTITUTIONS
● LA PRESIDENCE
   Organisation
   Services

Messagerie   Phototèque

                                                    Paul BIYA

                                        " ENSEMBLE RELEVONS LE DEFI
                                          DES GRANDES REALISATIONS ".

                                        de la République Fédérale
                                        d'Allemagne

Au lendemain de la prestation de serment de S.E. Paul BIYA au
Palais de l'Assemblée Nationale, le 03 novembre 2011, le
Secrétaire Général de l'Organisation des Nations Unies, Monsieur
Ban Ki-Moon, qui a « suivi avec intérêt le déroulement pacifique du
processus électoral au Cameroun » a adressé un message de
félicitations au Chef de l'Etat...Lire

□ Proches Collabora-
  teurs du Président

● LE PRESIDENT
   Biographie
   Réalisations
   Pensée Politique

● ACTUALITES
   Magazine du Palais

□ Culte
interreligieux
d'amour, d'unité et
de paix au
Cameroun...Lire ▶

□ Paul BIYA pour

Suite à la réélection de S.E. Paul

● Actes du Chef de l'Etat

● Les audiences

● Les Interventions
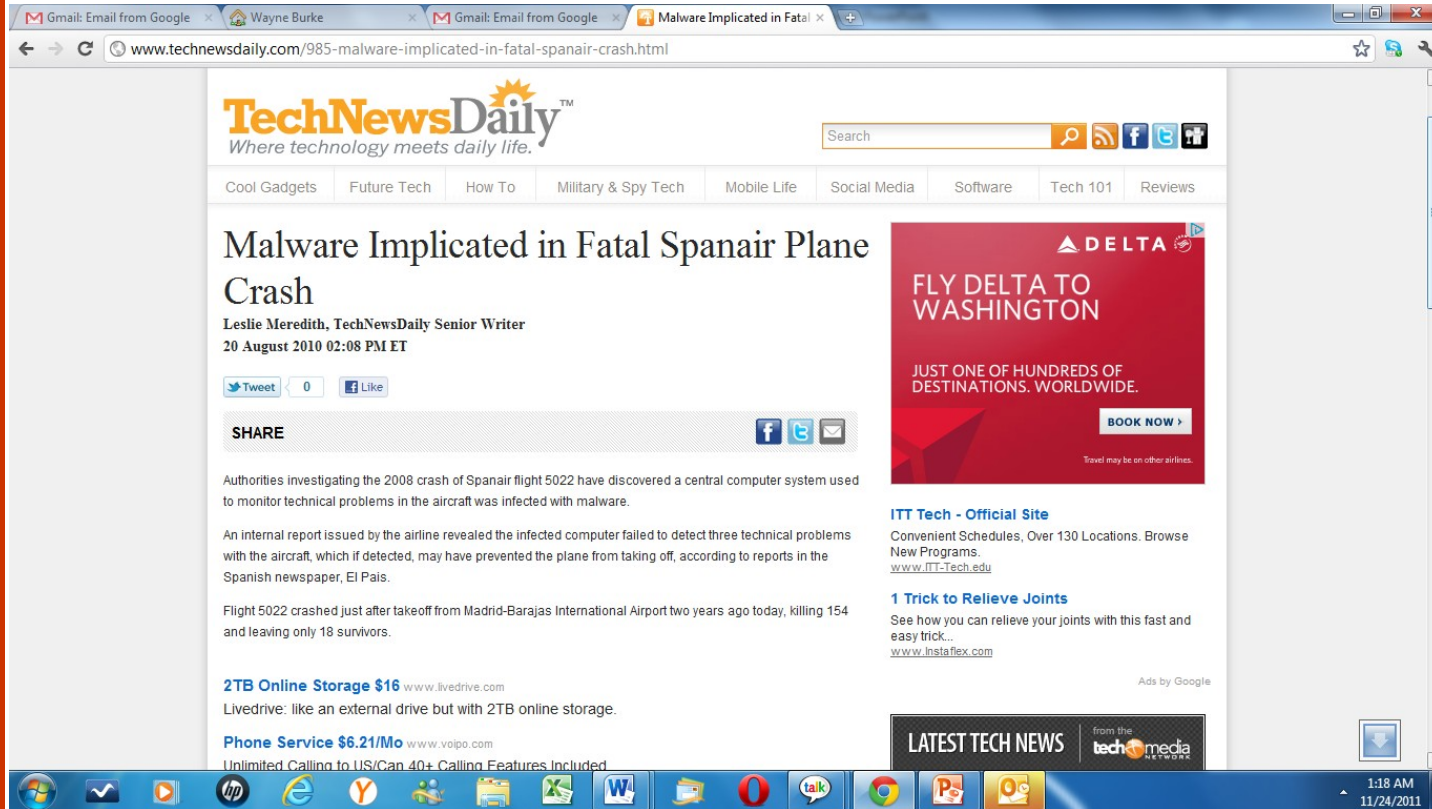
PRESIDENTIELLE 2011
MEDIATHEQUE

L'ANNEE DU PRESIDENT
2010

                                                                        2:02 AM
                                                                        11/21/2011

Be Sure that People see this. Don't comment let's people comment

- **RFP 2011-11-24**

- Looking for people who knows how to put a malware in the cockpit

  of a plane

All these remember us the need for :
- Incident Response
- Training and Awareness Raising
- Cooperation and Collaboration
- Global Coordination

Our Pioneers has defined the path

AfricaCERT

Enabling CERT / CSIRT in countries

Tackled several issues:

- Securing the core,
- Delivering secure services
- Providing awareness raising and capacity building

From AfNOG 2000: Strong statement

Awareness raising

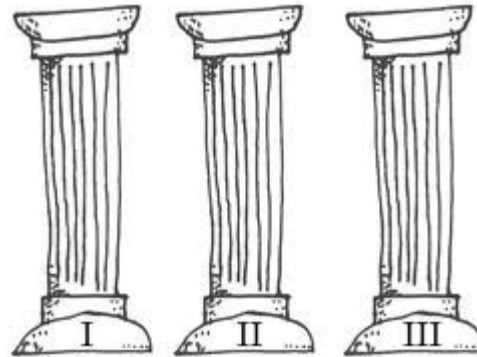**AfNOG-1 meeting in Cape Town, South Africa 2000**

Topic 1: "Denial of Service ((DOS), What they are and how to defend against

them" presented by Alain Aina

Topic 2: "How not to be a spam relay" presented by Adiel Akplogan

AfNOG-4 meeting in Kampala, Uganda 2003.

Topic 1: "Content Security Panel" Chairperson: Sunday Folayan

Topic 2: " Web security" presented by Joel Jaeggli

Topic 3: "SPAM" presented by Noah Sematimba

Topic 4: Network and Services Security" presented by Jean Jacques B

Awareness raising

AfNOG-5 / AfriNIC-1 meetings in Dakar, Senegal 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 2008.

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

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

AfNOG-10 / AfriNIC-10 meetings in Cairo, Egypt 2009.

Topic:"CSIRTs and FIRST Activities" presented by Chris Gibson

Topic: "Network Level Spam Defenses" presented by Nick Feamster

Awareness raising

AfNOG-11 / AfriNIC-12 meetings in Kigali, Rwanda 2010

Topic: "Is privacy on the Internet still possible" presented by Jean Robert

Hountomey

AfNOG-12 / AfriNIC-14 meetings in Dar Es Salaam, Tanzania 2011.

- Confronting the Threat Profile for Africa - Security for $1-day presented by

Cecil Goldstein.

- Understanding and meeting the new challenges of Cyber-security presented

by Prof Benoit Morel.

Tutorials

AfNOG-6 / AfriNIC-2 in Maputo, Mozambique 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 2008

Topic 1: "Setting up CSIRTs in the Africa Region" by Yurie Ito

JPCERT/Coordination Center. (Half Day)

Topic 2: "DNSSEC: Why, how, why now?" by Olaf Kolkman and Alain Aina

(Half Day)

Tutorials

AfNOG-11 / AfriNIC-12: Meetings in Kigali, Rwanda 2010

Topic 3: "DNS SEC Tutorials" by Alain Aina

AfriNIC-13 meeting in Johannesburg, South Africa 2010

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

AfNOG-12 / AfriNIC-14 meetings in Dar Es Salaam, Tanzania 2011

Two days training on Network Forensics & Malware Analysis By Cecil Goldstein Team Cymru

__Workshop__

Af-Cyersec2008 - Cybersecurity event in Cote d'Ivoire from Nov 18 to 20, 2008.

An international conference on cybersecurity organized by Didier Kla was hosted in by the governement of Cote d'Ivoire in Yamoussoukro, on the theme: "Building a digital space of trust in Africa". Organized with the support of Francophonie & the Government of Cote d'Ivoire. The conference raised the need for collaboration between African countries in cybersecurity.

Workshop

Cybersecurity Workshop in Kigali – Rwanda on May 30, 2011

A Cyber Security Workshop was organized jointly with AfricaAsia/AfNOG/AfriNIC/AfREN

Cybersecurity Workshop in Yaounde, Cameroon. November 22, 2011

First AfricaCERT cybersecurity Workshop

Workshop

Secure Registry Operation by AfTLD.

The African Top Level Domains Organization (AfTLD), the association of African country code top level domains (ccTLDs)code top level domains (ccTLDs), held at its 5th Annual African ccTLD Event in Ghana from April 17 to 23 2011 hosted by the National Information Technology Agency (NITA) of Ghana with the support of the Ministry of Communications Ghana and other local sponsors a five five-day technical training workshop on Secure Registry Operation Course (SROC) , an initiative of ICANN, ISOC and NSRC

The AfriNIC Government Working Group (AfGWG) - Law Enforcement initiative.

Collaboration framework to strengthen the collaboration between AfriNIC and African Governments and Regulators to create a dynamic framework to address :

-(i) General Internet Governance challenges faced within the region

-(ii) Specifically those internet governance issues related to Internet Number Resources.

AfGWG had its first meeting in Mauritius from January 25 - 26 2010..

The AfriNIC Government Working Group (AfGWG) - Law Enforcement initiative.

Presentations at AfGWG meetings tackled several issues:

- CERT Update and Reports

- Role of CERT for government

- FBI Cyber Crime Initiatives

- USDOJ Cyber Security

- European Convention on Cybercrime

- Cyber Security in Africa – Law Enforcement (Initiatives, Challenges,

Accomplishments)

- Protecting Critical Infrastructure

Cert training courses

AfNOG /AfriNIC/ Africa Asia Forum on Network Research & Engineering

1.CERT Training Course for Manager and Policy Maker

-May 31, 2010 at AfNOG-11 / AfriNIC-12 meetings in Kigali, Rwanda

-Nov 23, 2010 at AfriNIC AfriNIC-13 meeting in Johannesburg, South Africa

-May 30, 2011 at AfNOG-12 / AfriNIC-14 meetings in Dar Es Salaam, Tanzania

-Nov 21, 2011 at AfriNIC-15 in Yaounde, Cameroon (French Version)

Cert training courses

2. CERT Training Course for Technical Staff

- Nov 23, 2010 at AfriNIC AfriNIC-13 meeting in Johannesburg, South

Africa

-May 31 to June 02, 2011 at AfNOG-12 / AfriNIC-14 meetings in Dar Es

Salaam, Tanzania

3. Advanced CERT Training Course

-June 3 to June 4 , 2011 at AfNOG-12 / AfriNIC-14 meetings in Dar Es

Salaam, Tanzania.

-Nov 19 to 20, 2011 at AfriNIC-15 in Yaounde, Cameroon.

The Premises of AfricaCERT

Declaration of the AfricaCERT project - Kigali, Rwanda. May 30, 2010

Declaration of Kigali to create a Computer Emergency Response Team for

the

Africa Region.

**Dar Es Salaam Bof. June 5th, 2011.**

African delegates present in Dar Es Salaam have organized a BOF on the

creation of a Computer Emergency Response team for the African Continent.

The Vision of AfricaCERT

Vision: United in promoting cyber security in Africa.

Because the African Continent is more and more connected, AfricaCERT facilitates incident response capabilities among African countries and provides capacity building, access to best practices, tools and trusted communication at the continent level.
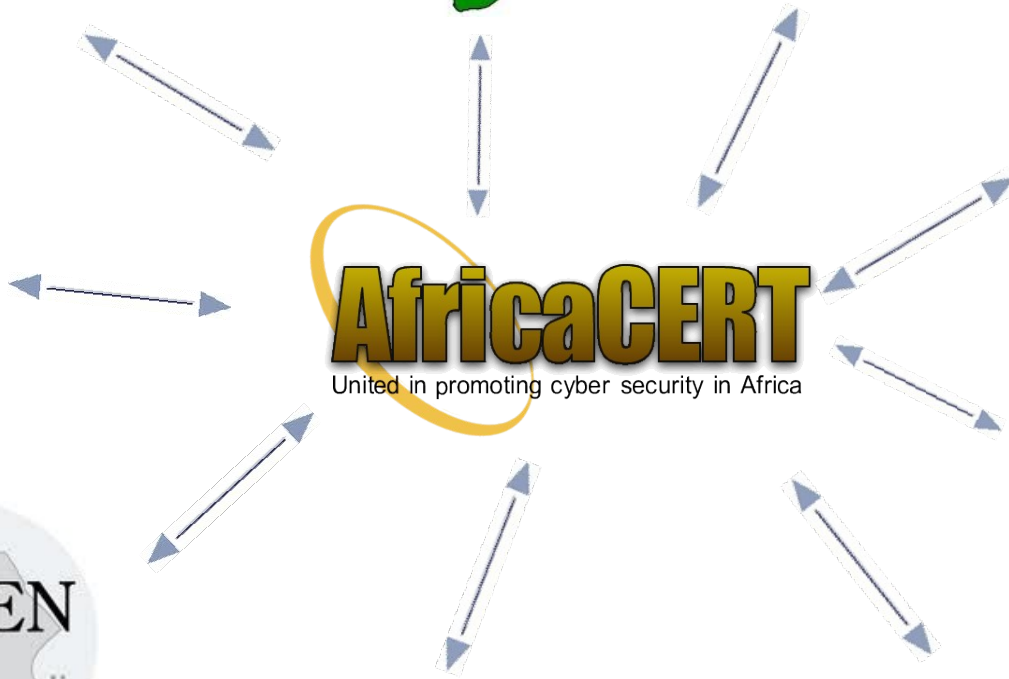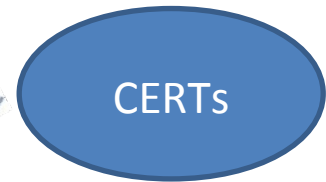
International Cert Communities
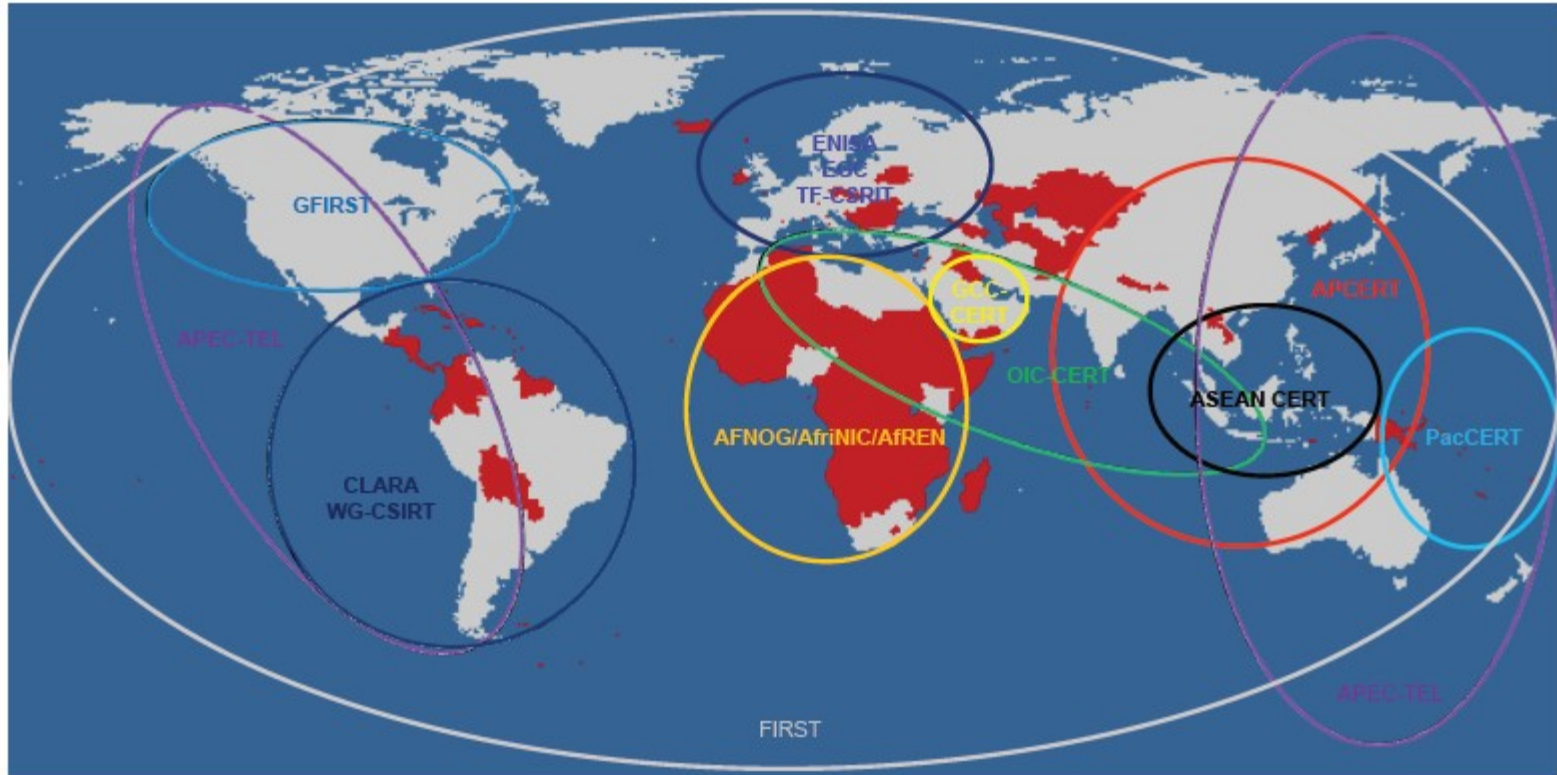
AfricaCERT
United in promoting cyber security in Africa

- is the African forum of computer incident response teams who cooperatively handle computer security incidents and promotes incident prevention programs;

- provides a forum for international discussion, and technical assistance within the African Continent;

- provides security incident response coordination (in Africa and with other continents);

- provides a framework for Members to discuss and promotes common agreements, policies and technological standards;

- promotes capacity building, education efforts and human resource development.

The First Committee: AfricaCERT Law practitioners and Policies Makers

The ALPC provides a venue for the examination and recommendation of legal frameworks related to cyber-security, as wells as impacting the deployment, management and regulation of networks and infrastructure systems.

The ALPC explores legal view and solutions to problems where the law and information security intersect such as issues related to cyber-crime, privacy in the cyberspace, security in the cyberspace, intellectual property dispute in the cyberspace.

How to participate

- EveryBody is Welcome to participate through our mailing list discuss@africacert.org

- Certs in the African Continent, we need you and we have resources for you.

- Any initiative is welcome email: project@africacert.org

With Big Thanks to

Alain Aina

Adiel A. Aklplogan

Kilman Chon

Pierre Dandjinou

Anne Rachel Inne

Pierre Ouedraogo

Nii N. Quaynor

Suguru Yamaguchi

Questions