



MANAGEMENT OF DOMAIN NAME EXPERIENCE OF THE IVORY COAST

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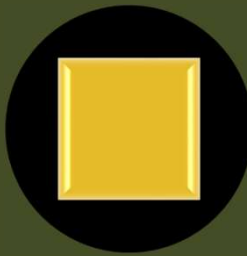
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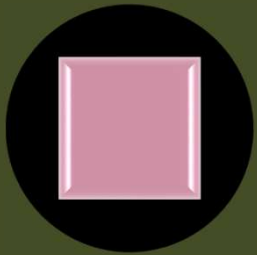
PRESENTATIONS



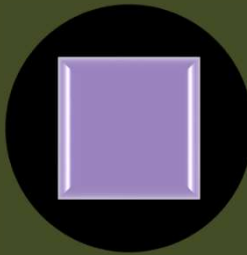
".CI" is the top-level domain name of Côte d'Ivoire,



Implemented by the INPHB under the leadership of Professor OUMTANAGA's team, since 1995



Managed since February 24, 2014, by ARTCI (Telecoms and ICT Regulatory Authority of Côte d'Ivoire) which ensures the function of national registry of the top level domain name of Côte d'Ivoire, in accordance with the order 2012-293 of March 21, 2012 relating to Telecommunications/ICT.



The registration model for the point ".ci" is as the 3R model (registry, registrar, register)

TECHNICAL TEAM



Head of Department

guarantee the administrative and technical management of the .CI



Admin Officer

Ensure administrative management and relations with registrars



Technical Officer

Ensure the installation, operation and maintenance of infrastructure.



Monitoring Officer

Ensure the proper functioning 24/7. Manage incidents.

INFRASTRUCTURE

RESSOURCES PHYSIQUES

NB: Close collaboration with the national exchange point of Côte d'Ivoire

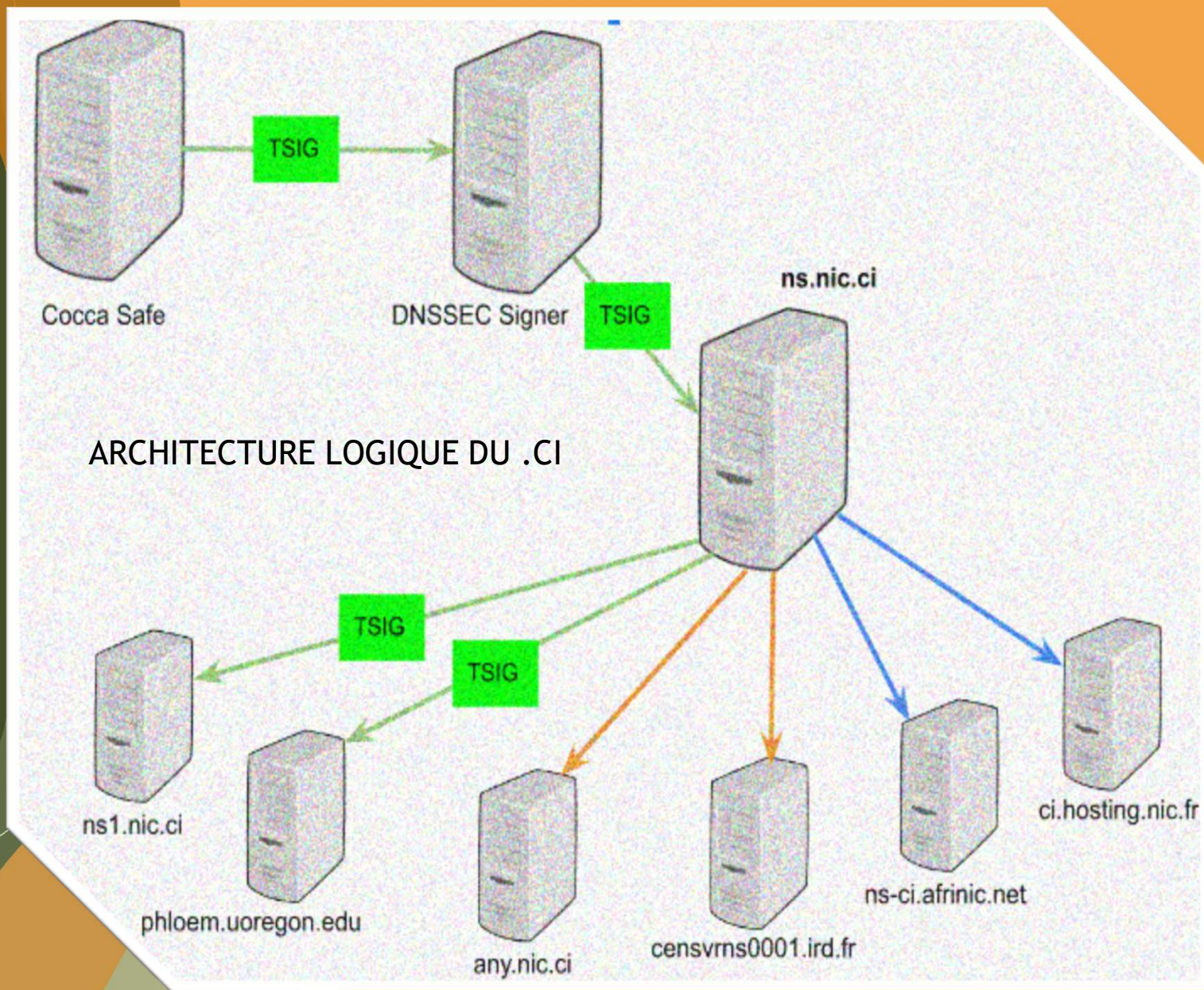
Physical resources include:

02 hypervisors

04 essential virtual machines

- Signer Server (DNSSEC)
- 03 Local DNS servers
- 05 Secondary DNS servers located around the world
- A web server

INFRASTRUCTURE





► STATISTICS



WHOIS nationale



Domain names created

+ 21 000



Annual growth of domain names.

+ 20%



Registrars

36



Monthly operations

> 1 000



High availability

24h/24,
7j/7



The major challenges

Accessibilities

Availability

Performance

Securing DNS Transactions

LES DEFIS MAJEURS



Accessibilities

Registrar Pricing Policy

Give any citizen the possibility of accessing .CI domain names

Price charged is 5000 F CFA or \$10

Interactive framework for exchanges with Registrars through the COCCA domain name management platform

Dispute management systems between Users and Registrars



Availability

Optimization of the technical infrastructure through the extension of the secondary DNS server network

We have moved to 7 secondary DNS servers, 3 of which are ANYCASTING DNS: As a result, good performance in terms of DNS resolutions in all four corners of the world

Redundancy system was developed at operational services level.

Operations possible 24 hours a day

LES DEFIS MAJEURS

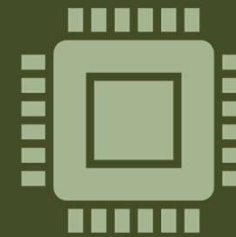


Performance

Interactive exchange platform between registers and registrar

Automatic processing of EPP requests

Propagation delay < 10 mins

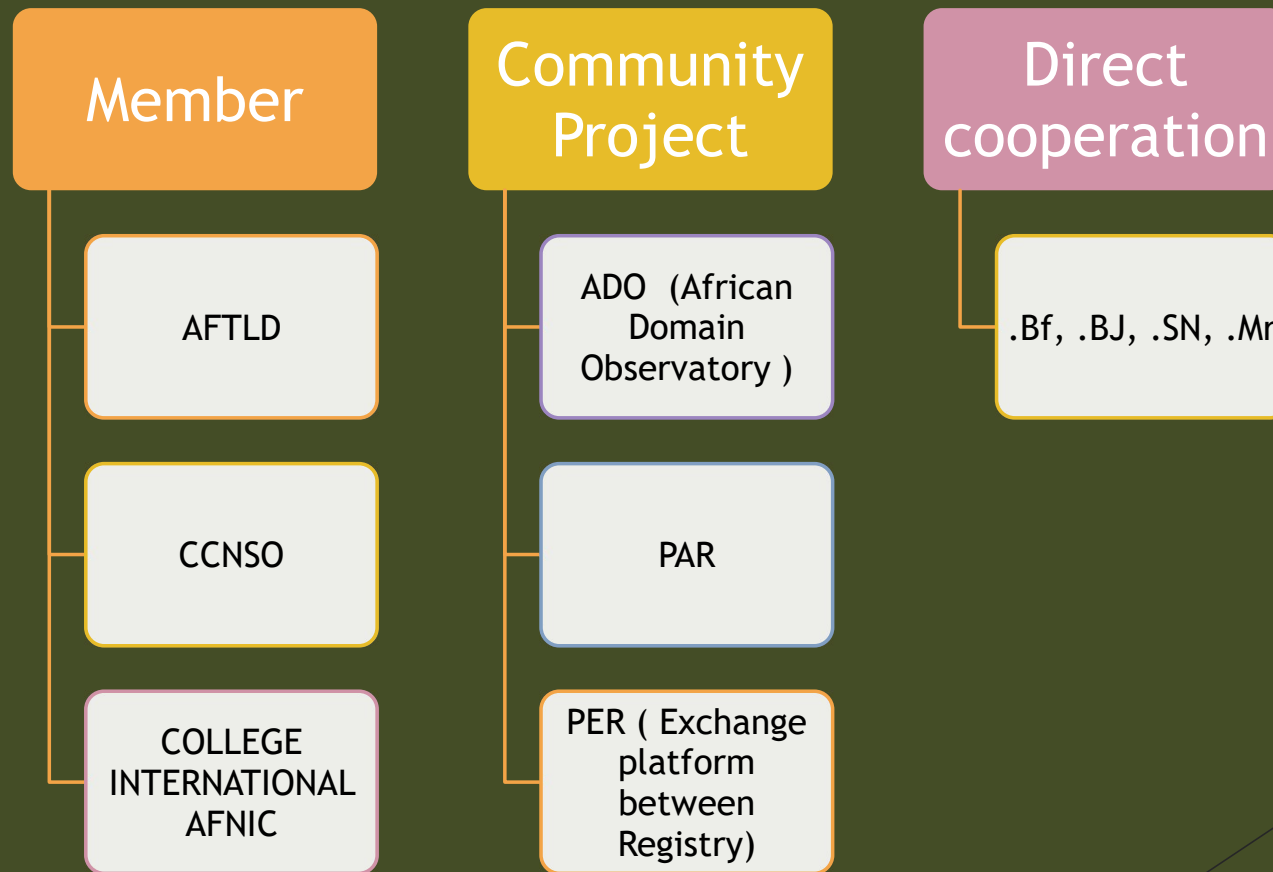


Security

Implementing the DNSSEC protocol

All DNS transactions are now secure

Collaboration internationale



PERSPECTIVES



REACH 100,000 DOMAIN
NAMES IN 2030



REDUNDANT
INFRASTRUCTURE



TAKE AN ACTIVE PART IN
CCNSO ACTIVITIES



THANK YOU