

# CAIX

# AnyCast Root Server

Haitham el Nakhal

NTRA

AfriNIC, AnyCast workshop, Cairo, Nov. 2008

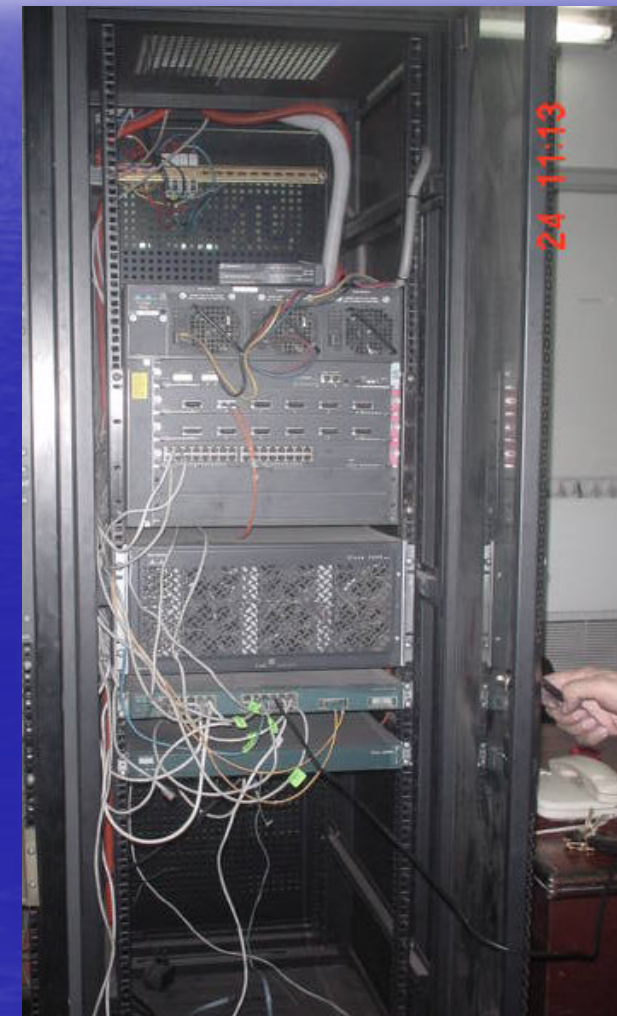
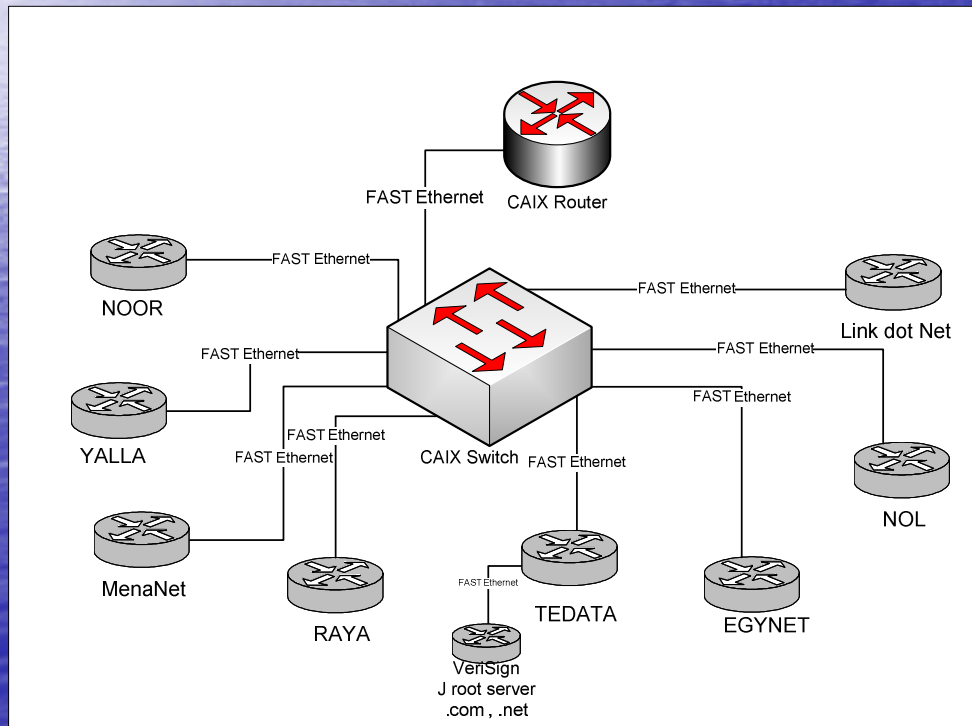
# Current Connected ISPs

- 4 Class A ISPs (Tier 1)
- 4 Class B ISPs (Tier 2)
- Total Average Aggregated Exchanged Traffic :

**125 Mbps**

# CAIX “Cairo Internet eXchange”

- Established in Q2 2002
- <http://caix.tra.gov.eg>  
81.21.98.18



# Internet Bad Day

- 30<sup>th</sup> of January 2008
- We survived (SEA-ME-WE)
- IXP , ccTLD, & J Root-server

# *Case study : CAIX*

1. **Site neutrality**: Is very Important for ISPs in Egypt ... actually it's a condition of ISPs to connect.
2. **Regulations**: Interconnection mentioned in Class A & B ISP Licenses and ISP's compromise on **NO** charges for exchanged traffic.
3. **Access to IX ?** (Telco transit, access to fiber,...etc):  
Data transit through Egypt is allowed by ISP license but no VoIP termination inside Egypt

# *Case study : CAIX*

4. **Cost ?** It's Free

5. **Facilities ?** Rack contains Router + Switches

6. **IX members ?** ISPs (Tier 1 & 2)

7. **IX Association ?** No IXA/ISPA in Egypt

# VeriSign requirements:

- 12 Rack Units.
- 25 Mbps Internet connectivity. (T3)
- /24 real IP address for peering.
- Dedicated AS number for peering
- They get their servers and router.

The background is a blue gradient with a horizon line. The top half shows a sky with light, wispy clouds, and the bottom half shows a calm sea with gentle ripples. The overall color is a deep, vibrant blue.

Q & A