

LANIC Update

APTLD Meeting
Colombo, Sri Lanka

Contents

- Introduction to LANIC.
- ccTLD dot la Migration.

Introduction to LANIC

- LANIC establishment: In 2007 setup a group to work about ccTLD dot la.
- Till 2008 the LANIC was establish (Lao National Internet Committee).
- Construct a building center and equipment room.
- At the end of 2009 Changed Lao National Internet Committee to “LNIC” and established Lao National Internet Center “LANIC” (Now is Lao Internet Network Information Center).

National Committee Organization

1. Chairman
2. Vice Chairman, standing committee
3. Vice Chairman

4. Committee

Ministry of
Defense

National Authority
of Posts and
Telecommunication

National
science and
information

Ministry of
Public
Security

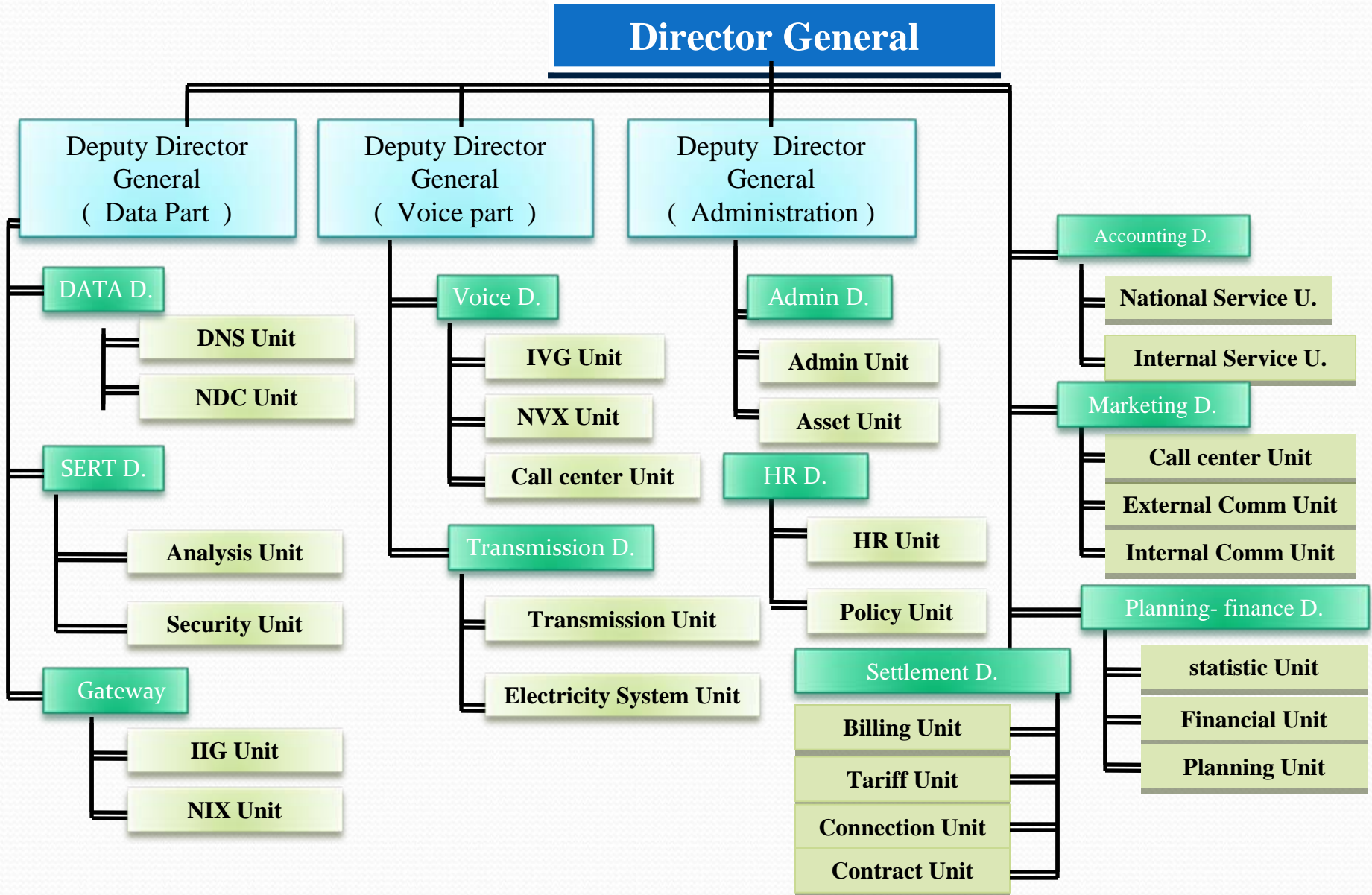
Ministry of
foreign affairs

Ministry of
information
and culture

**Lao National
Internet Center
(LANIC)**

Telecommunication
Operators

LANIC Organization Chart



ccTLD dot la Update

- Base on ISO 3166-1. In May 1996 dot “la” was delegated to Lao government.
- From 2001 Lao government permit to UK company to have full authority on marketing promotion and technical operation outside the country. Now LA registry Pte Ltd is a company who do a business about .la and CentralNIC give the registry data base of .la.

ccTLD dot la Update

Host Name

IP Address(es)

- ns1.centralnic.net. 89.151.83.36
- ns2.centralnic.net. 72.3.240.16
- ns3.centralnic.net. 62.197.40.234
- ns4.centralnic.net. 194.169.218.16
- ns5.centralnic.net. 217.151.106.82 ;
2001:ac8:2:1:0:0:0:20
- ns6.centralnic.net. 194.0.2.2;
2001:678:5:0:0:0:0:2
- ns7.centralnic.net. 193.105.170.169

ccTLD dot la Update

- Since 2008 LNIC has studied and planned to migrate ccTLD dot la to home country.
- Visit CNNIC, VNNIC and SGNIC to share experience and collect the information to move the ccTLD dot la primary server and registry data base to Lao PDR.

Working group

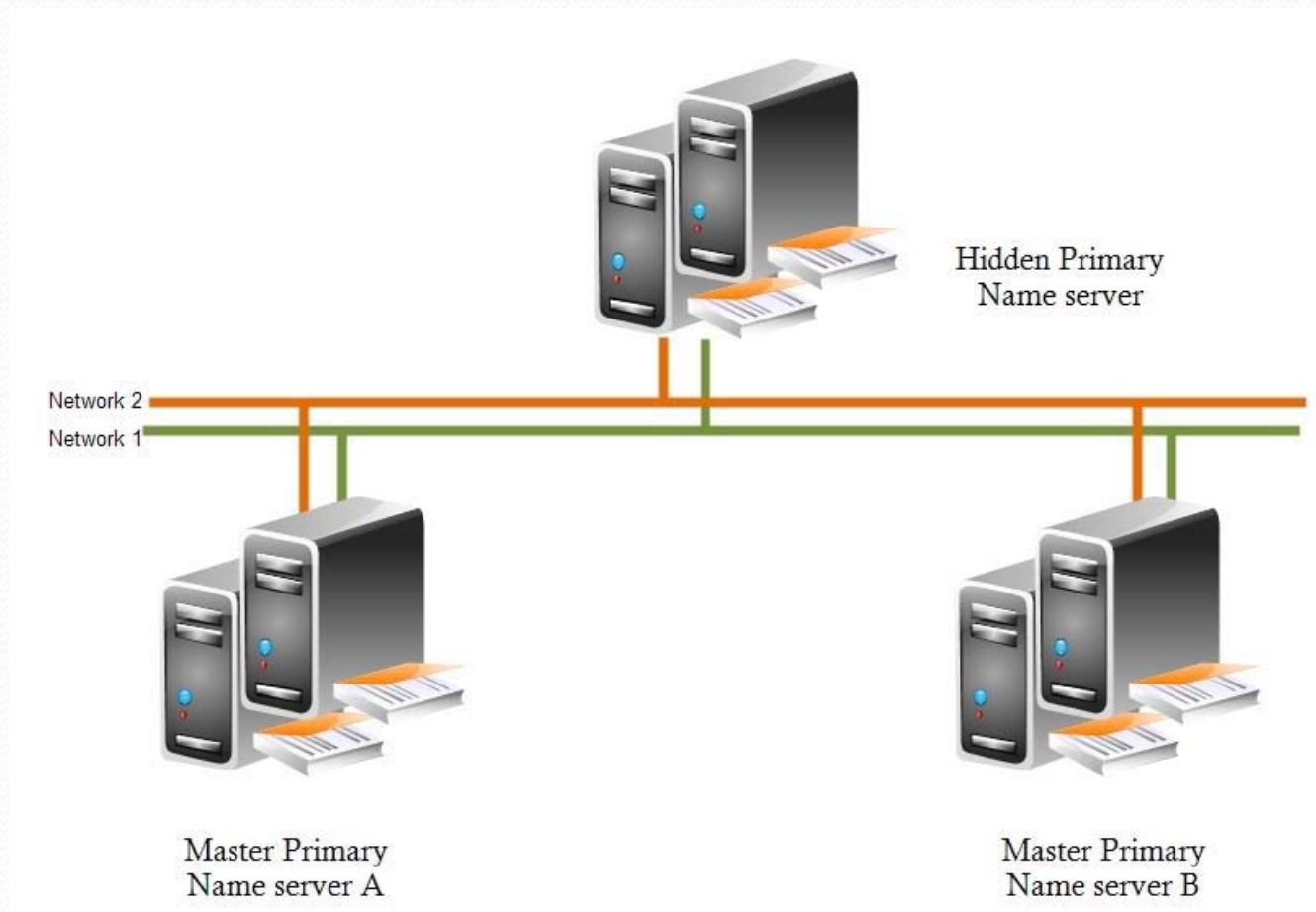
Group 1

- Set up a policy and regulation.

Group 2

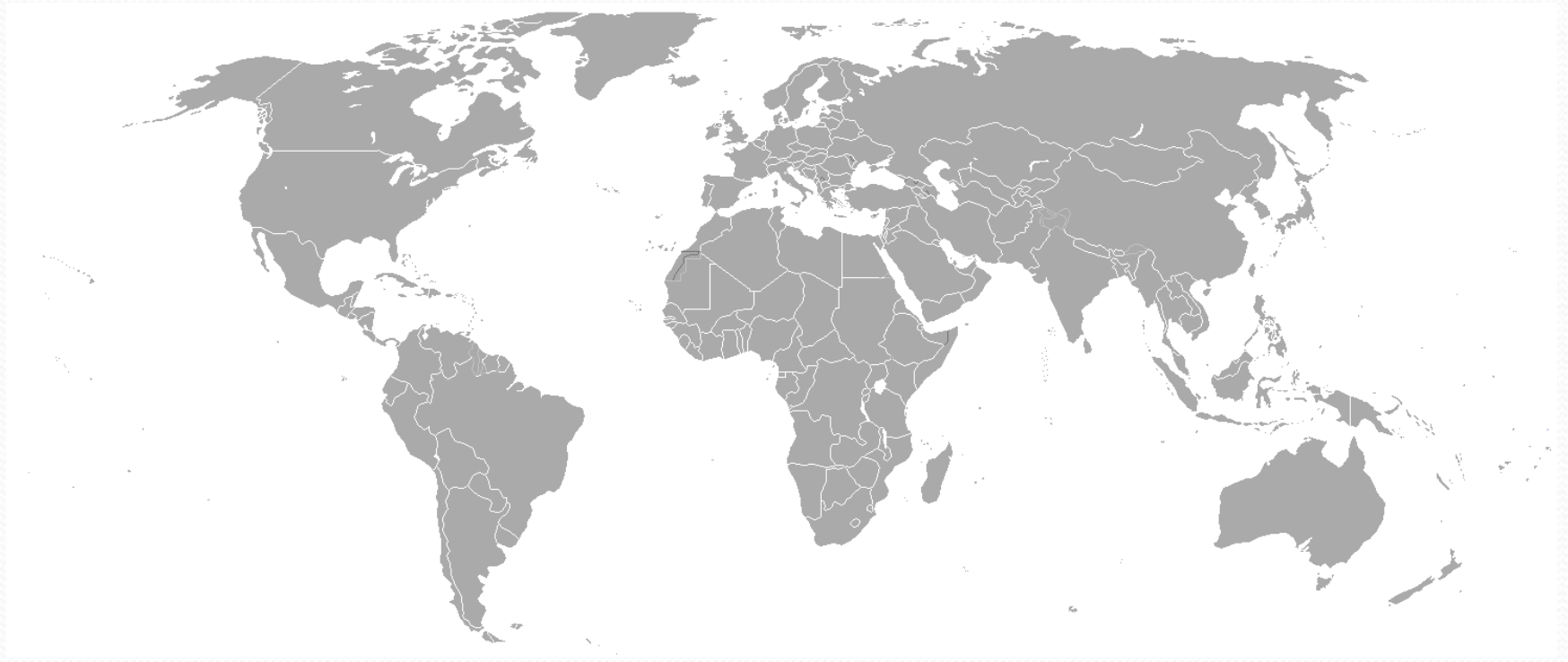
- Make a technical solution for ccTLD dot la and registry migration.

ccTLD dot la solution



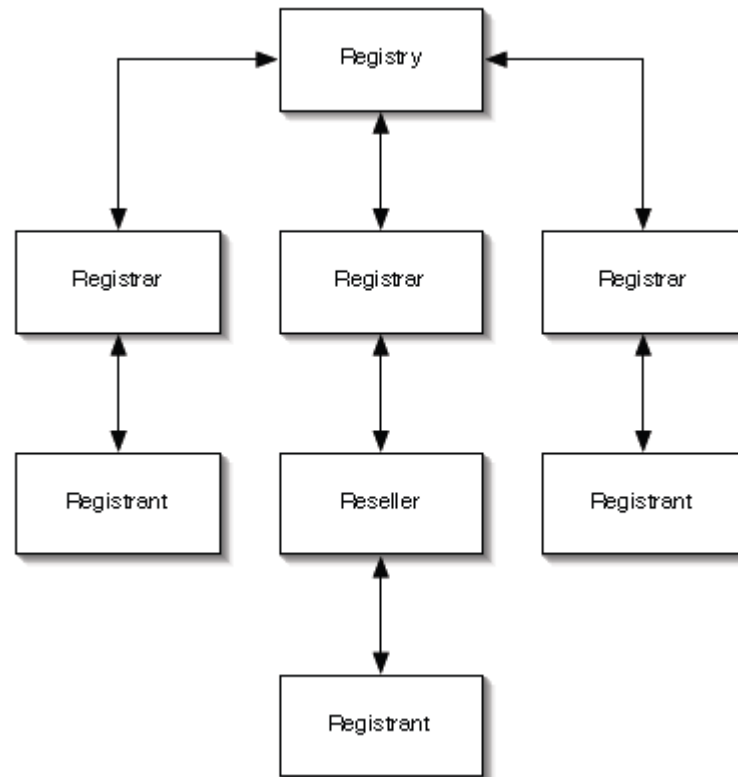
ccTLD dot la solution

- Anycast and Redandancy Planning



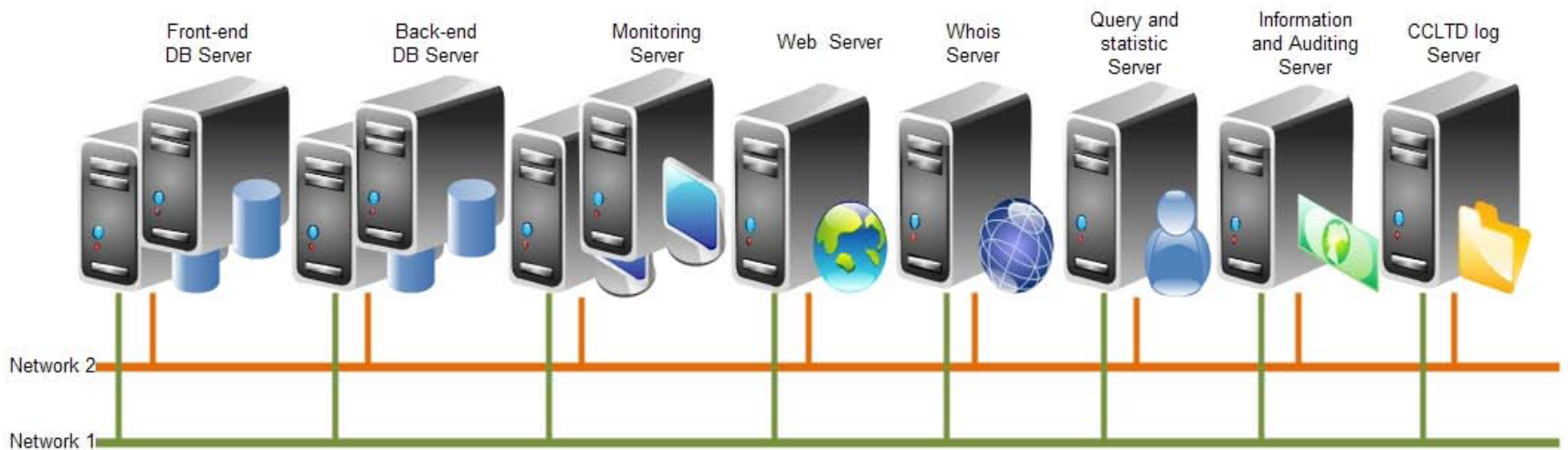
Registry dot la solution

- Chose the model of registry (SRS: Share Registry System model)



Registry dot la solution

- Setup the equipment



Registry dot la solution

- **Web Server** : acts as the online service portal , consists of Domain name registration, Domain name query, laws and regulations, process service assistance, technical Knowledge, News content column , sign-in function,... etc
- **Whois system**: Whois the domain name query sub channel provides online status query of the .La ccTLD and second-level domain name registration function
- **Front-end and Back-end DB System**: Provide the functionality of saving the registration information of the registrants .

Registry dot la solution

- **Query and stat. System** : user status query about the domain name renewal , query new registered domain name based on date, auditing and trigger ccTLD configuration System update, mail notification the Registered Users .
- **Information Auditing** :Audit the new registered domain. After the domain is audited , the domain can take effect. Send email to users about information of domain.
- **Monitor System** : Real-time Monitor of the service status or abnormal events of the LANIC servers .
- **CCTLD Log System**:Receive raw log from .la name server and keep the .la name server log
- **Backup System**

Thank you

Q&A