

.np ccTLD updates

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Overview

- Introduction
- History of .np domain
- Objectives of .np domain
- .np Domain Registration policies
- .np Domain structure
- Registration process of .np domain
- Staffing and regulatory bodies for .np domain
- Funding model (fee structure)
- Future plans

Introduction

- ❖ This presentation focus on how the NP ccTLD domains are registered and managed
- ❖ It enlist .np domain structure, policies and future plans to optimize and scaling up domain services.
- ❖ The later part of this presentation will be the overview of ICT developments in Nepal.

History of .np

Introduced	1995
Registry & sponsor & Registrar	Mercantile Communications Pvt. Ltd (www.mos.com.np)
Registration	Provided free but local presence is required
Structure	registrations are made in third level beneath various second level generic domains
Web site	www.mos.com.np / register.mos.com.np

Objectives of .np domain

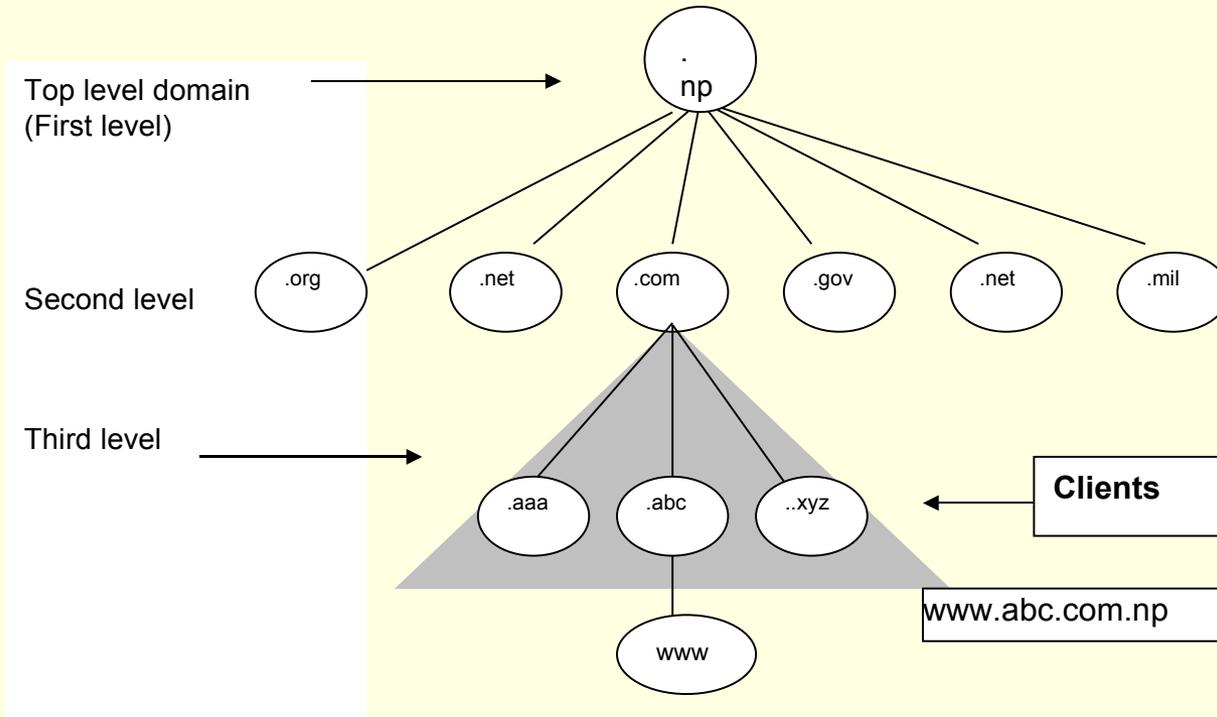
- ❖ To promote increased use of the .np domain by the Nepal Internet community
- ❖ Accountable to all members of the country online community
- ❖ Operate as a fully self funding non-profit organization and accountability to domain community.
- ❖ Administer the ccTLD to foster development of the national and global internet community
- ❖ Enhance benefits to internet users by promoting competition, fair trading and consumer adequate protection of intellectual property of .np domain

.np Domain Registration policy

- ❖ The registration of a domain name is undertaken on a First Come - First Served basis
- ❖ Any claim to trade name or copyright under .NP domain name is considered valid ONLY if it is registered with an official trade-name / copyright / patent office in Nepal.
- ❖ Personal domains can be registered with providing citizen as an identity
(http://register.mos.com.np/terms_and_conditions.asp)

.np Domain structure

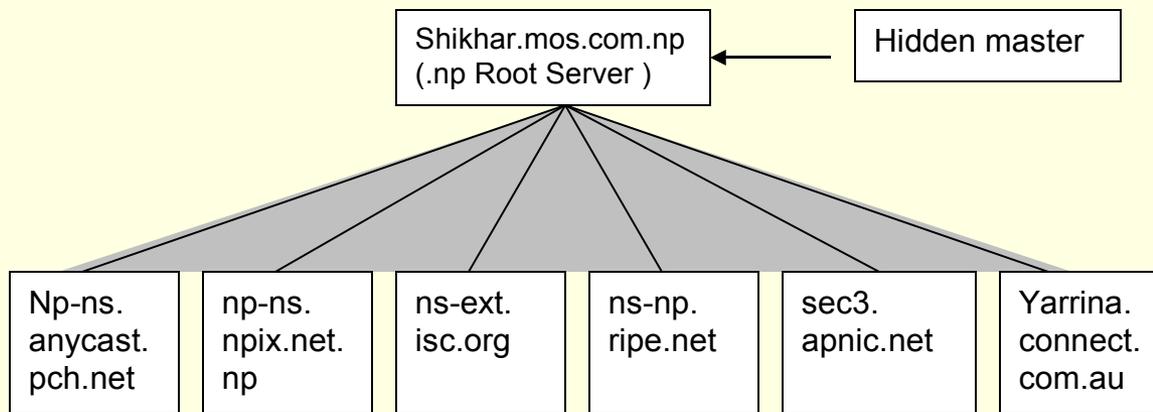
The basic structure of DNS is systematically organized in hierarchical structure that is segregated by dot.



.np Domain structure

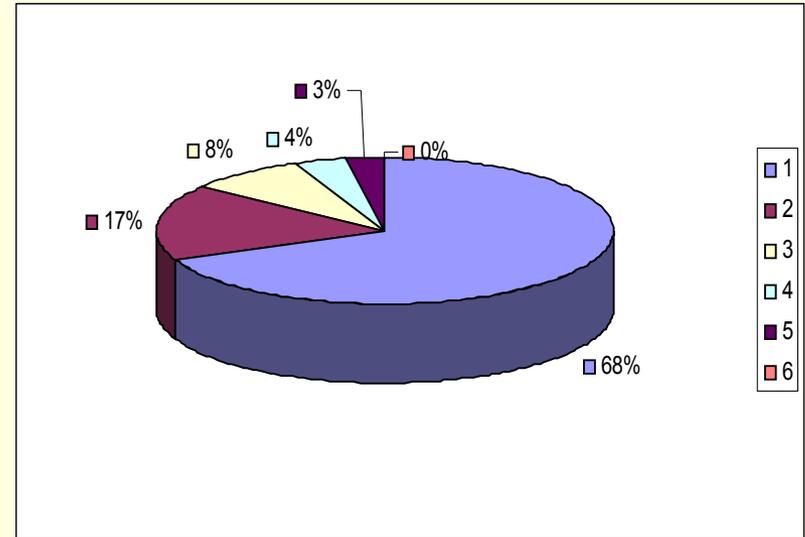
- ❖ 3rd level domain is allocated to client. Registrants (clients) can choose any domain name which has not been registered .
- ❖ To provide faster service of np domains, we have 6 slave servers including one anycast server which are hierarchical in nature and placed in different regions around the world.
- ❖ We have one hidden master server

Structure of np root servers



.np domain structure

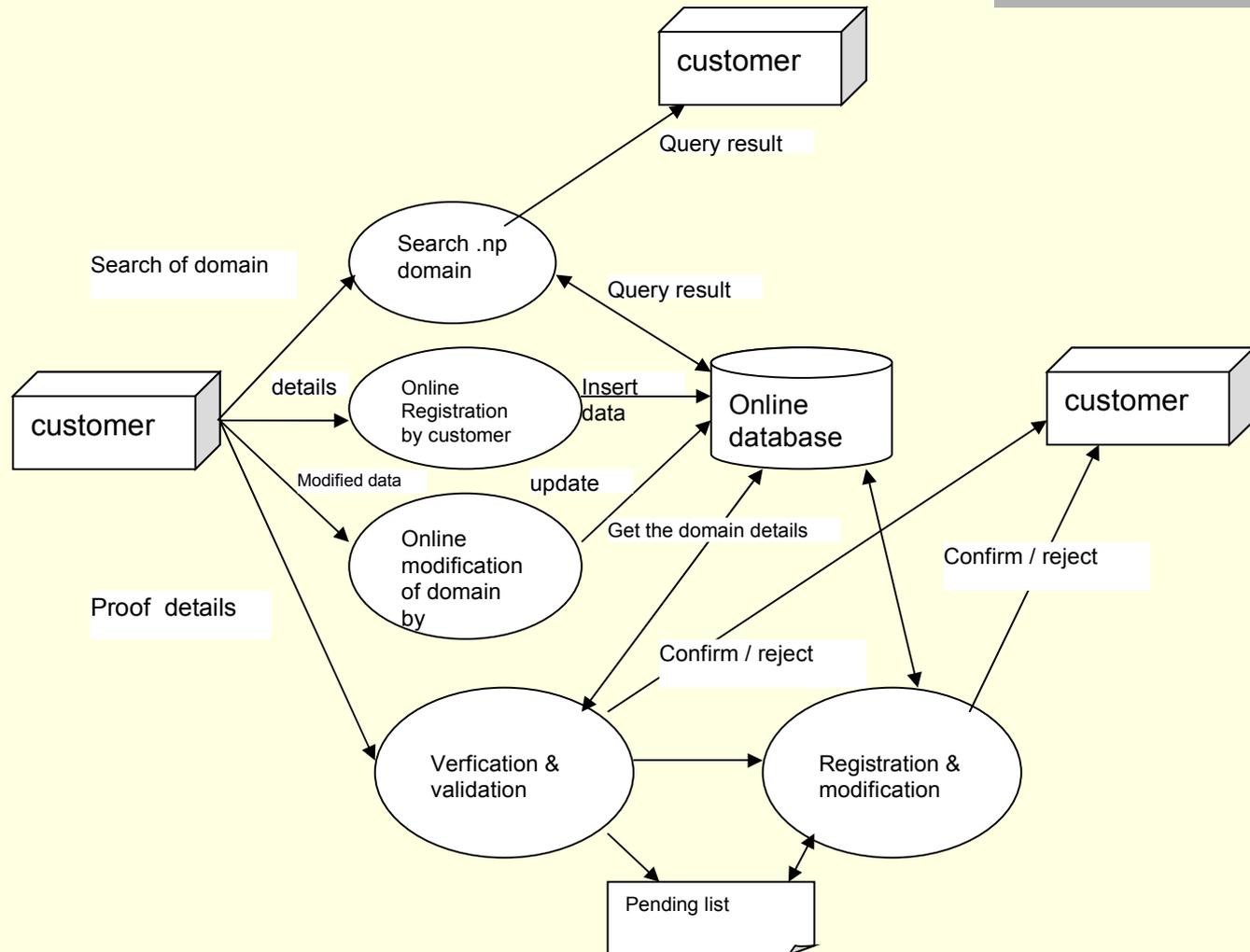
Sno	Domain category	Total domain
1.	com.np	10820
2.	org.np	2505
3.	edu.np	1312
4.	net.np	480
5.	gov.np	376
6.	mil.np	1



- 30% rise in .np domains this year
- 18% rise in .np domains last year

Total : 15494

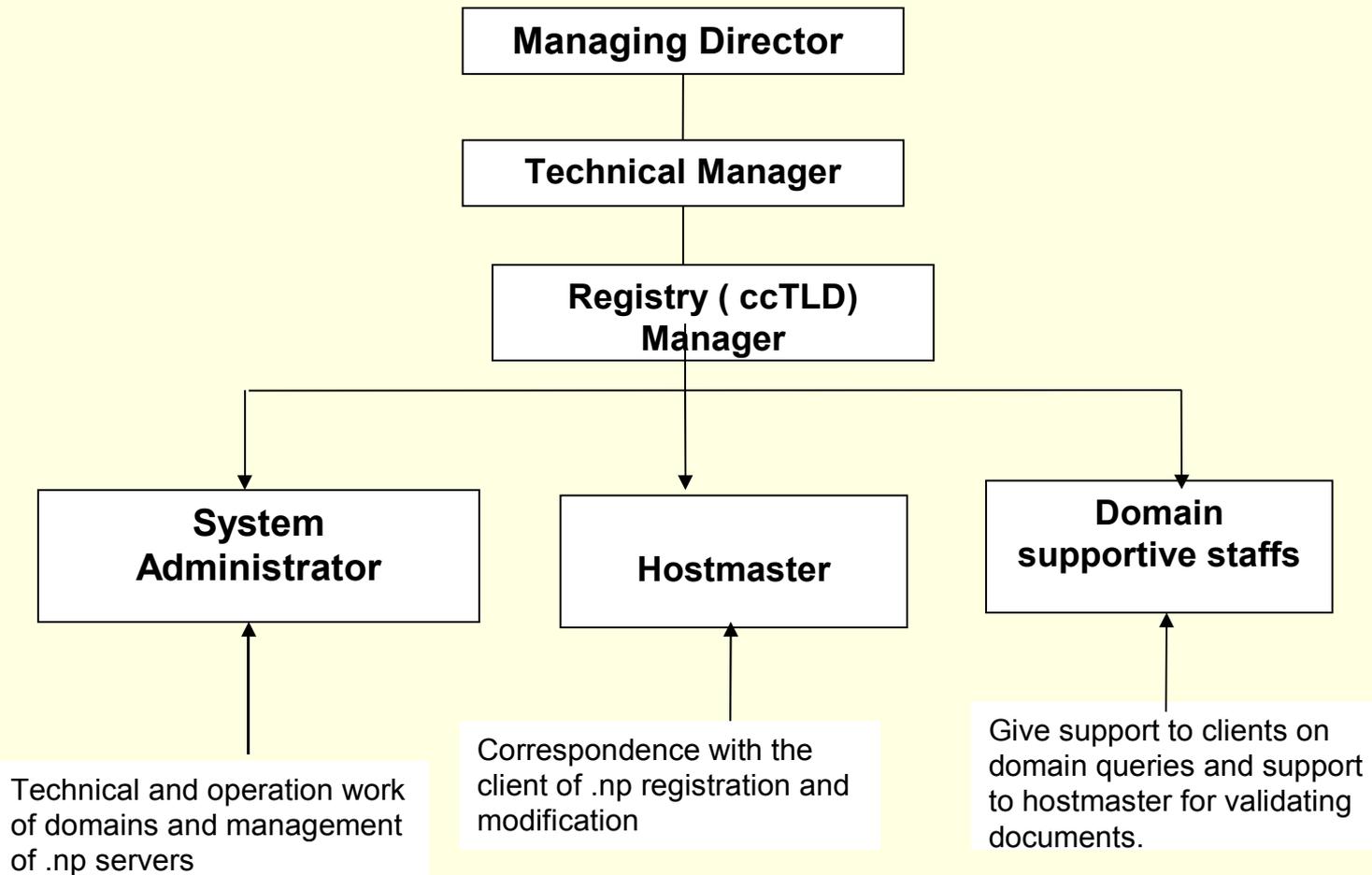
Data Flow Diagram of .np registration and modification process



Registration process of .np domain

- ❖ The client will fill the online form from www.mos.com.np/registerdomain.php
- ❖ The client has to submit the proof affidavit and reason for the domain registration.
- ❖ The domain will be registered on the first – come first service [FIFO] .
- ❖ The hostmaster will validate the client validation and verification process before sending to the .np Administrator for the domain registration.
- ❖ The .np Administrator will check the online database for registration and modification of domain names.
- ❖ After registration or modification, the client will be notified about the domain status (domain registered or rejected with reason)

Staffing and regulatory bodies for .np domain



Funding model

- ❖ .np registration is available free of cost provided local presence is required
- ❖ Mercantile providing .np registration on free to make the people more use of web technology.
- ❖ Mercantile is the premier ISP in Nepal and providing different IT solutions and services.

Participation & Representation

- Participated in APTLD meeting at Bangkok & Malaysia.
- Participated in 31st ICANN meeting at New Delhi
- Participated in SANOG events in south Asia region.
- Participated in Internet Governance discussion and training in Meissen, Germany

Future plans

- ❖ automate the registry management system with EPP registry-registrar model
- ❖ Reforming .np registration policy and looking for MOU with ICANN .
- ❖ Planning to introduce 2nd level domain by the end of this year.
- ❖ Working with PAN localization and Madan Puraskar Pustakalaya [MPP] to come up with the script for the IDN implementation.
- ❖ Planning to have one mirror of root server
- ❖ Planning to have test bed for DNSSEC before implementing in live server.

Thank you for attention!

Questions, Comments, Suggestion?

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.np Registry Services,
Mercantile Communications Pvt. Ltd.

