

---

# Introduction to TCP/IP (Network Service)

---

SOI Asia Operator Workshop 2004

---

## Network service

### ■ Names and address

- Converting IP addresses to Names
- Easier to remember
- The mechanism:
  - Host Table
  - NIS
  - DNS

- HOST Tables

/etc/hosts is the configuration file to convert IP address and hostname.

Syntax is :

IP address	Full Hostname	Hostname Alias
202.249.24.161	ws2004-rr.ai3.net	ws2004-rr

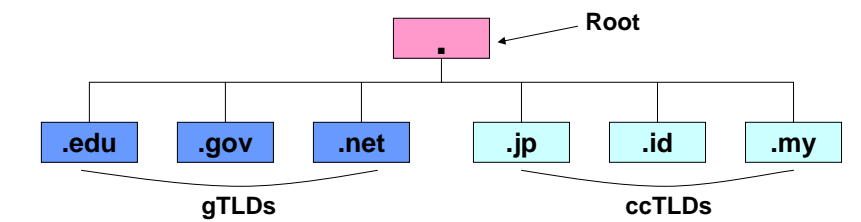
## Network Service

### ■ DNS (Domain Name System)

#### ■ Advantages:

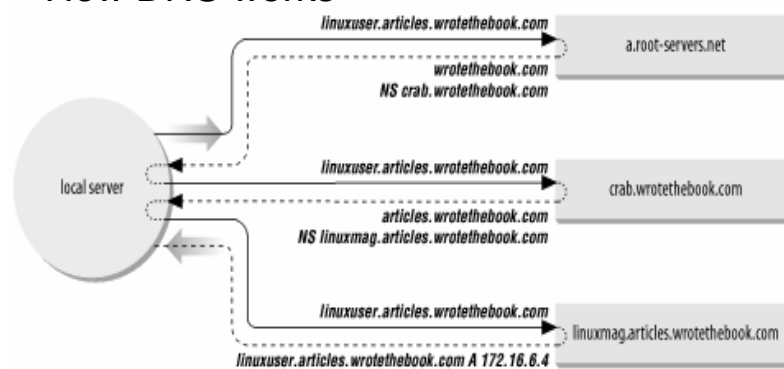
- Overcome major weaknesses of HOST Table
- Distributed System and Scalable
- Automatically Disseminated
- Hierarchical System

#### □ Domain Hierarchy



## Network Service

### ■ How DNS works



Taken from craig hunt's book without permission

# Network Service

## SMTP (Simple Mail Transfer Protocol)

