



Homework 04

Announce: 20090520

Due: 20090601



Requirements (1)

- One dedicated domain name for yourself
 - Assume you have example.csie.net
 - and assume you have IP 140.113.999.999
- Setup DNS server with following records
 - SOA
 - NS
 - MX
 - Make them reasonable
- View
 - Create view.example.csie.net A record:
 - Queries from 140.113.235.0/24:
 - view.example.csie.net A 140.113.999.999
 - Otherwise, get 127.0.0.1
- Logging
 - Record all records to /var/log/named.log
 - Do log rotate.
 - **Note: you will be asked for explaining the what does the log entry means in named.log**

Requirements (2)

- Dynamic DNS update
 - you should write a program/demo for updating `dynamic.example.csie.net`'s A record from other hosts but not NS of `example.csie.net`
- NS dedication
 - (with a partner or create another VM)
 - Assume he/she has `example2.csie.net`
 - You dedicate `example2.example.csie.net` to him/her
 - He/she dedicate `example.example2.csie.net` to you
 - Updates should be synchronized

Requirements (3)

- SPF/DomainKeys record for your server
 - Add resonable SPF/DomainKeys records
 - Choose one is OK, both are fine.
- SSHFP record for your server
 - Make a reasonable setting.