

Computer System & Network Administration

Lab12. DNS

Lab Requirement

- DNS server installation
- DNS server setup

Lab Requirement (cont.)

- Choose and install a DNS server
- Listen on port 8053
 - Use UDP, TCP is optional

Lab Requirement (cont.)

- You need to host domain
 - `dns.imslab.org`.

DNS records for “dns.imslab.org.”

Record name	Type	Value
a	A	127.0.1.1
aaaa	AAAA	2001:4860:4860::8888
cname	CNAME	a.dns.imslab.org.
mail	MX	smtp1.dns.imslab.org. (10)
mail	MX	smtp2.dns.imslab.org. (20)
smtp1	A	127.0.2.1
smtp2	A	127.0.2.2
<STUDENT_ID>	A	<YOUR_VM_PRIVATE_IP>
foo	TXT	bar

Lab Requirement (cont.)

- Although your DNS server don't have DNS record for "www.google.com"
Your DNS server should be able to know how to find its record
 - How?
- Choose any public DNS server you like, as long as it works

Deadline & Other information

- Deadline: 5/26 (Wed.) 23:55

Judge Timetable

- 5/21 22:00
- 5/22 22:00
- 5/23 22:00
- 5/24 14:00
- 5/24 22:00
- 5/25 14:00
- 5/25 22:00
- 5/26 14:00
- 5/26 22:00
- 5/26 23:55