

廈門大學



信息学院软件工程系

《计算机网络》实验报告

题 目 实验七 应用层协议服务配置
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实验时间 2020 年 5 月 6 日

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1 实验目的

配置以下服务：

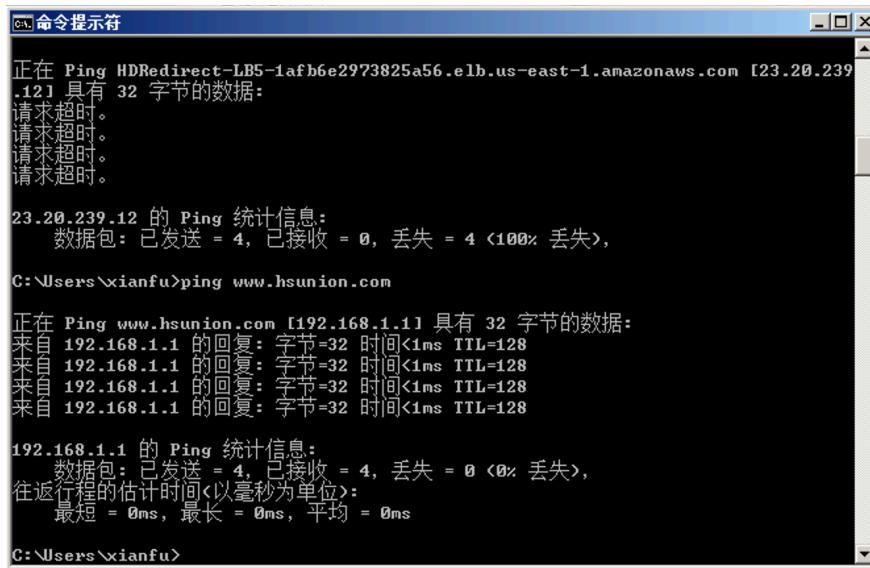
操作系统	服务
Windows Server	DNS
	HTTP
	HTTPS
	FTP
	SMTP, POP3, IMAP
Linux Server	SSH
	HTTP
	SMB

2 实验环境

Win10

3 实验结果

DNS 服务器配置



```
正在 Ping HDRedirect-LB5-1afb6e2973825a56.elb.us-east-1.amazonaws.com [23.20.239.12] 具有 32 字节的数据:
请求超时。
请求超时。
请求超时。
请求超时。

23.20.239.12 的 Ping 统计信息:
数据包: 已发送 = 4, 已接收 = 0, 丢失 = 4 <100% 丢失>,
```

```
C:\>ping www.hsunion.com

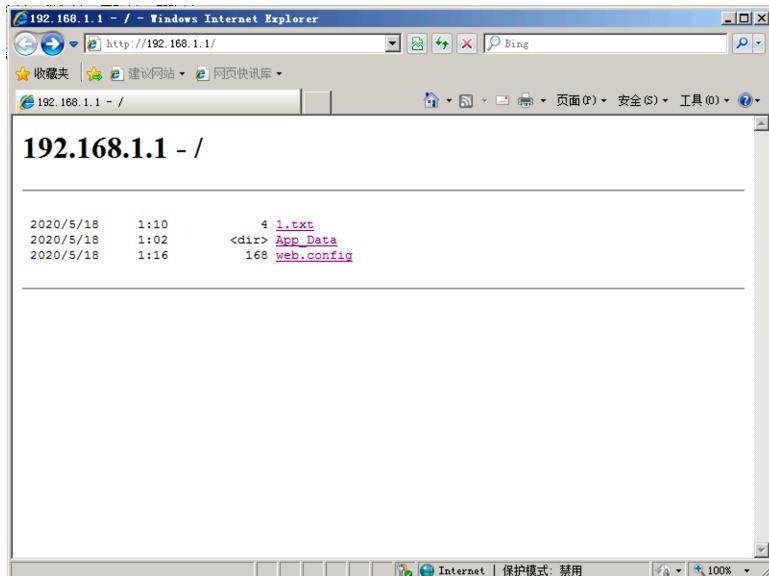
正在 Ping www.hsunion.com [192.168.1.1] 具有 32 字节的数据:
来自 192.168.1.1 的回复: 字节=32 时间<1ms TTL=128

192.168.1.1 的 Ping 统计信息:
数据包: 已发送 = 4, 已接收 = 4, 丢失 = 0 <0% 丢失>,
往返行程的估计时间<以毫秒为单位>:
最短 = 0ms, 最长 = 0ms, 平均 = 0ms
```

```
C:\>
```

Web 服务器

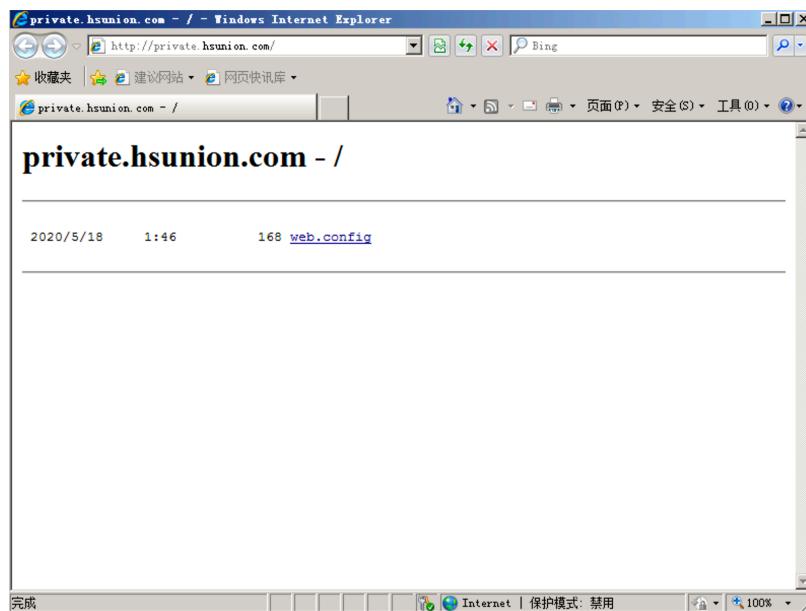
借用 sambar server 担任 http 服务端

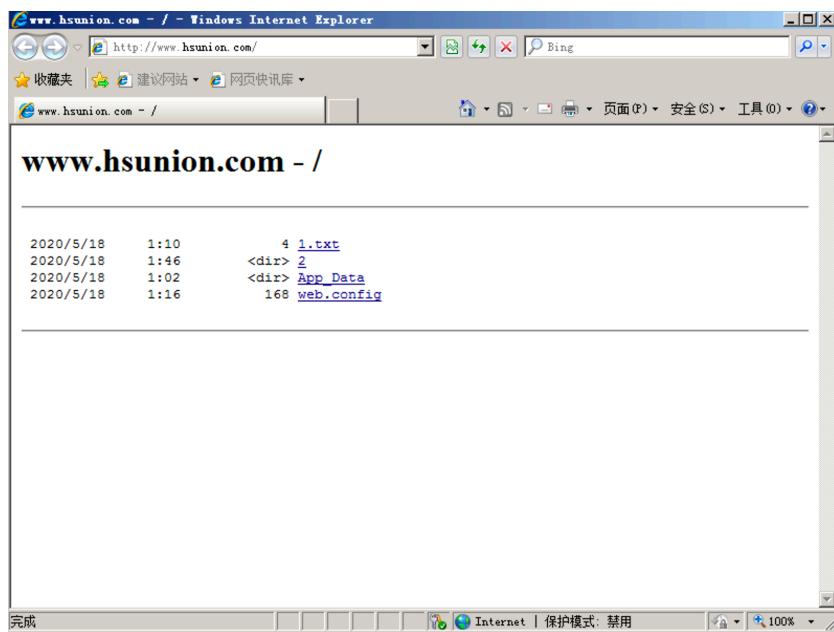




虚拟主机技术

设置两相同 ip 相同端口号但主网不同的网站





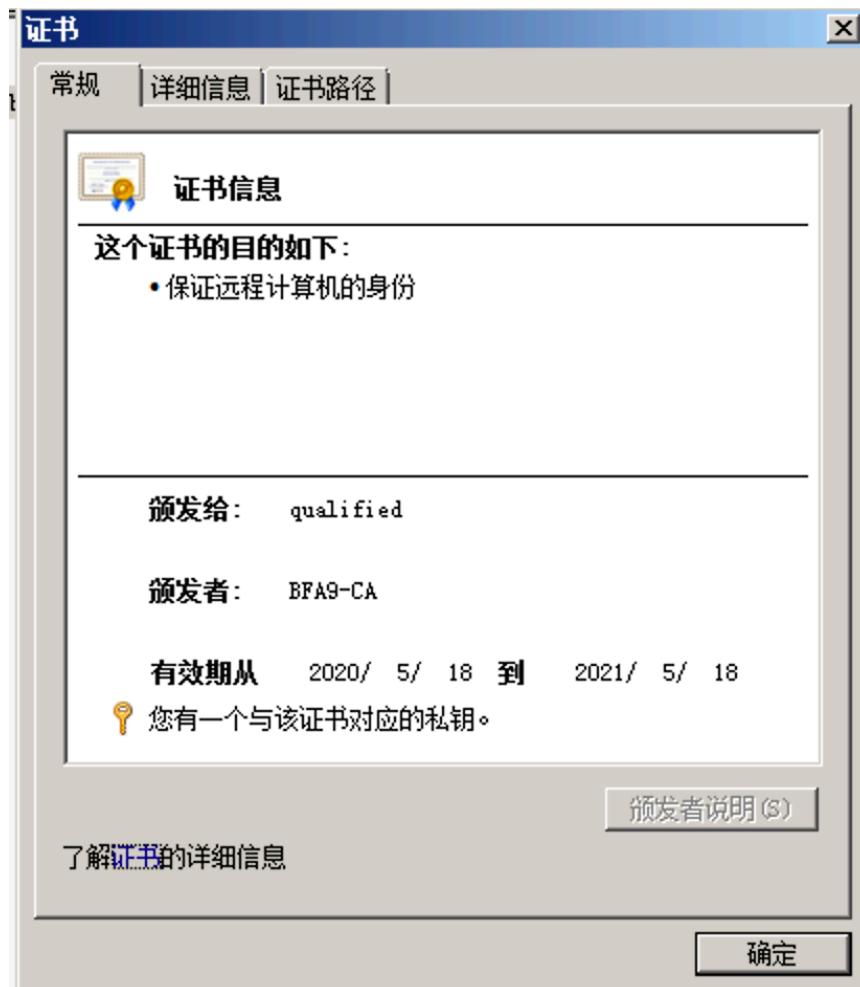
BBS 服务器

导入 DVBBS，安装后

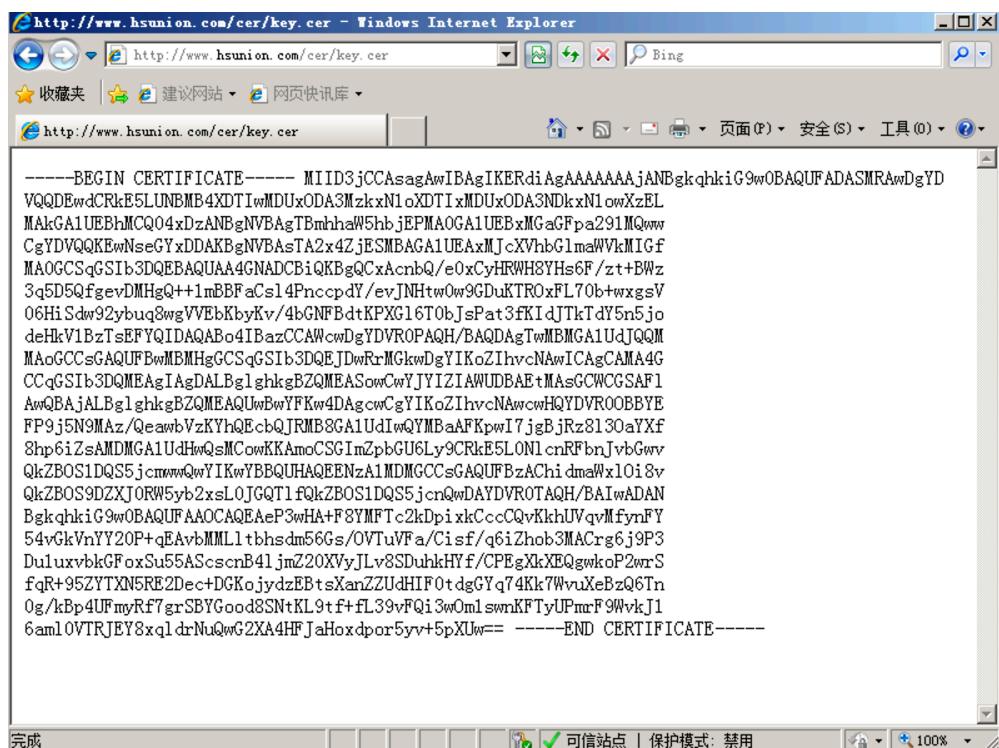


安全站点

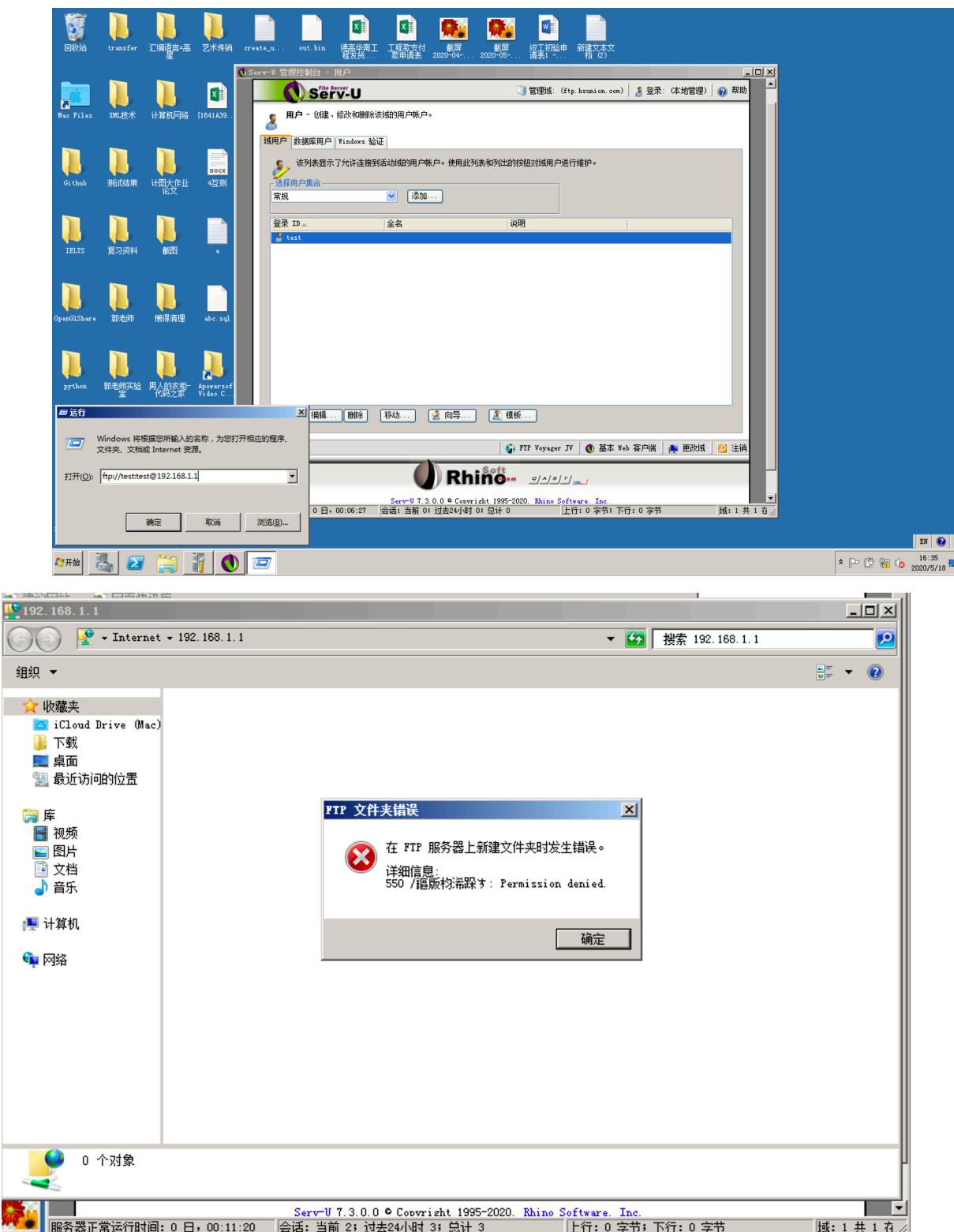
创建并导出安全证书



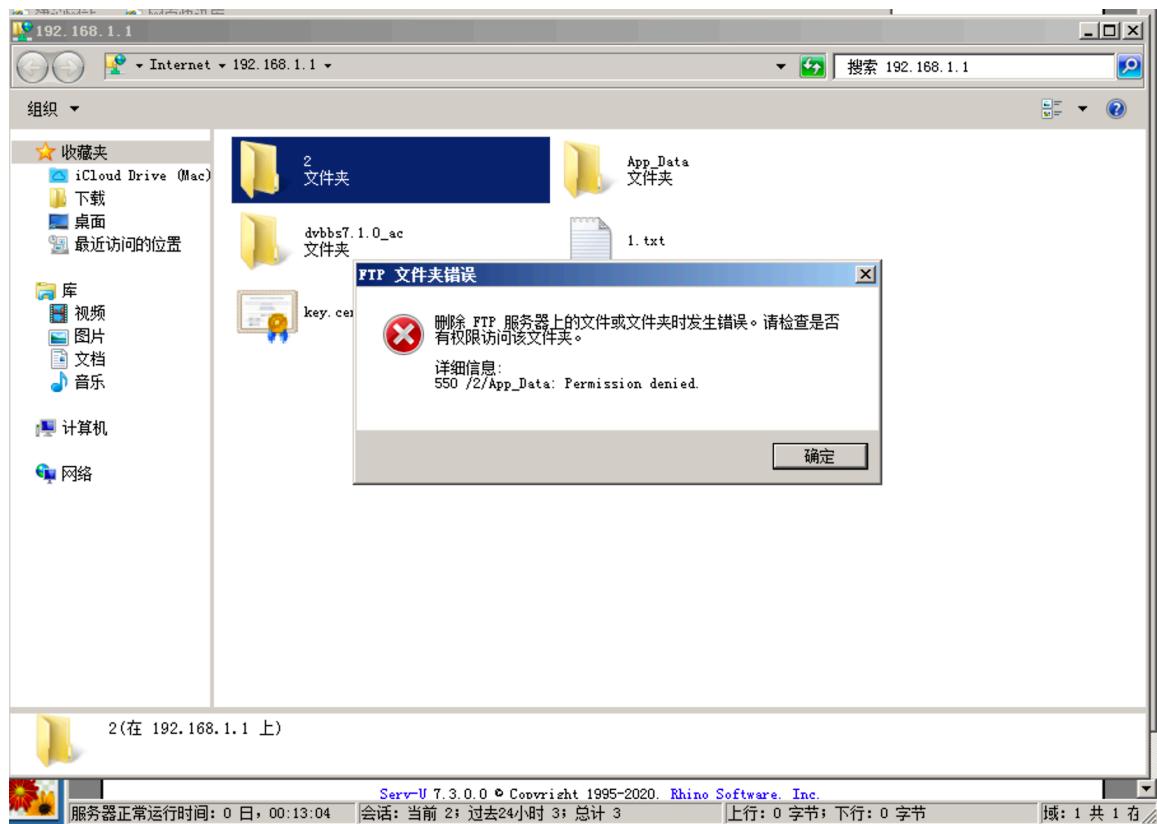
证书服务器



FTP 服务器



无法新建文件夹

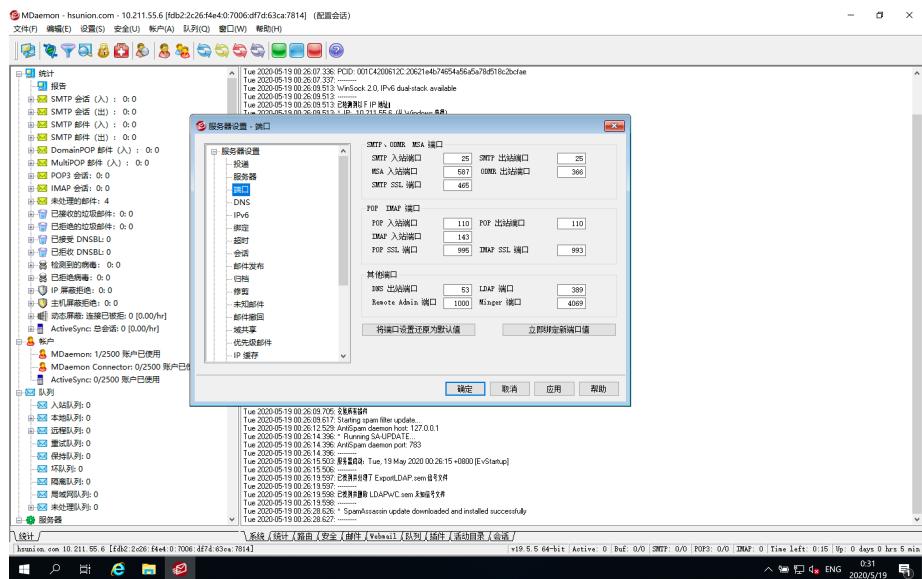


无法删除文件

SMTP 和 POP 服务器

下载 MDaemon 并配置，创建域名和账号

《计算机网络》实验报告



发送邮件后，在邮件服务器查看结果

```
Fri 2020-05-08 01:49:16.871: -> ifmd OK NOOP completed
Fri 2020-05-08 01:49:16.873: <- smmkl IDLE
Fri 2020-05-08 01:49:16.873: -> + idling
Fri 2020-05-08 01:49:17.361: -> smmkl OK IDLE terminated
Fri 2020-05-08 01:49:17.362: <- 9947 LIST "" "INBOX"
Fri 2020-05-08 01:49:17.363: Sending LIST response (not logged)...
Fri 2020-05-08 01:49:17.363: -> 9947 OK LIST completed
Fri 2020-05-08 01:49:17.365: <- j71 LSUB ...
Fri 2020-05-08 01:49:17.365: Sending LSUB response (not logged)...
Fri 2020-05-08 01:49:17.365: -> j71 OK LSUB completed
Fri 2020-05-08 01:49:17.367: <- i2zc IDLE
Fri 2020-05-08 01:49:17.367: -> + idling
Fri 2020-05-08 01:50:05.809: -> i2zc OK IDLE terminated
Fri 2020-05-08 01:50:05.809: <- ulez LOGOUT
Fri 2020-05-08 01:50:05.809: -> * BYE IMAP engine signing off (no errors)
Fri 2020-05-08 01:50:05.809: -> ulez OK LOGOUT completed
Fri 2020-05-08 01:50:05.811: IMAP session complete, (Bytes in/out: 376/1751)
Fri 2020-05-08 01:50:05.812: .....
Fri 2020-05-08 01:49:15.937: Session 000026; child 0002
Fri 2020-05-08 01:49:15.937: Accepting IMAP connection from 192.168.31.50:64761 to 192.168.31.50:143
Fri 2020-05-08 01:49:16.006: -> * OK mail.company.test IMAP4rev1 ready
Fri 2020-05-08 01:49:16.006: <- 2ojs CAPABILITY
Fri 2020-05-08 01:49:16.006: -> * CAPABILITY IMAP4rev1 NAMESPACE AUTH=LOGIN AUTH=PLAIN IDLE STARTTLS COMPRESS=DEFLATE ACL UNS
Fri 2020-05-08 01:49:16.006: <- 2ojs OK CAPABILITY completed
Fri 2020-05-08 01:49:16.008: <- pgv1 LOGIN "ppddd@pan.com" .....
Fri 2020-05-08 01:49:16.008: Authenticated as ppddd@pan.com
Fri 2020-05-08 01:49:16.116: -> pgv1 OK LOGIN completed
Fri 2020-05-08 01:49:16.117: <- scvs IDLE
Fri 2020-05-08 01:49:16.117: -> + idling
Fri 2020-05-08 01:49:16.117: <- z4nk LSUB ...
Fri 2020-05-08 01:49:16.117: -> z4nk OK LSUB completed
Fri 2020-05-08 01:49:17.136: <- rv6v IDLE
Fri 2020-05-08 01:49:17.136: -> + idling
Fri 2020-05-08 01:50:05.828: -> rv6v OK IDLE terminated
Fri 2020-05-08 01:50:05.828: <- jhoh LOGOUT
Fri 2020-05-08 01:50:05.828: -> * BYE IMAP engine signing off (no errors)
Fri 2020-05-08 01:50:05.829: -> jhoh OK LOGOUT completed
Fri 2020-05-08 01:50:05.834: IMAP session complete, (Bytes in/out: 126/492)
Fri 2020-05-08 01:50:05.834: .....

```

用 web 方式管理 MDaemon



4 实验总结

虽然花了很多一部分的时间在配置环境以及各种软件上，经过这次实验，我对应用层协议有了更深的了解，掌握了很多各种各样的服务器的使用方法。