

18_Messaging

Note Title

5/29/2008

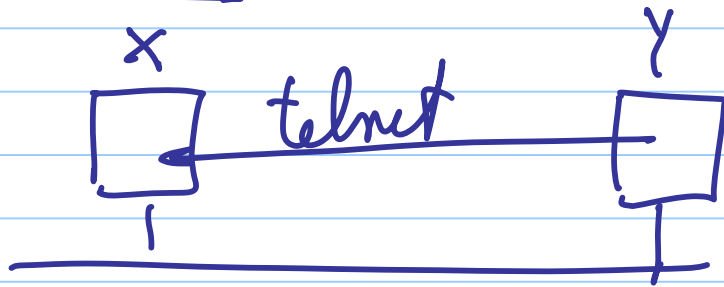
① Quiz

② Lecture

③ Evaluations

better gmail 2

Collaboration (in the good old days)



mkfifo x
cat y &
cat -> x
=

mkfifo y
cat x &
cat -> y
=

IRC

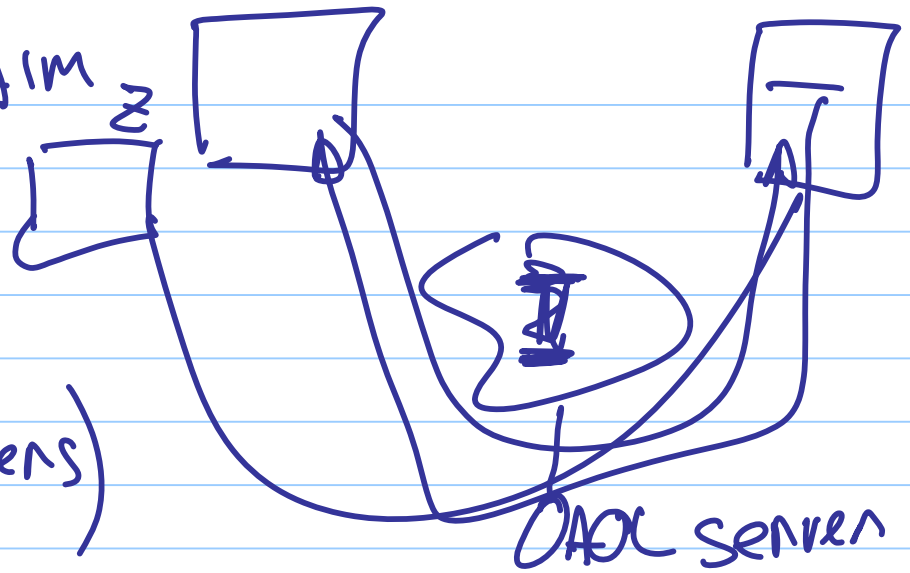
modern

yahoo
msn
jabber

(ICQ → numbers)

ichat

AIM



x buddies y

service

google talk — aim
— jabber

facebook

msn

yahoo!

clients

trillian

digby

Adium

pidgin

(was GAIM)

im clients

simple text chat
file transfer

voice chat

video chat

game

chat
engine

ex msn
yahoo

BBS mucks

MUDS

MSN

video (skype Pro) ~~(\$995)~~

✓ skype proprietary (popular) hum

✓ gizmo open SIP ✓ (therefore good)

⋮ google talk } voice
⋮ ventrilo } (u,u)
⋮ frompeak }

ichat video → AOL

Other

<http://www.webex.com/index.html>

WebEx (via web server + Java Flash)

VNC/Remote Desktop

GoTo Meeting <http://www.gotomeeting.com>

Access Grid <http://www.accessgrid.org/>

(Conference XP + UW CS) + MSFT

Net Meeting MS Win XP

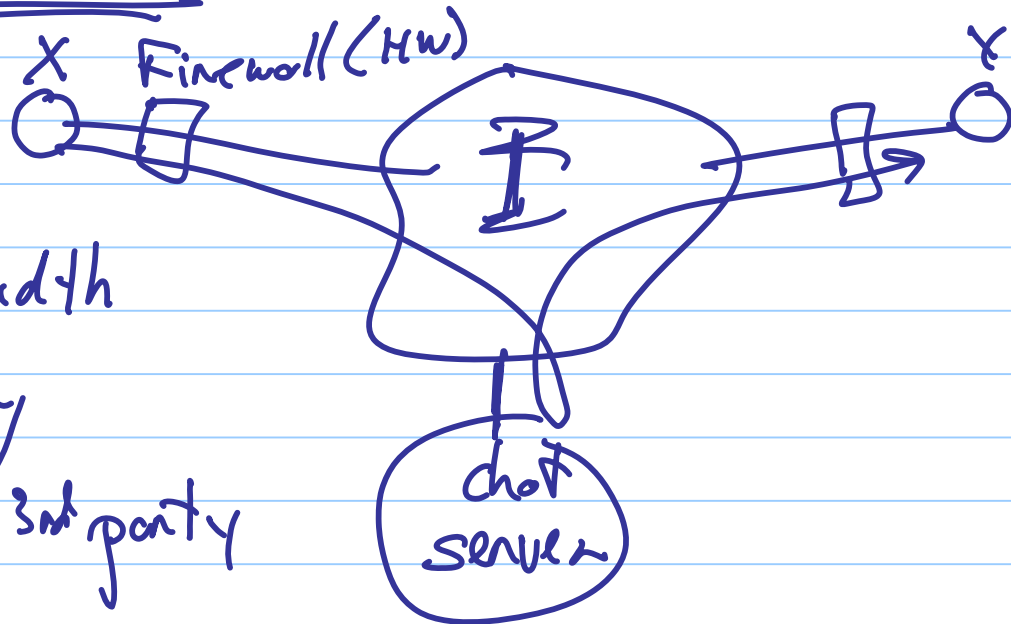
White Board sharing



- voice
video (standard)

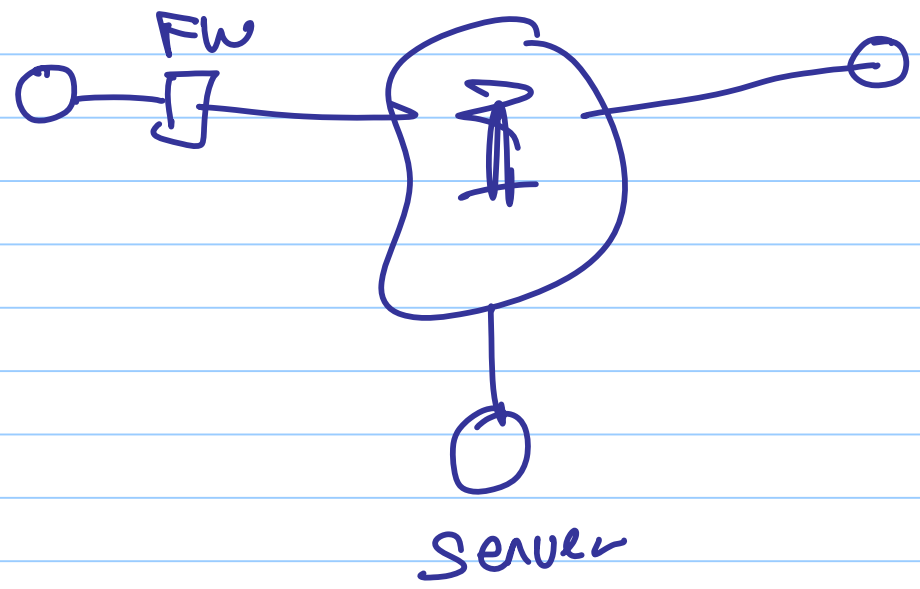
STD with MSN Messenger

Firewall ~~X~~ ~~||~~ ~~X~~ G?



- ① bandwidth
- ② latency
- ③ skip 3rd party

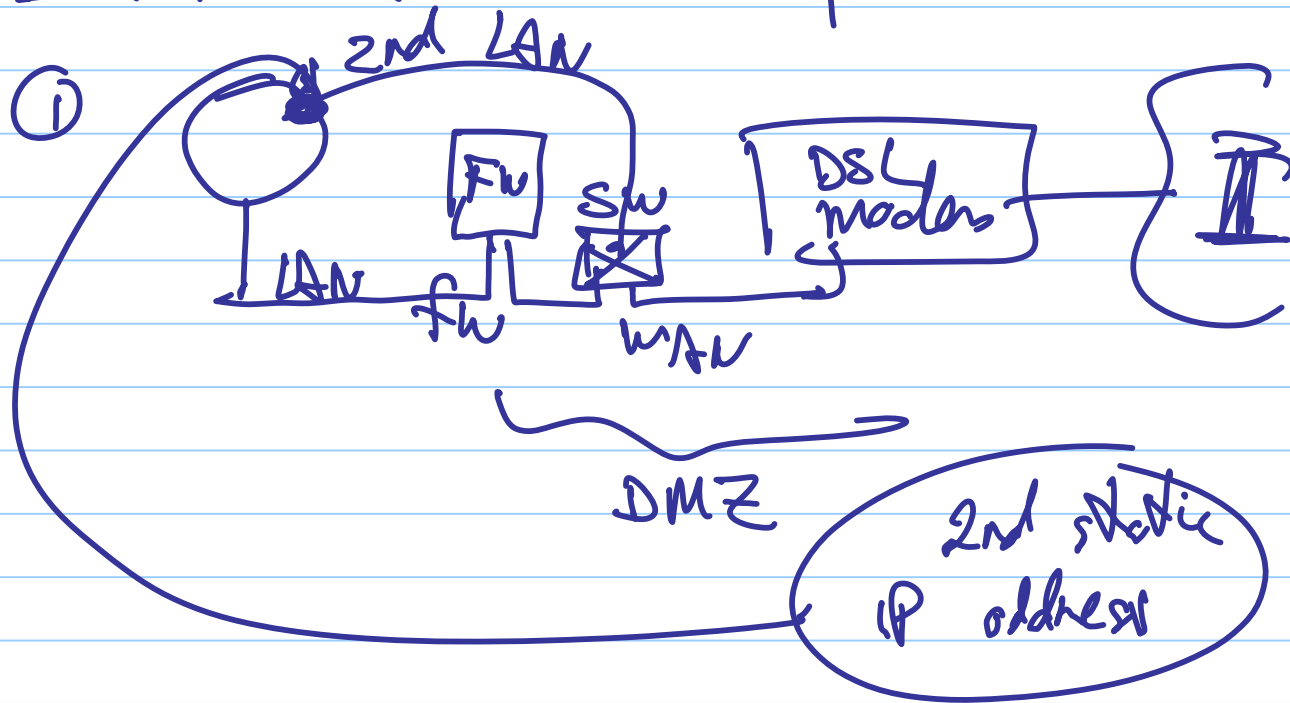
Skype (audio, video, file)



Skype (firewalls) 2nd node relay



Solution to the FW problem (bypass it)



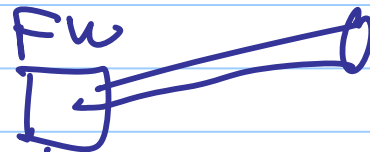
Solution

② Port forwarding on router

192.168.2.66



Fw



"holes"
for port



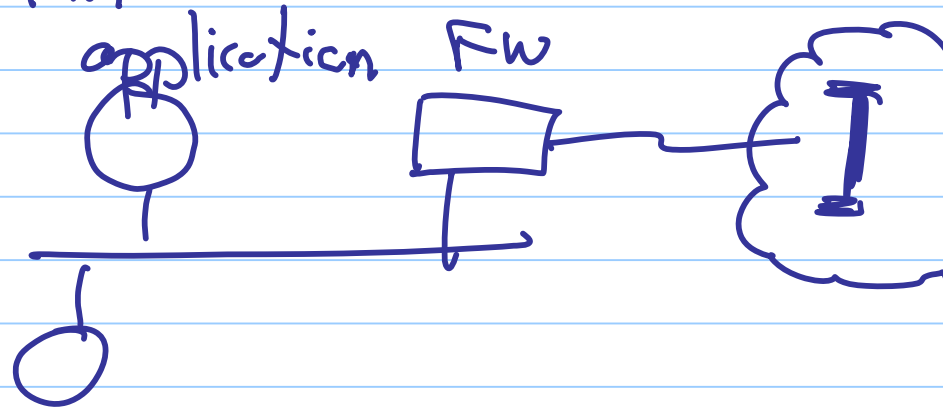
(portforward.com tips)

<http://portforward.com>

Solution

③ UPnP

protocol lets apps
control FW port
forwarding



Azureus (BitTorrent) uses UPnP