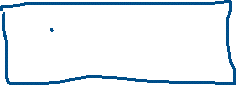
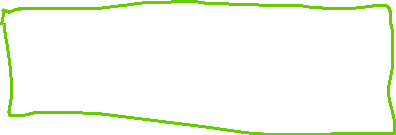
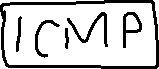
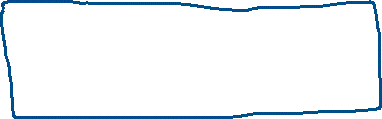
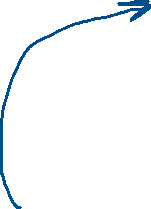
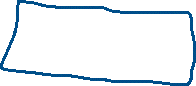
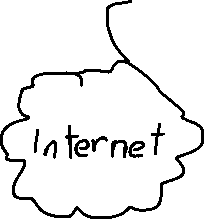
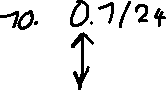
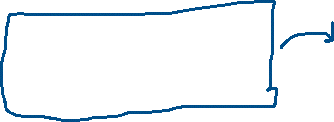
NAT

0.0.0.0 – 255.255.255.255

10.0.0.0/8

127.16.0.0/12

192.168.0.0/16



Client generiert ein http-Packet

Auf den Transport layer

TCP –> hat ports

Well known port

Source ein beliebiger port

Nat = Netwotk Address Translation

http antwort generieren

ports werden umbedrecht

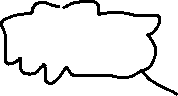
antwort kommt zum router 🡪 er muss die dst/port ändern

speicher sich das in eine Tabelle

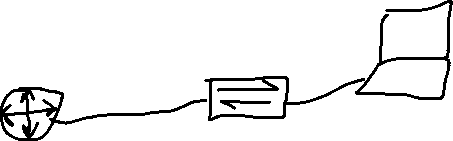
PAT = Port Address Translation

Funktioniert mit TCP und SCP

Destination nat : Wenn ein packet aus dem internet kommt und nen bestimmten destination port hat, dann tausche die dst addresse durch die interne meines resbarrypie aus



172.18.32.1



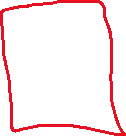
172.18.32.152



193.170.206.242

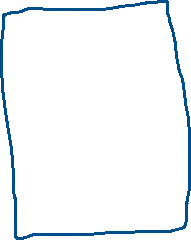


HTTPS



S: 5941

D: 443

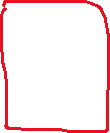


S:172.18.32.152

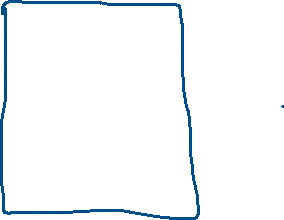
D:34.117.237.239

|  |  |  |  |
| --- | --- | --- | --- |
| Orig.Src-IP | Dest.-IP | Src-Port | Dst-Port |
| 172.18.32.152 | 34.117.237.239 | 59410 | 443 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

HTTPS



S:443



D:59410

S:34.117.237.239

D:192.170.206.242