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Basic

1. Tell me how to run your program

sudo ./hw4 10.0.2.15 or

sudo ./hw4 140.120.13.1

1. Please describe the details about your program

使用socket(PF\_INET,SOCK\_RAW,1)，建立連線

設定server\_addr.sin\_addr.s\_addr = inet\_addr(target);

為目標server的ip addr

設定icmp的type=13,cksum=0,id=123,otime=gettime();

計算cksum放到cksum裡

sendto server

接收跟自己送出去的icmp一樣id且type=14的回傳封包

取出

T1=otime

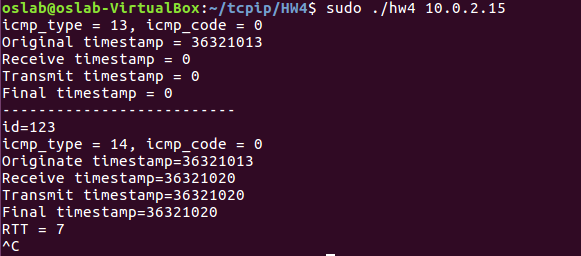
T2=rtime

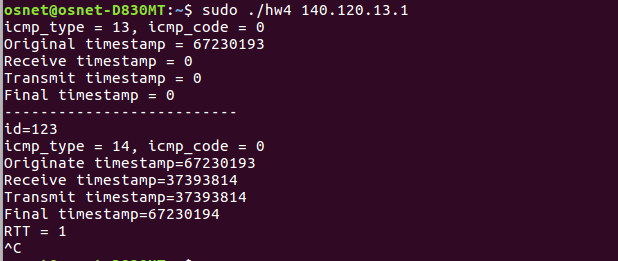
T3=ttime

T4=目前的gettime

RTT=(T4-T3)+(T2-T1)

1. Show the execution result (snapshot)





Advanced

1. Tell me how to run your program
2. Please describe the details about your program
3. Show the execution result (snapshot)