

*Welcome to Wireshark MeetUp #3*

*27-2-2024*

*Sshdump & Ciscodump*

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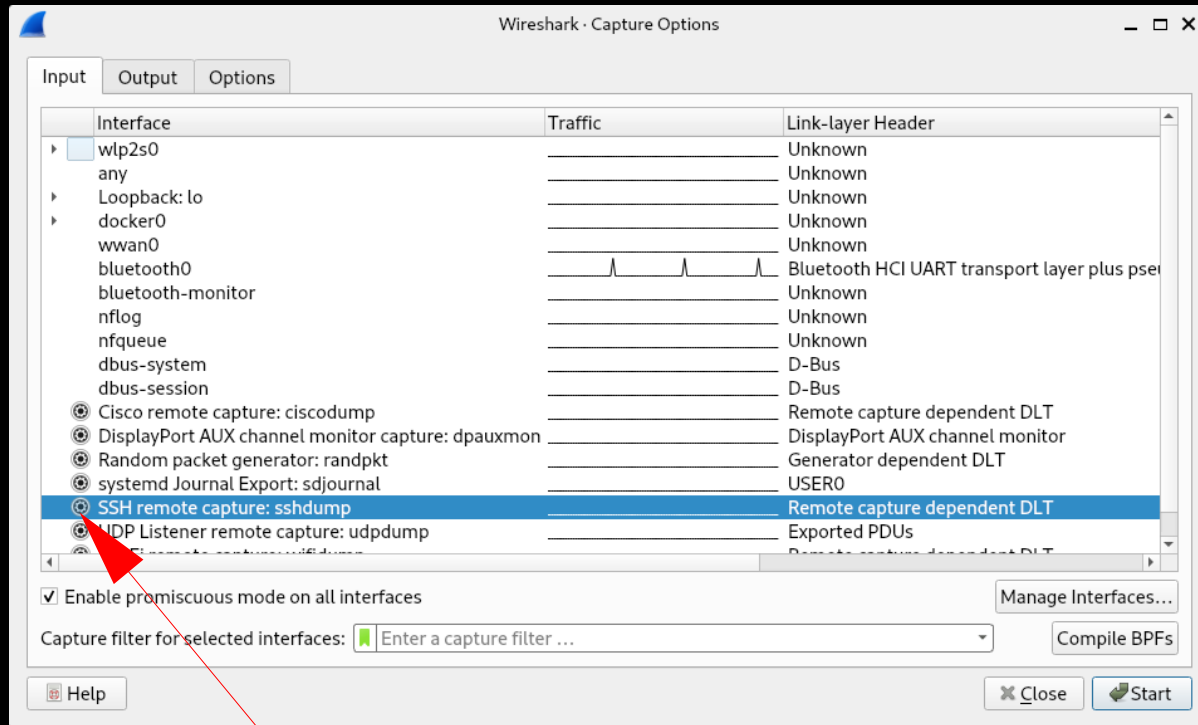
# *Sshdump*

*User needs sudo rights!*

*The following command gives the user sudo right to sudo without enter a password:*

```
echo "$USER ALL=(ALL:ALL) NOPASSWD: ALL" | sudo tee  
/etc/sudoers.d/$USER
```

***Use at your own risk!!!!***



**Click on**

Wireshark · Interface Options: SSH remote capture: sshdump

Server Authentication Capture Debug

Remote SSH server address 10.1.1.2

Remote SSH server port 22

☒ Save parameter(s) on capture start

Help Restore Defaults Close Save

*Enter IP address*

Wireshark · Interface Options: SSH remote capture: sshdump

Server Authentication Capture Debug

Remote SSH server username

Remote SSH server password

Path to SSH private key ... Clear

SSH key passphrase

ProxyCommand

☒ Save parameter(s) on capture start

Help Restore Defaults Close Save

*Enter Credentials*

Wireshark · Interface Options: SSH remote capture: sshdump

Server Authentication Capture Debug

Remote interface enp1s0

☐ dumpcap

Remote capture command selection ☒ tcpdump

Remote capture command

☐ Use sudo on the remote machine

☐ No promiscuous mode

Remote capture filter tcp port 80

Packets to capture 100

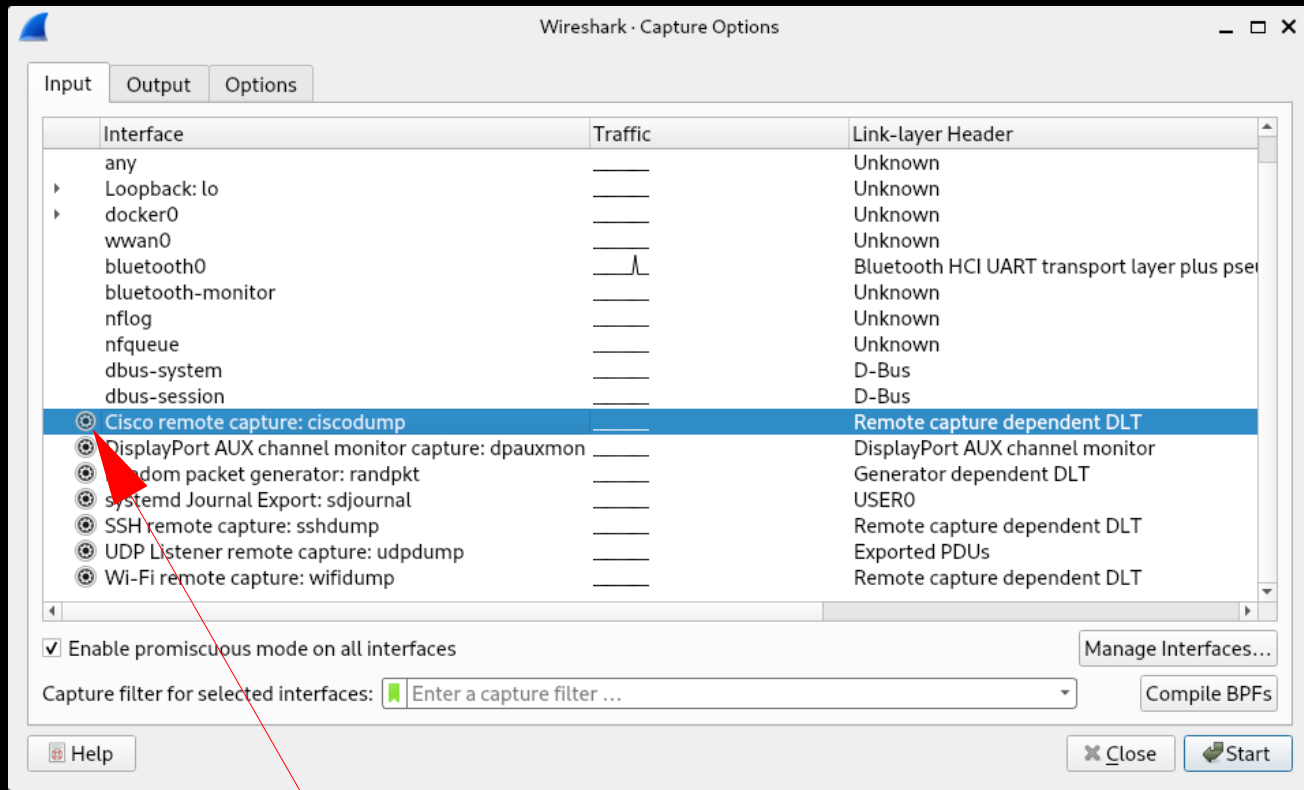
☒ Save parameter(s) on capture start

Help Restore Defaults Close Save

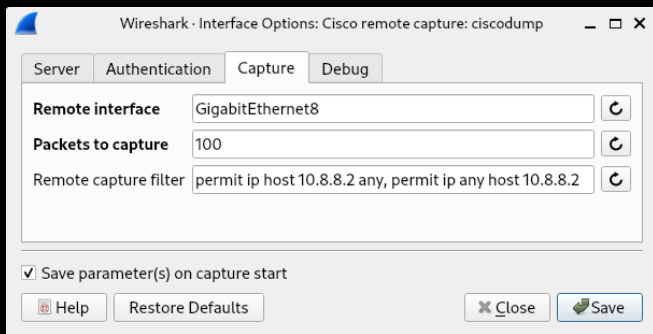
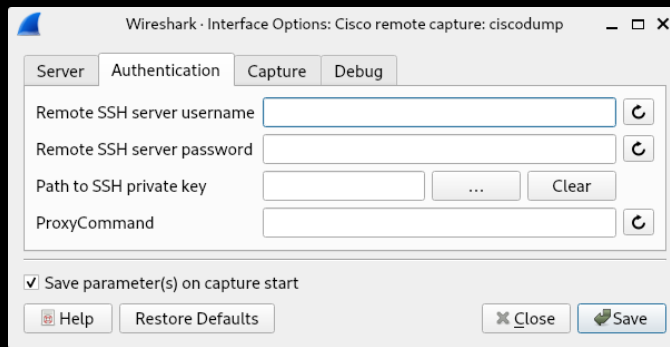
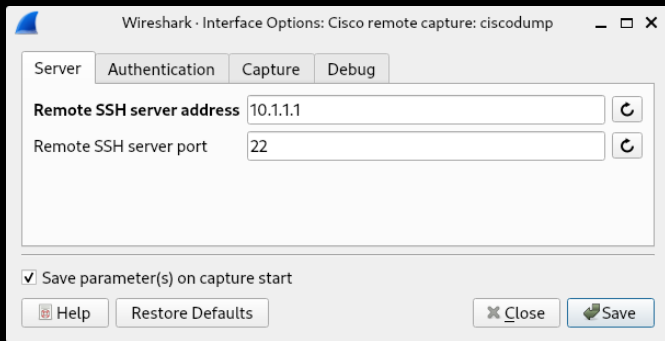
*Enter interface remote ssh  
server, capture filter*

# *Ciscodump*

*User needs privilege rights*



**Click on**



## *Cli sshdump*

*3 ways to do the same (start tcpdump remote on a ssh server and write output local to a fifo pipe):*

*1.*

```
./sshdump --extcap-interface=sshdump --remote-host 10.1.1.2 --remote-port 22 --remote-username jack --remote-password welkom --remote-capture-command 'sudo tcpdump -U -i enp1s0 -w - -c 100 tcp port 80' --fifo=/home/jack/MeetUP-Wireshark/host1 --capture
```

*2.*

```
./sshdump --extcap-interface=sshdump --remote-host 10.1.1.2 --remote-port 22 --remote-username jack --remote-password welkom --remote-interface enp1s0 --remote-capture-command-select tcpdump --remote-priv sudo --remote-filter 'tcp port 80' --remote-count 100 --fifo=/home/jack/MeetUP-Wireshark/host1 --capture
```

*3.*

```
ssh jack@10.1.1.2 -p 22 'sudo tcpdump -U -i enp1s0 -w - -c 100 tcp port 80' > /home/jack/MeetUP-Wireshark/host1
```

*Use wireshark to read from the fifo pipes*



## *Cli sshdump*

*Script to start sshdump concurrent locally and use tcpdump remotely on two different ssh servers and write output to a fifo pipe*

*-----*

```
./sshdump --extcap-interface=sshdump --remote-host 10.1.1.2 --remote-port 22 --remote-username jack --remote-password welkom --remote-capture-command 'sudo tcpdump -U -i enp1s0 -w - -c 100 tcp port 80' --fifo=/home/jack/MeetUP-Wireshark/host1 --capture &
```

```
./sshdump --extcap-interface=sshdump --remote-host 10.8.8.2 --remote-port 22 --remote-username jack --remote-password welkom --remote-capture-command 'sudo tcpdump -U -i enp1s0 -w - -c 100 tcp port 80' --fifo=/home/jack/MeetUP-Wireshark/host2 --capture &
```

*-----*

*Use wireshark to read from the fifo pipe*

## *Cli Ciscodump*

```
./ciscodump --extcap-interface=ciscodump --remote-host 10.1.1.1 --remote-port 22 --remote-username ciscodump --remote-password ciscodump --remote-interface gigabitethernet8 --remote-count 100 --remote-filter 'permit ip host 10.8.8.2 any, permit ip any host 10.8.8.2' --fifo=/home/jack/MeetUP-Wireshark/cisco --capture
```

*Use wireshark to read from the fifo pipes*

# *More info:*

*<https://www.wireshark.org/docs/man-pages/ciscodump.html>*

*<https://www.wireshark.org/docs/man-pages/sshdump.html>*

*<https://wiki.wireshark.org/CaptureSetup/Pipes>*