• ¿Cuál es la interfaz que ha recibido el mayor número de octetos?

SO Centos Con ifInOctets vemos que interfaz tiene el mayor número de octetos en este caso es la 2, con ifDescr(2) vemos que la interfaz 2 es enpos3.

1

```
Linux [Corriendo] - Oracle VM VirtualBox - - ×

Archivo Máquina Ver Entrada Dispositivos Ayuda

[root@localhost "]# snmpwalk -v2c -c redes localhost 1.3.6.1.2.1.2.2.1.18
iso.3.6.1.2.1.2.2.1.18.1 = Counter32: 581
iso.3.6.1.2.1.2.2.1.18.2 = Counter32: 1377888
[root@localhost "]# snmpyget -v2c -c redes localhost 1.3.6.1.2.1.2.2.1.2.2
iso.3.6.1.2.1.2.2.1.2.2 = STRING: "enp8s3"
[root@localhost "]#
```

Figura 1: El OID para ver los Octetos es 1.3.6.1.2.1.2.2.1.10

SO Windows Con snmpwalk podemos visualizar la tabla de las 26 interfaces con las que cuenta el so Windows y con la OID 1.3.6.1.2.1.2.2.1.10 (ifInOctets) se observan los octetos de cada una.

2

```
C:\Users\arturo\snnpwalk -vzc -c ComunidadWindows localhost 1.3.6.1.2.1.2.2.1.10

IF-HIB::iflnOctets.1 = Counter32: 8

IF-HIB::iflnOctets.2 = Counter32: 8

IF-HIB::iflnOctets.3 - Counter32: 8

IF-HIB::iflnOctets.4 - Counter32: 8

IF-HIB::iflnOctets.5 - Counter32: 8

IF-HIB::iflnOctets.6 - Counter32: 8

IF-HIB::iflnOctets.6 - Counter32: 8

IF-HIB::iflnOctets.7 - Counter32: 8

IF-HIB::iflnOctets.9 - Counter32: 8

IF-HIB::iflnOctets.9 - Counter32: 8

IF-HIB::iflnOctets.9 - Counter32: 8

IF-HIB::iflnOctets.11 = Counter32: 8

IF-HIB::iflnOctets.12 = Counter32: 8

IF-HIB::iflnOctets.13 = Counter32: 8

IF-HIB::iflnOctets.14 - Counter32: 8

IF-HIB::iflnOctets.15 - Counter32: 8

IF-HIB::iflnOctets.19 = Counter32: 8

IF-HIB::iflnOctets.20 = Counter32: 8

IF-HIB::iflnOctets.21 = Counter32: 8

IF-HIB::iflnOctets.21 = Counter32: 8

IF-HIB::iflnOctets.22 = Counter32: 8

IF-HIB::iflnOctets.23 = Counter32: 8

IF-HIB::iflnOctets.24 = Counter32: 8

IF-HIB::iflnOctets.25 = Counter32: 8

IF-HIB::iflnOctets.26 = Counter32: 8

IF-HIB::iflnOctets.27 = Counter32: 49243874

IF-HIB::iflnOctets.28 = Counter32: 49243874

IF-HIB::iflnOctets.29 = Counter32: 49243874

IF-HIB::iflnOctets.20 = Counter32: 8

IF-HIB::iflnOctets.21 = Counter32: 8

IF-HIB::iflnOctets.22 = Counter32: 8

IF-HIB::iflnOctets.23 = Counter32: 8

IF-HIB::iflnOctets.23 = Counter32: 8

IF-HIB::iflnOctets.33 = Counter32: 8

IF-HIB::iflnOctets.34 = Counter32: 8

IF-HIB::iflnOctets.35 = Counter32: 8

IF-HIB::iflnOctets.34 = Counter32: 8

IF-HIB::iflnOctets.35 = Counter32: 8

IF-HIB::iflnOctets.34 = Counter32: 8

IF-HIB::iflnOctets.34 = Counter32: 8

IF-HIB::iflnOctets.35 = Counter32: 8

IF-HIB::iflnOctets.36 = Counter32: 8

IF-HIB::iflnOcte
```

Figura 2: tabla de las interfaces en Windows con sus Octetos

Tenemos 7 interfaces que cuentan con la misma cantidad de octetos (.4, .21, .22, .23, .24, .25, .26) y podemos ver que esas interfaces son:

3

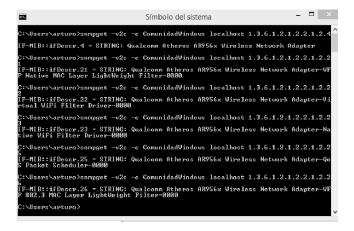


Figura 3: Interfaces

■ Indica el número de octetos de la interfaz que ha recibido el mayor número de octetos SO Centos enpos3 cuenta con 73986 octetos ifInOctets (OID 1.3.6.1.2.1.2.2.1.10.2) el cuál es 73986.



Figura 4: Octetos en enp0s3

SO Windows El número de octetos que han recibido las 7 interfaces por igual es 49243874.

```
C:\Bsers\arturo\snnpwalk -w2c -c Comunidad\windows localhost 1.3.6.1.2.1.2.2.1.18

IF-HIB::ifInOctets.1 = Counter32: 8

IF-HIB::ifInOctets.2 = Counter32: 8

IF-HIB::ifInOctets.4 = Counter32: 8

IF-HIB::ifInOctets.5 = Counter32: 8

IF-HIB::ifInOctets.7 = Counter32: 8

IF-HIB::ifInOctets.1 = Counter32: 8

IF-HIB::ifInOctets.2 = Counter32: 9

IF-HIB::ifInOctets.2 = Counter32: 9

IF-HIB::ifInOctets.2 = Counter32: 9

IF-HIB::ifInOctets.2 = Counter32: 9

IF-HIB::ifInOctets.3 = Counter32: 8

IF
```

Figura 5: Octetos en Windows

• ¿Cuál es la MAC de esa interfaz?

 $\textbf{SO Centos} \ \text{Con ifphysAddres} \ (\text{OID } 1.3.6.1.2.1.2.2.1.6.2\) \\ \text{podemos visualizar le Mac de enpos} \\ \textbf{38:0:27:91:60:40}. \\ \textbf{6}$

```
[root@localhost ]H snmpget -v2c -c redes localhost 1.3.6.1.2.1.2.2.1.2.2 iso.3.6.1.2.1.2.2.1.2.2 = STRING: "emp8s3" [root@localhost 1.3.6.1.2.1.2.2.1.6.2 iso.3.6.1.2.1.2.2.1.6.2 iso.3.6.1.2.1.2.2.1.6.2 iso.3.6.1.2.1.2.2.1.6.2 = Hex-STRING: 08 00 27 91 60 40 [root@localhost 7]#
```

Figura 6: Dirección Mac de Enp0s3

SO Windows Con ifPhysAddress se puede observar que las 7 interfaces que tiene el número igualitario de octetos cuentan con la misma dirección Mac, para esto nos apoyamos del comando snmpwalk para poder visualizar en forma de lista las diferentes direcciones de cada interfaz con la que cuenta Windows. (OID 1.3.6.1.2.1.2.2.1.6) Mac **18:4f:32:38:2a:3d**.

7

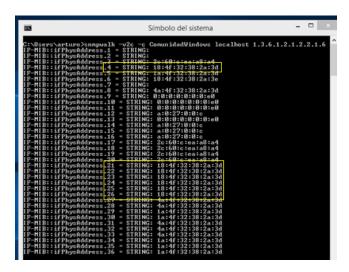


Figura 7: Tabla de direcciones Mac en Windows