Universidad Autónoma de Sinaloa

ADMINISTRACIÓN DE SISTEMAS

Nombre de la práctica:
Tarea 1: Entorno de Virtualización e Infraestructura Base

Grupo:

3-02

Alumno:

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Profesor:

Herman Geovany Ayala Zuñiga

Profesor:

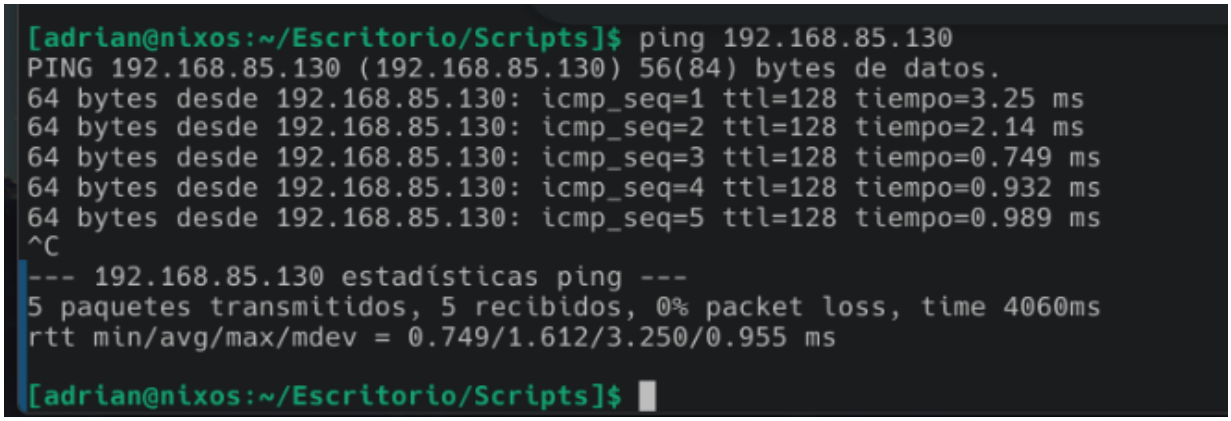
https://github.com/ADNTD1/Administracion-de-Sistemas-T1

TABLA DE DIRECCIONAMIENTO DE IP PROPUESTO:

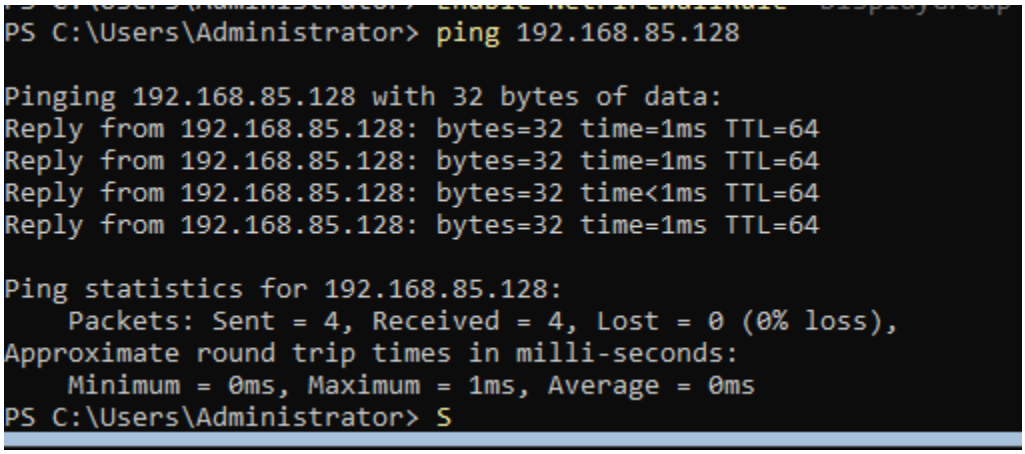
Nodo	Sistema Operativo	Dirección IP	Máscara de Red
Srv-Linux-Sistemas	NixOS Server	192.168.100.129	255.255.255.0
Srv-Win-Sistemas	Windows Server 2022	192.168.100.130	255.255.255.0
Cliente-Sistemas	NixOs	192.168.100.128	255.255.255.0

CAPTURA DEL COMANDO PING:

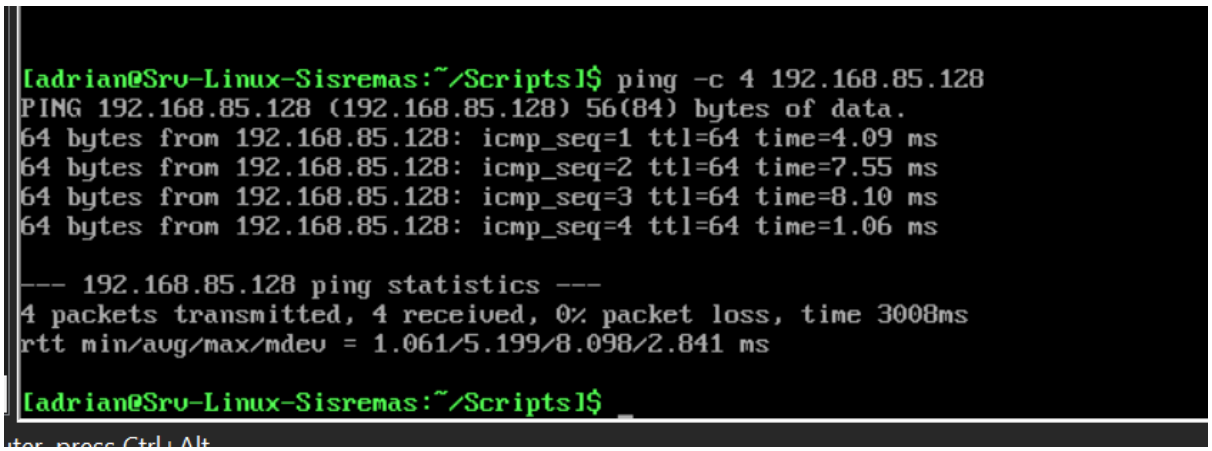
Ping entre NixOs Cliente y Windows Server 2022:



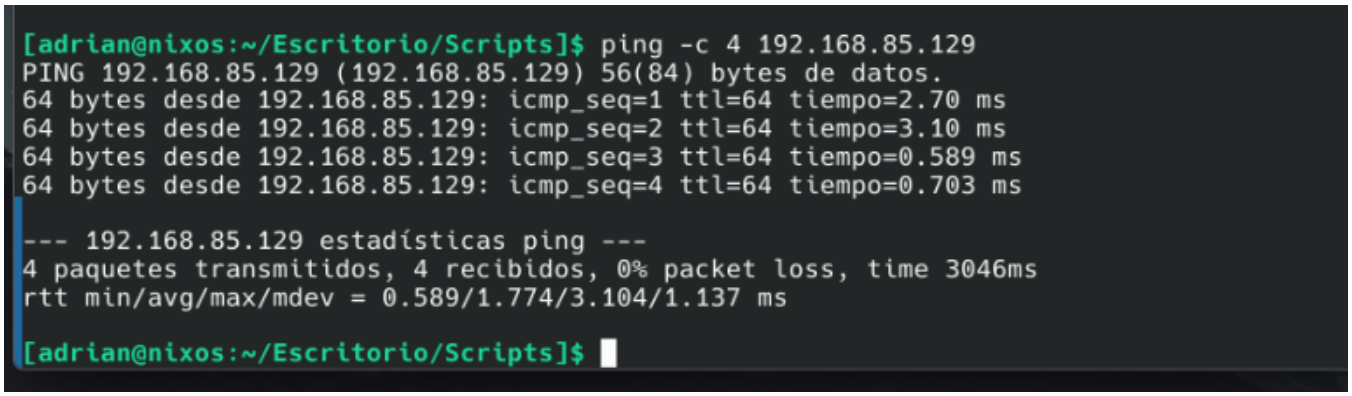
Ping entre Windows Server 2022 y NixOs Cliente:



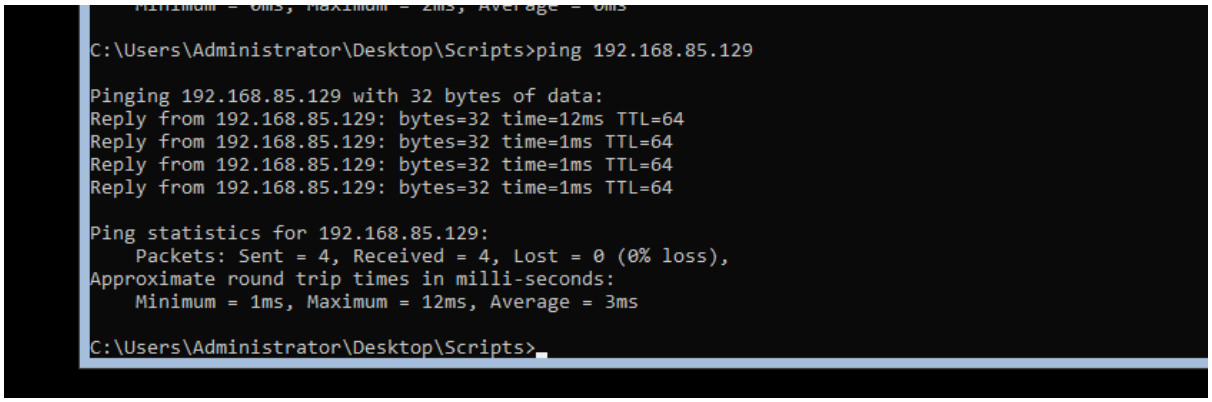
Ping entre NixOs server y NixOs cliente:



Ping entre NixOs cliente y NixOs server:



Ping entre WindowsServer y NixOS server:

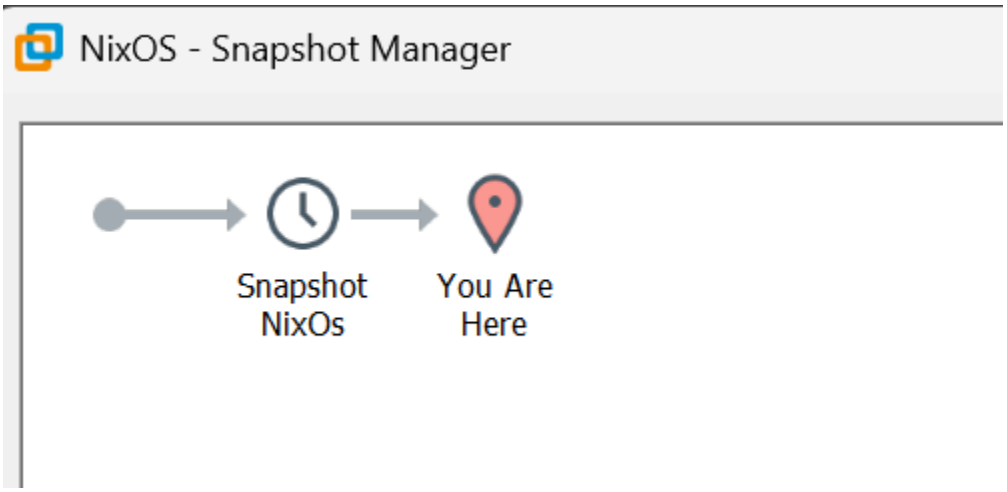


Ping entre NixOs Server y Windows Server 2022:

```
/dev/sda1        20G  2.1G   16G  12% /

[adrian@Srv-Linux-Sisremas:~/Scripts]$ ping -c 4 192.168.85.130
PING 192.168.85.130 (192.168.85.130) 56(84) bytes of data.
64 bytes from 192.168.85.130: icmp_seq=1 ttl=128 time=2.37 ms
64 bytes from 192.168.85.130: icmp_seq=2 ttl=128 time=1.73 ms
64 bytes from 192.168.85.130: icmp_seq=3 ttl=128 time=1.41 ms
64 bytes from 192.168.85.130: icmp_seq=4 ttl=128 time=0.638 ms

--- 192.168.85.130 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3008ms
rtt min/avg/max/mdev = 0.638/1.535/2.367/0.622 ms

[adrian@Srv-Linux-Sisremas:~/Scripts]$ _
```

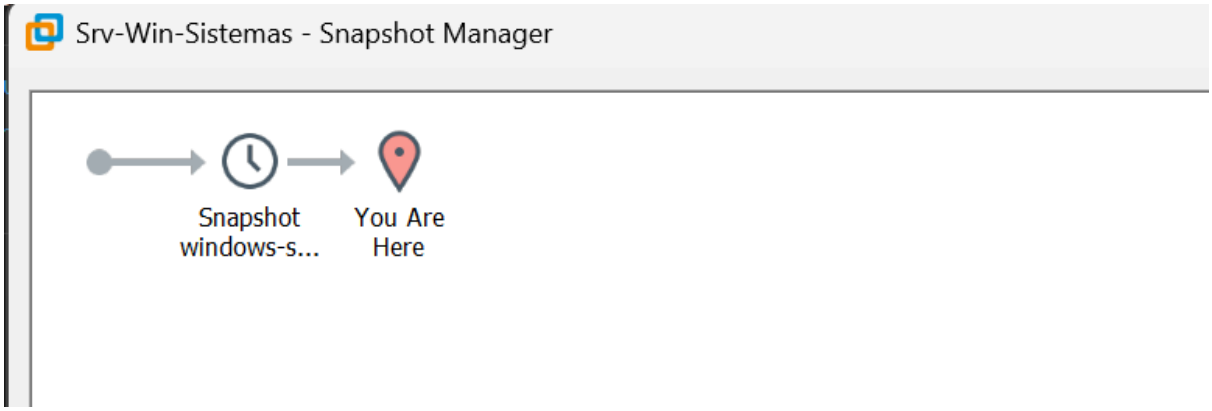
CAPTURA DE LOS “SNAPSHOTS”:

Snapshot de Linux Cliente (NixOS):

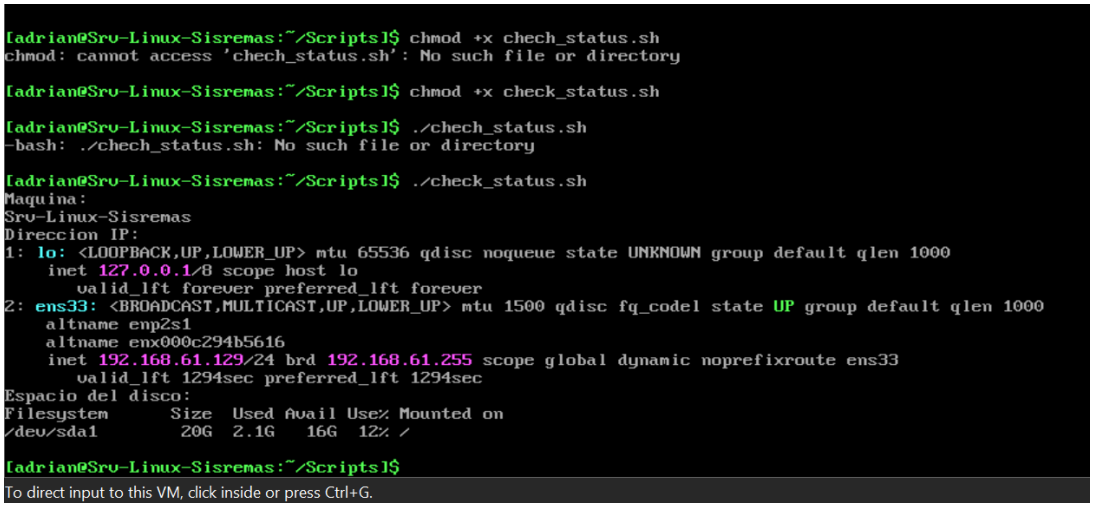


Snapshot de Linux Server(NixOs Server):

Snapshot de Windows Server 2022:



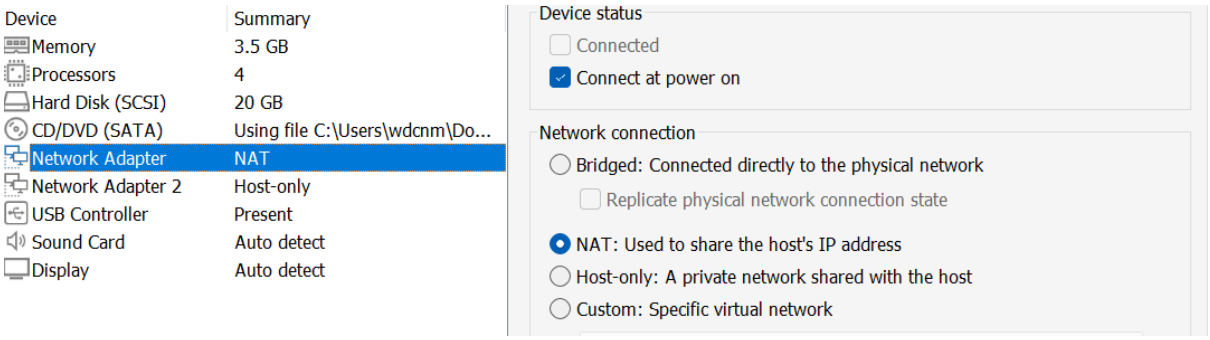
Pruebas de funcionamiento de check_status.sh y check_status.ps1



```
[adrian@nixos:~/Escritorio/Scripts]$ chmod +x Check_status.sh

[adrian@nixos:~/Escritorio/Scripts]$ ./Check_status.sh
Maquina:
nixos
Direccion ip:
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    altname enp2s1
    altname enx000c297a0c60
    inet 192.168.61.128/24 brd 192.168.61.255 scope global dynamic noprefixroute ens33
       valid_lft 1302sec preferred_lft 1302sec
Espacio del disco:
S.ficheros     Tamaño Usados  Disp Uso% Montado en
/dev/sda1         20G   9.8G  8.8G  53% /

[adrian@nixos:~/Escritorio/Scripts]$
```

```
PS C:\Users\Administrator\Desktop\Scripts> notepad check_status.ps1
PS C:\Users\Administrator\Desktop\Scripts> ./check_status.ps1
Maquina:
WIN-9M8V3M39GMK

Direccion IP:
169.254.183.107
Espacio del disco:

Name           Used (GB)     Free (GB) Provider      Root                                                CurrentLocation
----           ---------     --------- --------      ----                                                ---------------
C                   6.78         52.59 FileSystem    C:\                                 Users\Administrator\Desktop\Scripts
D                   4.70          0.00 FileSystem    D:\


PS C:\Users\Administrator\Desktop\Scripts> S
```

Configuración de los adaptadores de red:



Repositorio de GitHub:

https://github.com/ADNTD1/Administracion-de-Sistemas-T1