INSTITUT UNIVERSITAIRE DES SCIENCES

IUS

Faculté des Sciences et Technologie

FST

Niveau L3 FST

Rapport du TD2 dans le cadre du cours de Reseau 2 Soumis au chargé de Cours Ismael SAINT AMOUR Préparé par Robaldo BADIO

---**F**---- **F**--- ----

Date Le 22 Mars 2025

Importation et installation de GNS3 dans VMWorkstation

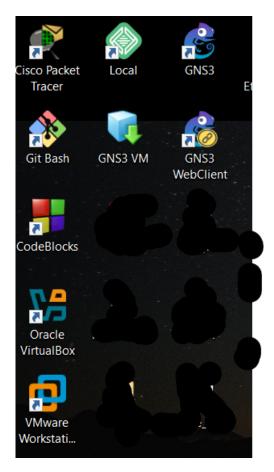


Figure 1: image1

image1	

Ajouter les images ISO Cisco:

Reproduction de la Topologie 1 en configurant le Rooter et les PCs:

image 1



Figure 2: image1

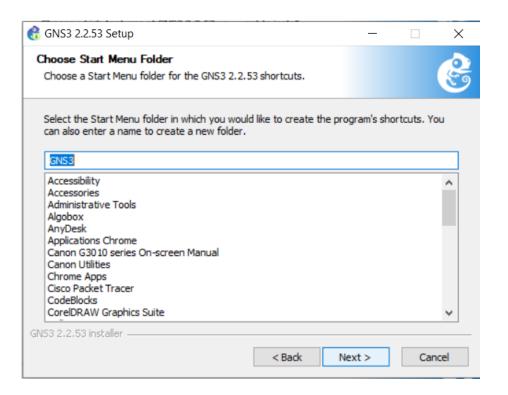


Figure 3: image1

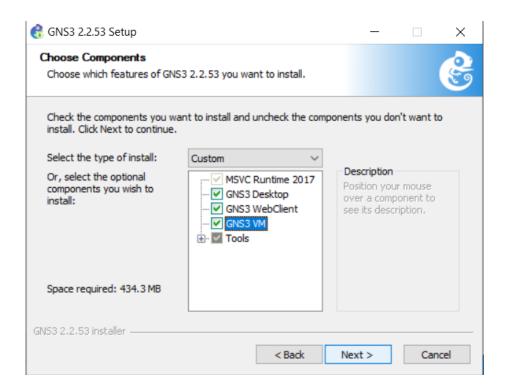


Figure 4: image1

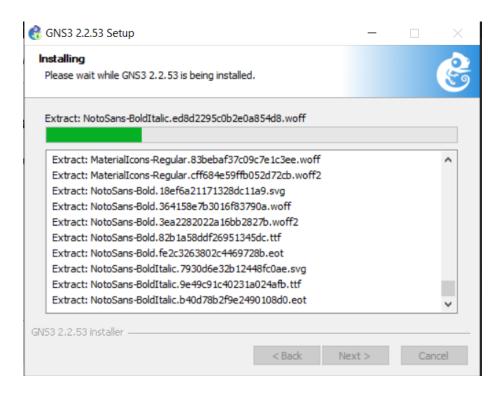


Figure 5: image1

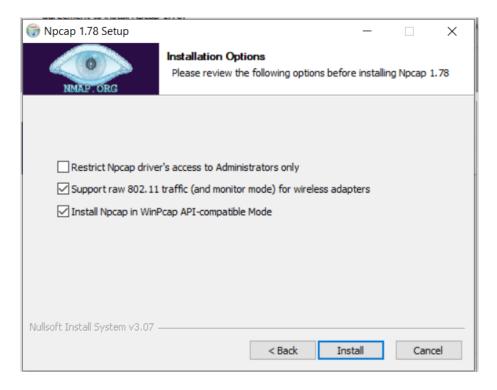


Figure 6: image1

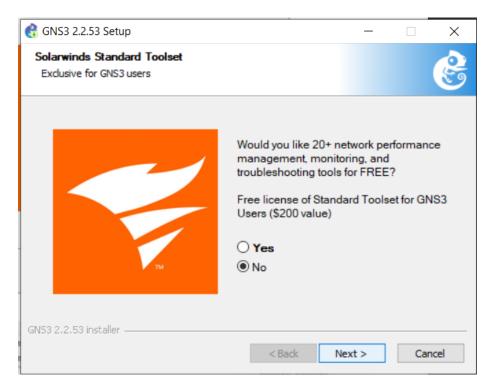


Figure 7: image1

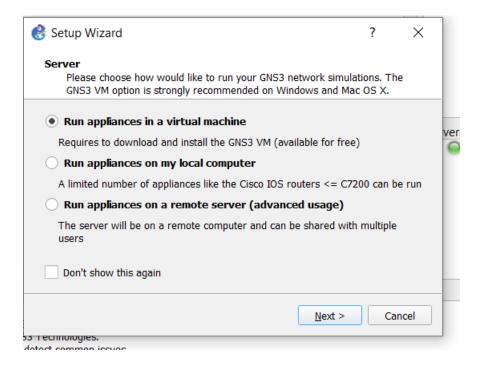


Figure 8: image1

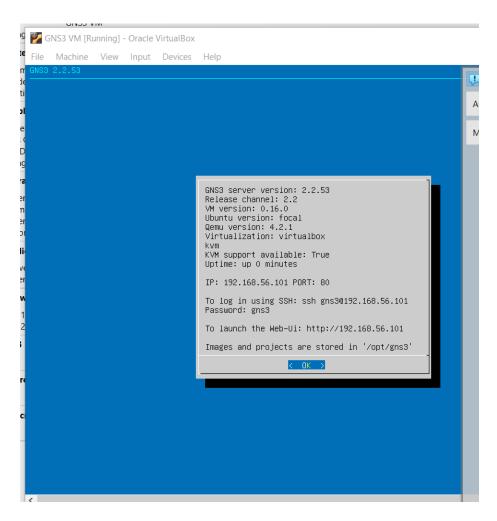


Figure 9: image1



Figure 10: image1

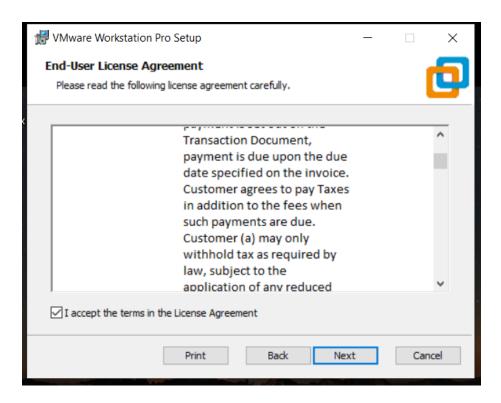


Figure 11: image1

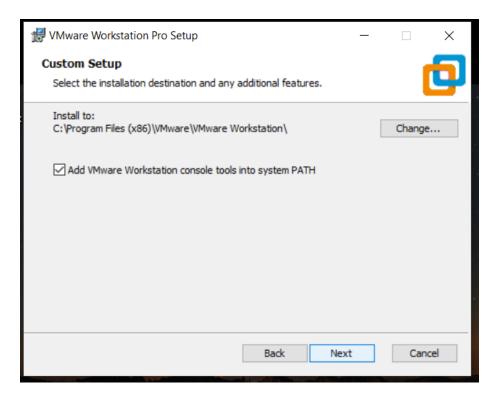


Figure 12: image1

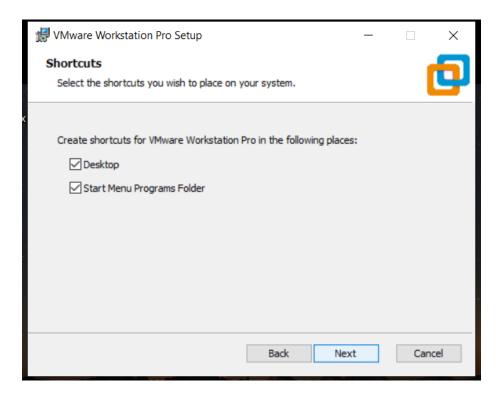


Figure 13: image1

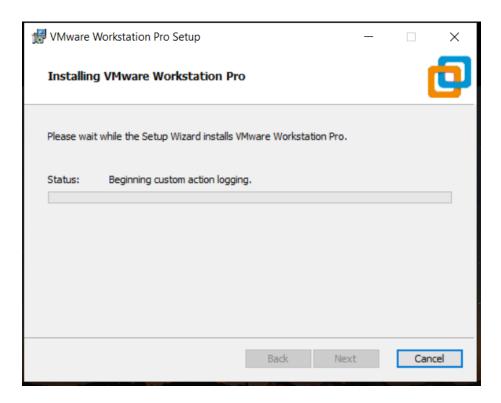


Figure 14: image1

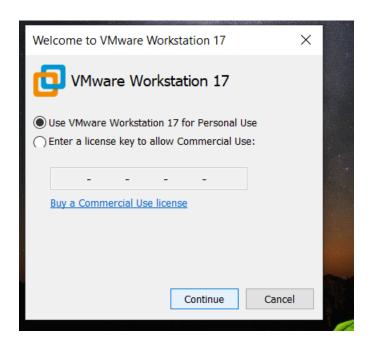


Figure 15: image1

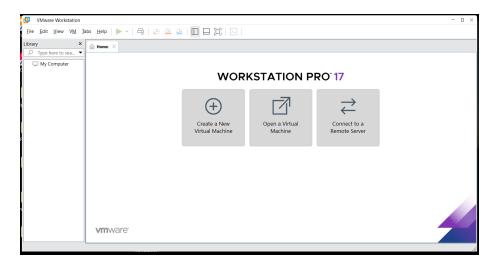


Figure 16: image1

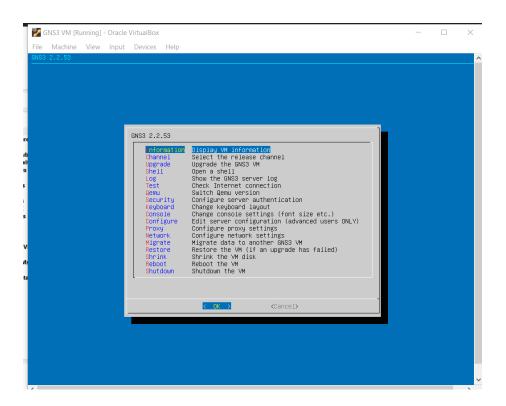


Figure 17: image1

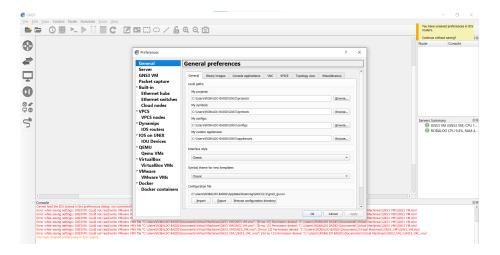


Figure 18: image1

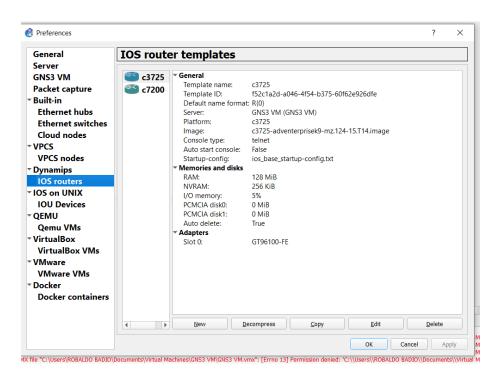


Figure 19: image1

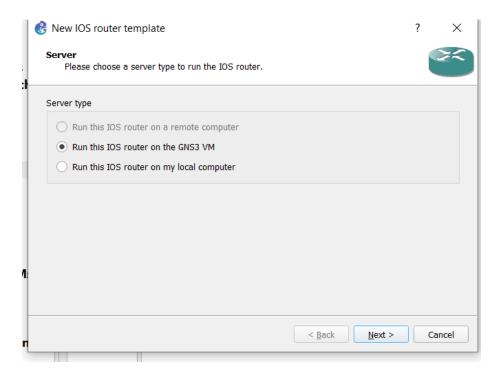


Figure 20: image1

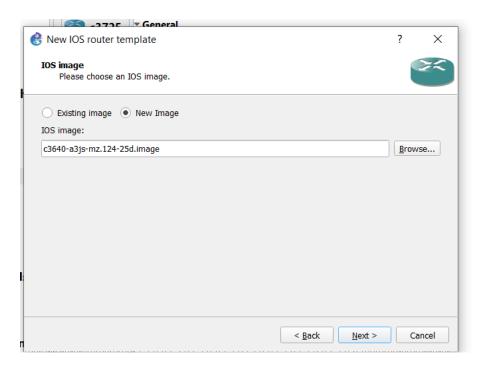


Figure 21: image1

```
themped state to up

**Nur 1 00:00:04.79: XIDNC-5-CUNVED. Interface FastEthernet0/0, changed state

**Oadministratively down

**Nur 1 00:00:04.79: XIDNC-5-CUNVED. Interface FastEthernet0/0, changed state

**Oadministratively down

**Nur 1 00:00:04.409: XSVS-5-RESTART: System restarted.

**RELEGE SOFTHARE: (FLOS.)

**RELEGE SOFTHARE: (FL
```

Figure 22: image1

```
Welcome to Virtual PC Simulator, version 0.8.3
Dedicated to Daling.
Build time: Sep 9 2023 11:15:00
Copyright (c) 2007-2015, Paul Meng (mirnshi@gmail.com)
All rights reserved.

VPCS is free software, distributed under the terms of the "BSD" licence.
Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC1>
PC1>
PC1>
PC1>
PC1 : 192.168.1.2 255.255.255.0 192.168.1.1
Checking for duplicate address...
PC1 : 192.168.1.2 255.255.255.0 gateway 192.168.1.1

PC1> show ip

NAME : PC1[1]
IP/MASK : 192.168.1.2/24
GATEWAY : 192.168.1.1
DNS :
MAC : 00:50:79:66:68:00
LPORT : 20008
RHOST:PORT : 127.0.0.1:20009
MTU : 1500

PC1> []
```

Figure 23: image1

```
Welcome to Virtual PC Simulator, version 0.8.3

Dedicated to Daling.

Build time: Sep 9 2023 11:15:00

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For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC2> ip 192.168.1.3 255.255.255.0 192.168.1.1

Checking for duplicate address...

PC2: 192.168.1.3 255.255.255.0 gateway 192.168.1.1

PC2> show ip

NAME : PC2[1]

IP/MASK : 192.168.1.3/24

GATEWAY : 192.168.1.1

DNS :

MAC : 00:50:79:66:68:01

LPORT : 20010

RHOST:PORT : 127.0.0.1:20011

MTU : 1500

PC2>
```

Figure 24: image1

Reproduction de la Topologie 2 en configurant le Rooter et les PCs:

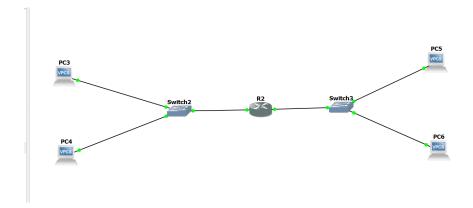


Figure 25: image1

Conclusion

Je peux dire que ce TD m'a permis de maîtriser les étapes essentielles d'importation, d'installation et de configuration de GNS3 dans un environnement VMWorkstation. En reproduisant les topologies réseau et en configurant les routeurs et les PCs, j'ai pu illustrer concrètement les concepts étudiés dans le cours de Réseau 2. Ces expériences renforcent ma compréhension des outils de simulation réseau, tout en offrant une base solide pour des projets futurs.

```
Welcome to Virtual PC Simulator, version 0.8.3

Dedicated to Daling.
Build time: Sep 9 2023 11:15:00

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Press '?' to get help.

Executing the startup file

PC3> ip 192.168.3.2 255.255.255.0 192.168.3.1

Checking for duplicate address...
PC3: 192.168.3.2 255.255.255.0 gateway 192.168.3.1

PC3> shown ip

NAME : PC3[1]

IP/MSK : 192.168.3.2/24

GATEMAY : 192.168.3.1

DNS :

MAC : 00:50:79:66:68:02

LPORT : 20028

RHOST:PORT : 127.0.0.1:20029

MTU : 1500
```

Figure 26: image1

```
Welcome to Virtual PC Simulator, version 0.8.3

Dedicated to Daling.

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Press '?' to get help.

Executing the startup file

PC4> ip 192.168.3.3 255.255.255.0 192.168.3.1

Checking for duplicate address...

PC4 : 192.168.3.3 255.255.255.0 gateway 192.168.3.1

PC4> show ip

NAME : PC4[1]

IP/MASK : 192.168.3.3/24

GATEMAY : 192.168.3.1

DNS : 
MAC : 00:50:79:66:68:03

LPORT : 200:30

RHOST:PORT : 127.0.0.1:20031

MTU : 1500

PC4> ■
```

Figure 27: image1

```
Melcome to Virtual PC Simulator, version 0.8.3

Dedicated to Daling.

Build time: Sep 9 2023 11:15:00

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For more information, please visit wiki.freecode.com.cn.

Press '?' to get help.

Executing the startup file

PC5> ip 192.168.4.2 255.255.255.0 192.168.4.1

Checking for duplicate address...

PC5 : 192.168.4.2 255.255.255.0 gateway 192.168.4.1

PC5> show ip

NAME : PC5[1]

IP/MASK : 192.168.4.2/24

GATEWAY : 192.168.4.1

DNS :

WAC : 00:50:79:66:68:04

LPORT : 20832

RHOST:PORT : 127.0.0.1:20033

MTU : 1500

PC5> ■
```

Figure 28: image1

```
Press '?' to get help.

Executing the startup file

PC6> ip 192.168.4.3 255.255.255.0 192.168.4.1
Checking for duplicate address...
PC6 : 192.168.4.3 255.255.255.0 gateway 192.168.4.1

PC6> show ip

NAME : PC6[1]
IP/MASK : 192.168.4.3/24
GATEWAY : 192.168.4.1
DNS :
MAC : 00:50:79:66:68:05
LPORT : 20034
RHOST:PORT : 127.0.0.1:20035
MTU : 1500

PC6>
```

Figure 29: image1