

Cours Virtualisation des réseaux

Ynov Nantes – 2022-2023

Guide installation logiciel de simulation réseau GNS3

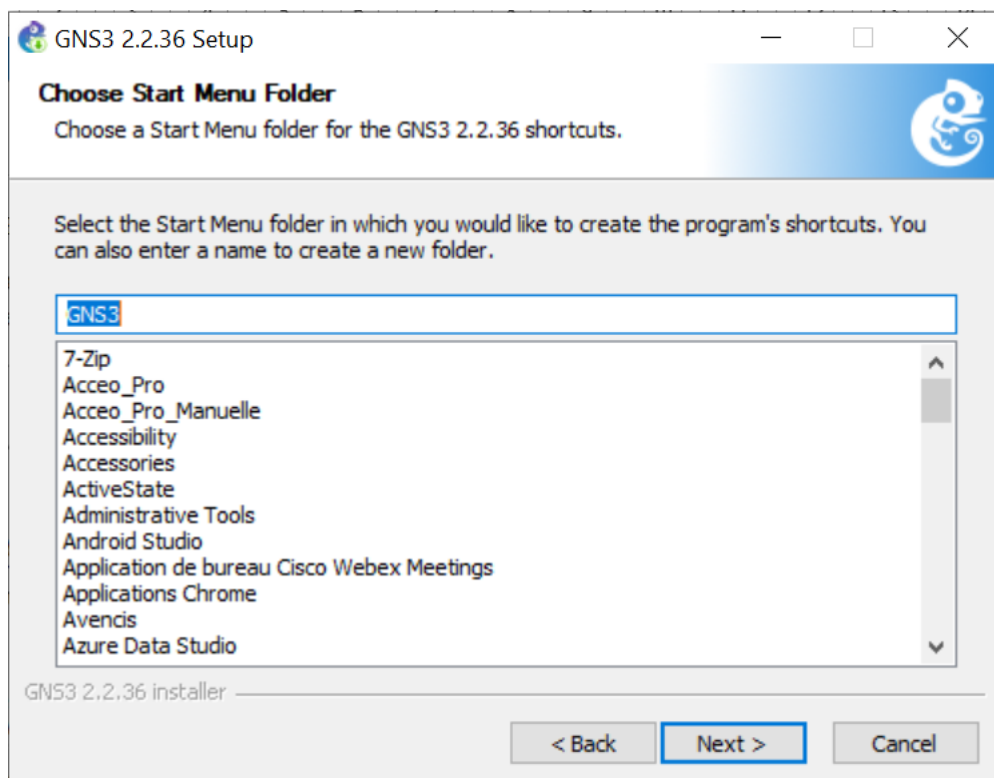
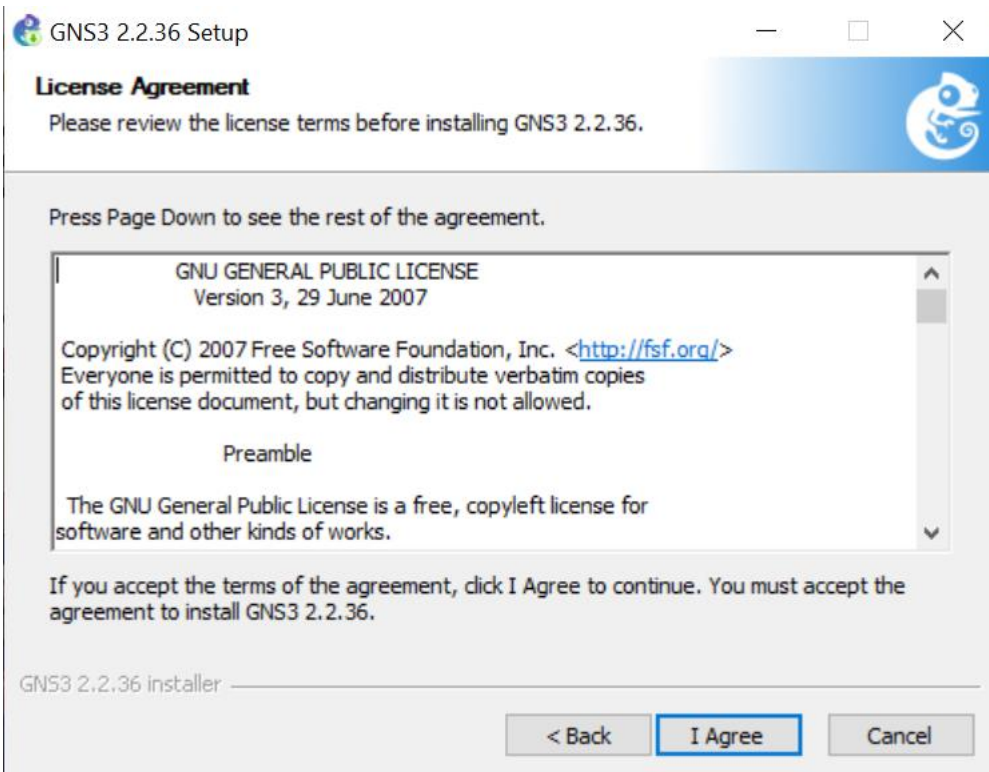
Objectif : Installer un logiciel de simulation réseau permettant de tester et suivre les configurations

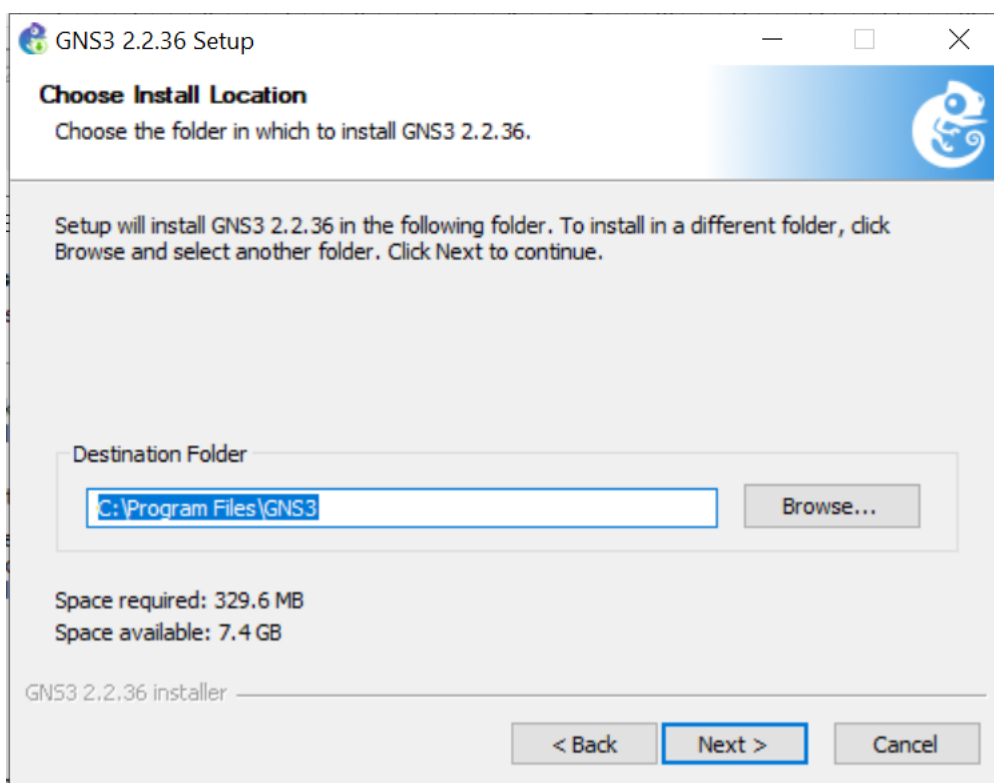
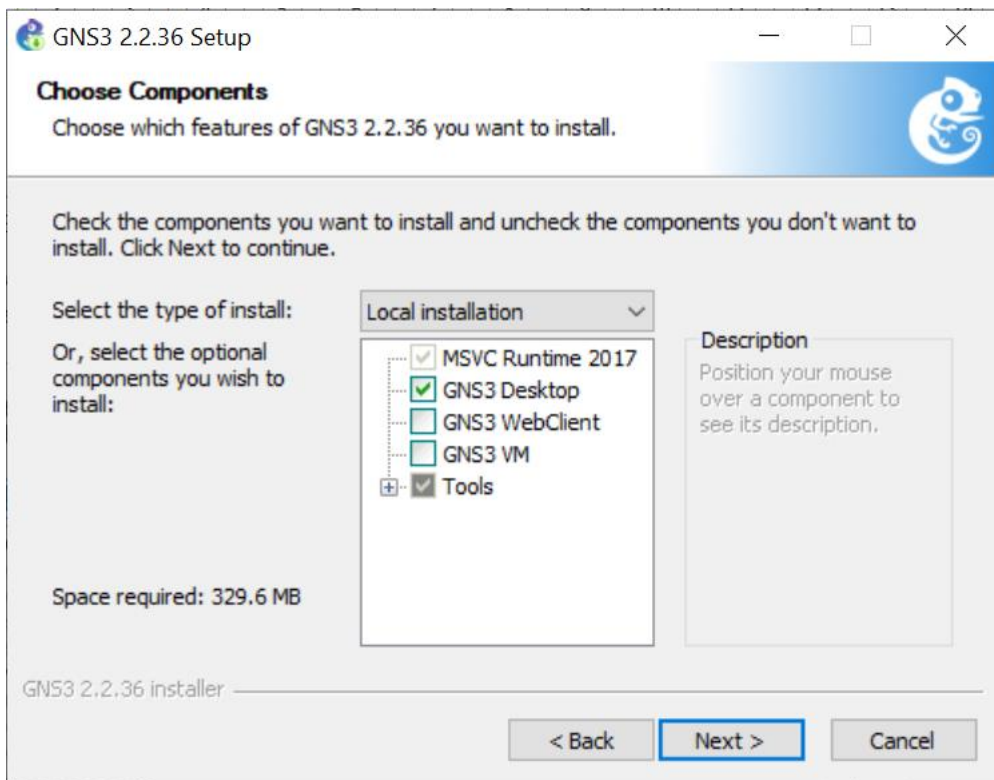
Pré requis

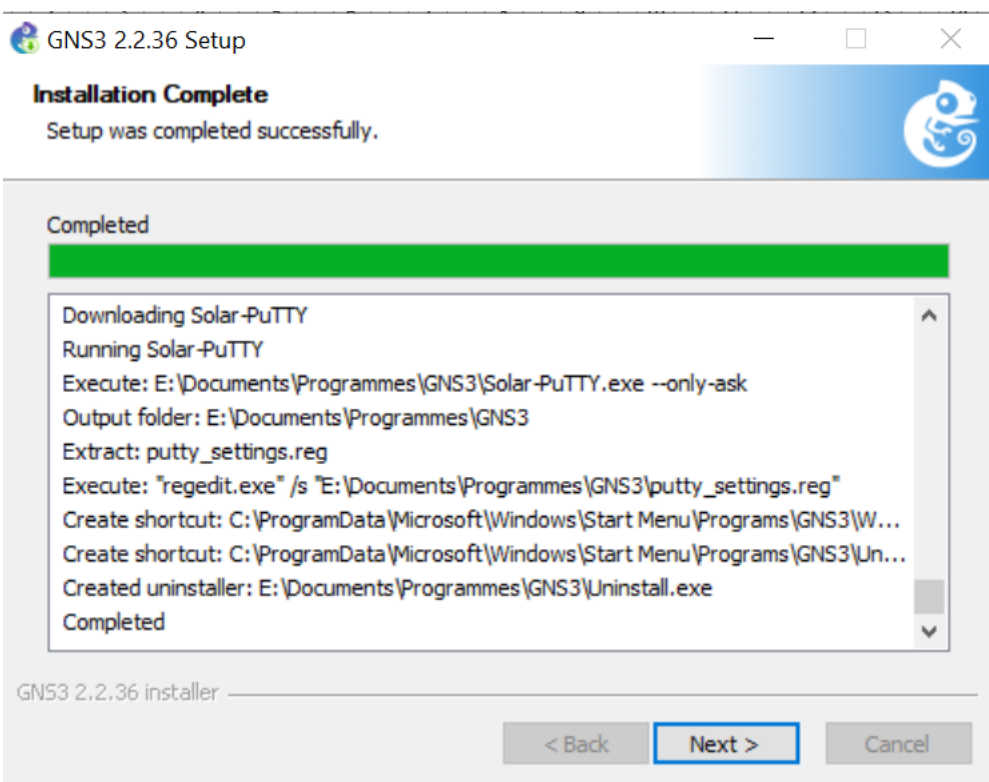
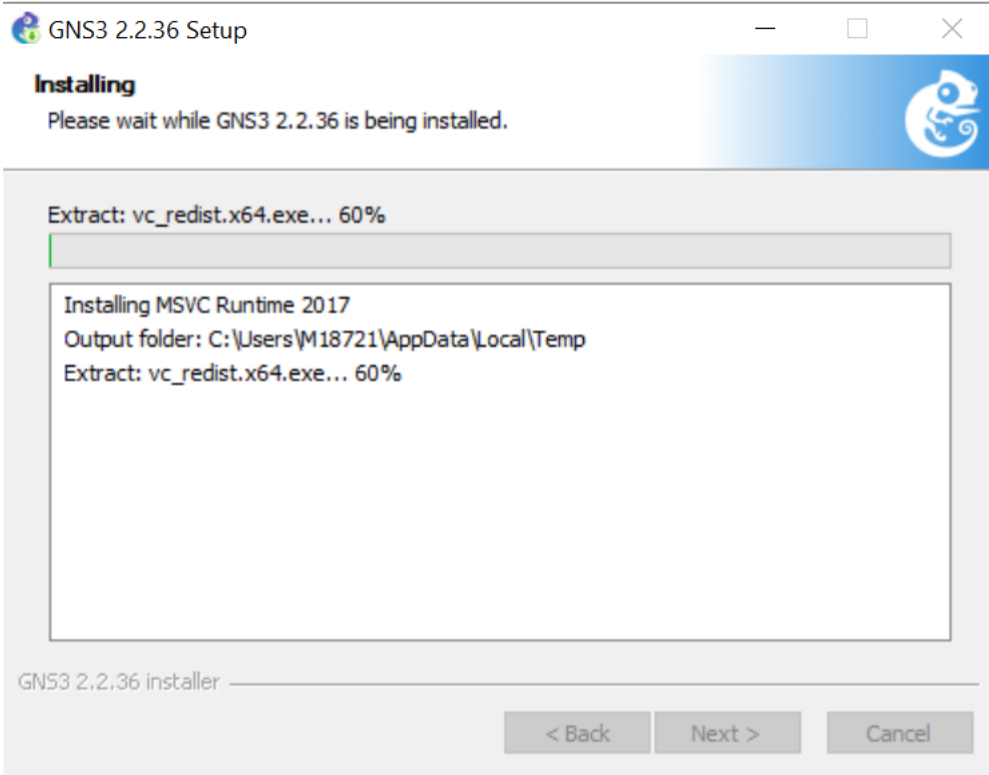
Disposer de l'installateur disponible en téléchargement sur Teams

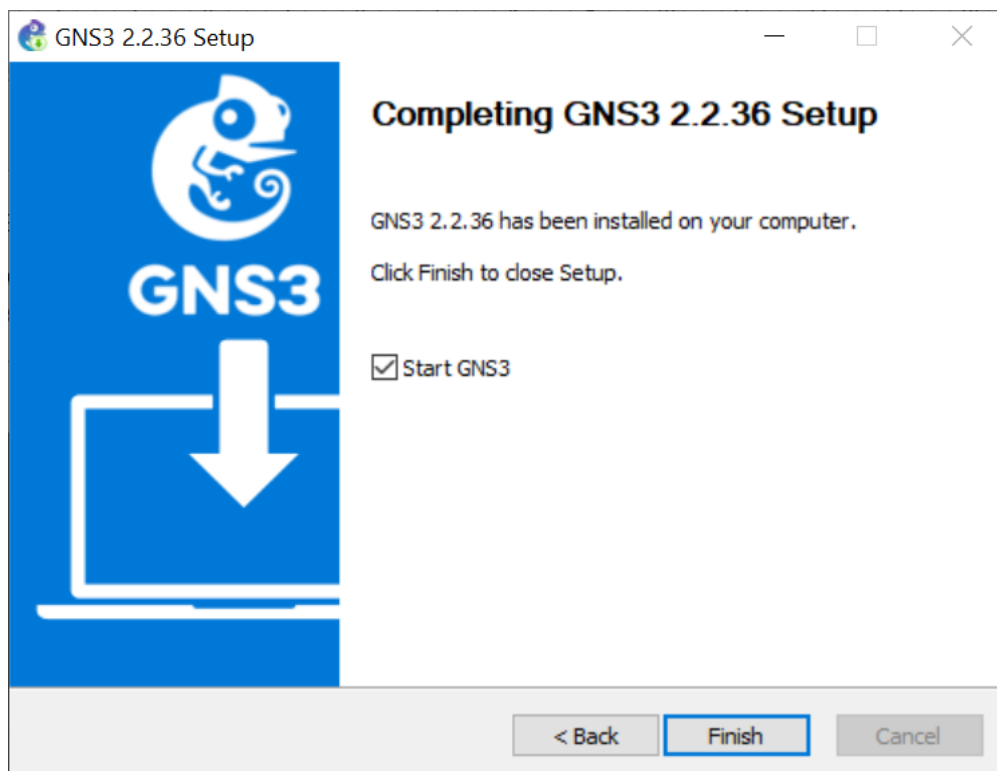
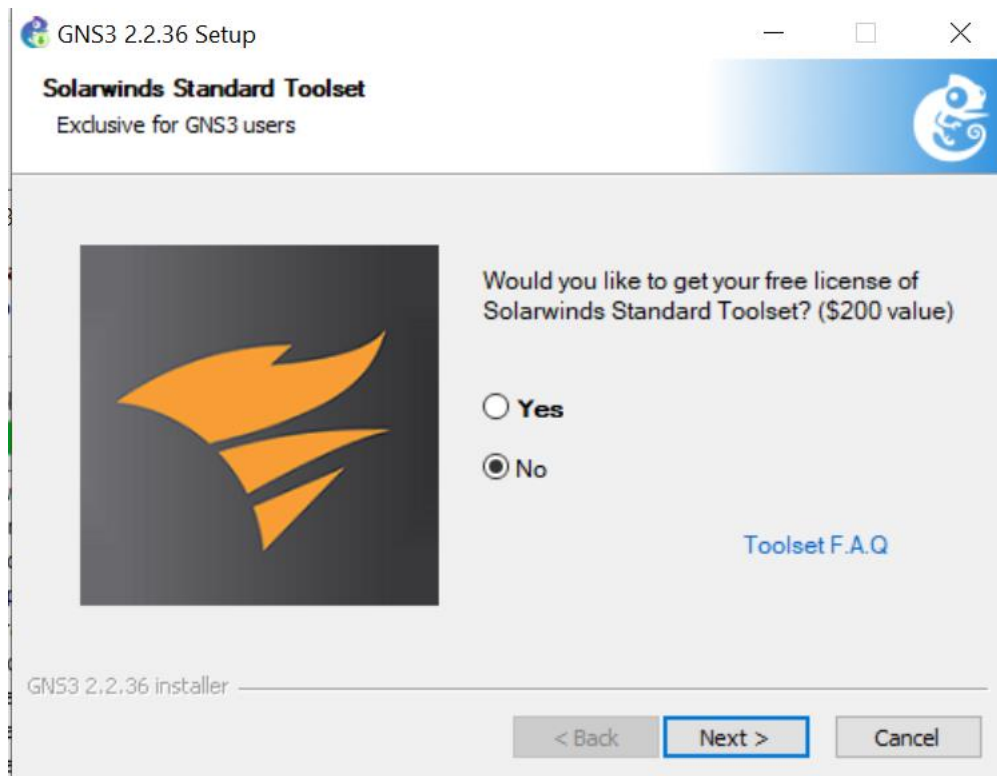
Installation de gns3











Au premier démarrage choisissez comment le logiciel devra être démarré

Server

Please choose how would like to run your GNS3 network simulations. The GNS3 VM option is strongly recommended on Windows and Mac OS X.

☐ **Run appliances in a virtual machine**

Requires to download and install the GNS3 VM (available for free)

☒ **Run appliances on my local computer**

A limited number of appliances like the Cisco IOS routers \leq C7200 can be run

☐ **Run appliances on a remote server (advanced usage)**

The server will be on a remote computer and can be shared with multiple users

☒ Don't show this again

[Next >](#)[Cancel](#)

Emplacement de la configuration local du server cela doit correspondre au répertoire de votre installation

Local server configuration

Please configure the following GNS3 local server settings

Server path: E:\Documents\Programmes\GNS3\gns3server.EXE

Browse...

Host binding: localhost

Port: 3080 TCP

< Back

Next >

Cancel

Local server status

Validation of the configuration for the local server

Connection to the local GNS3 server has been successful!

< Back

Next >

Cancel

Summary

The server type has been configured, please see the summary of the settings below

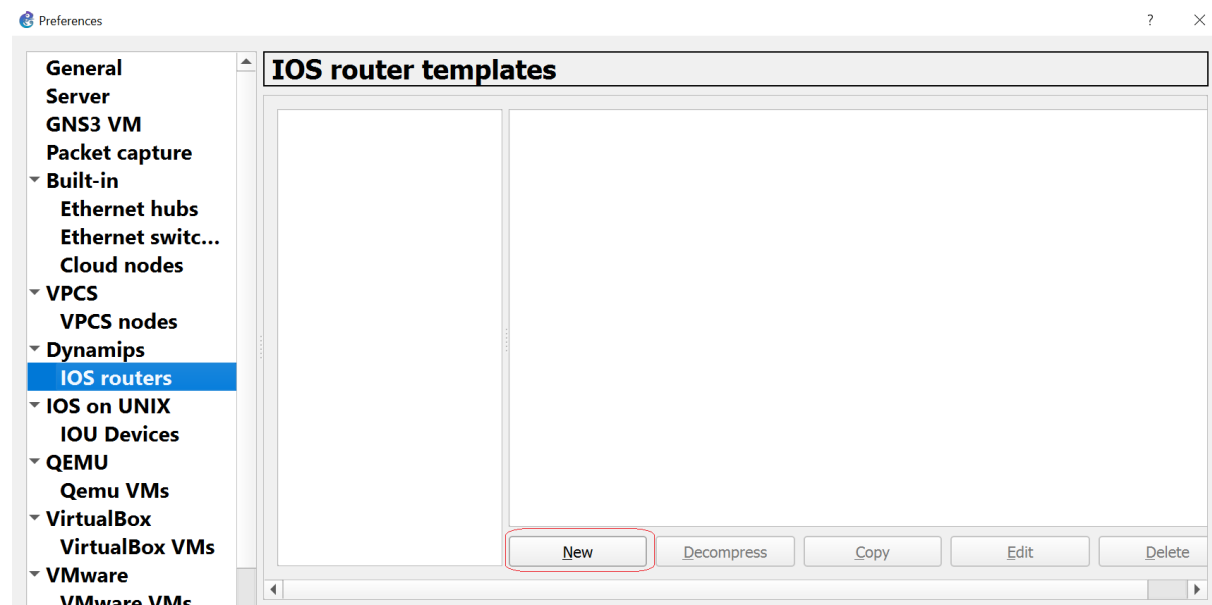
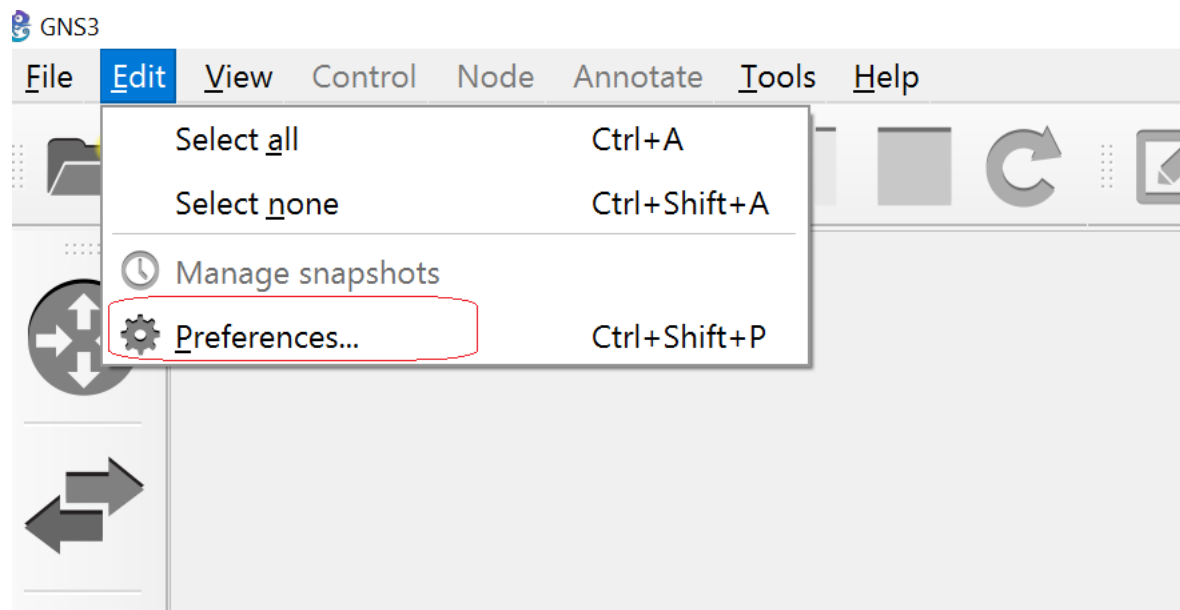
Server type:	Local
Path:	E:\Documents\Programmes\GNS3\gns3server.EXE
Host:	localhost
Port:	3080

< Back

Finish

Cancel

Ajouter un router



Server

Please choose a server type to run the IOS router.



Server type

- ☐ Run this IOS router on a remote computer
- ☐ Run this IOS router on the GNS3 VM
- ☒ Run this IOS router on my local computer

< Back

Next >

Cancel

Sélectionner l'image du router à installer

New IOS router template

IOS image

Please choose an IOS image.



IOS image:

C:\GNS3\images\IOS\c3660-a3jk9s-mz.124-25d.image

Browse...

Conserver les options par défaut

Name and platform

Please choose a descriptive name for this new IOS router and verify the platform and chassis.



Name:

Platform:

Chassis:

☐ This is an EtherSwitch router

Memory

Please check the amount of memory (RAM) that you allocate to IOS. Too much or not enough RAM could prevent IOS from starting.



Default RAM:

[Check for minimum and maximum RAM requirement](#)

Network adapters

Please choose the default network adapters that should be inserted into every new instance of this router.



slot 0:

slot 1:

slot 2:

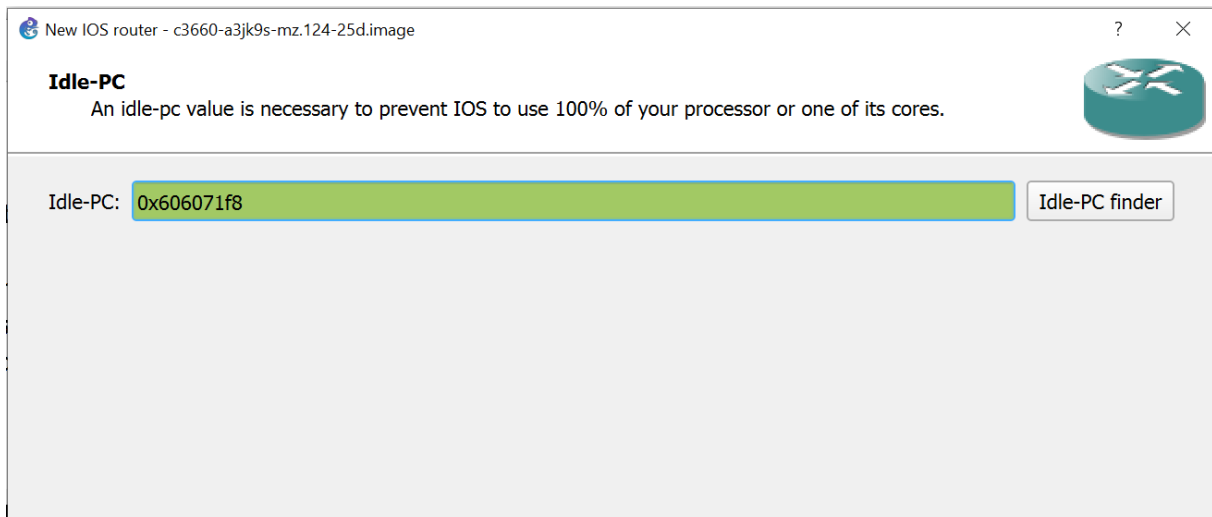
slot 3:

slot 4:

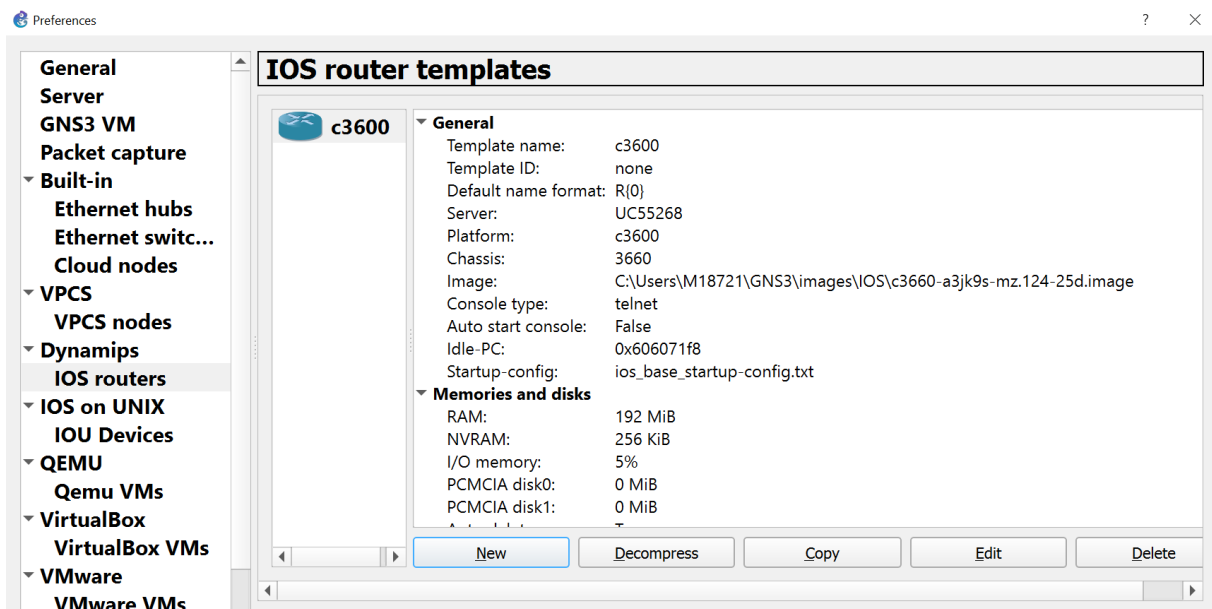
slot 5:

slot 6:

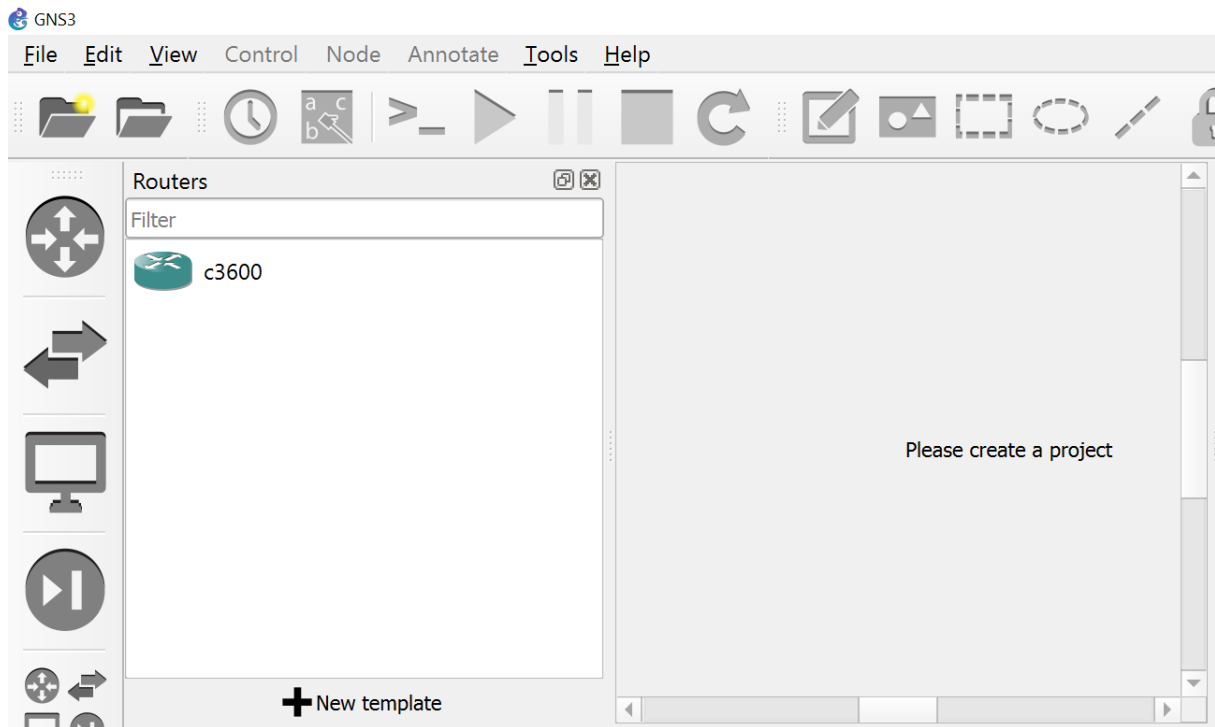
Cliquer sur le bouton « Idle-PC finder » si aucune valeur n'est proposée par défaut puis lorsque la sélection est terminée vous pouvez terminer le processus.



Le nouveau router devrait être maintenant disponible dans la sélection des outils

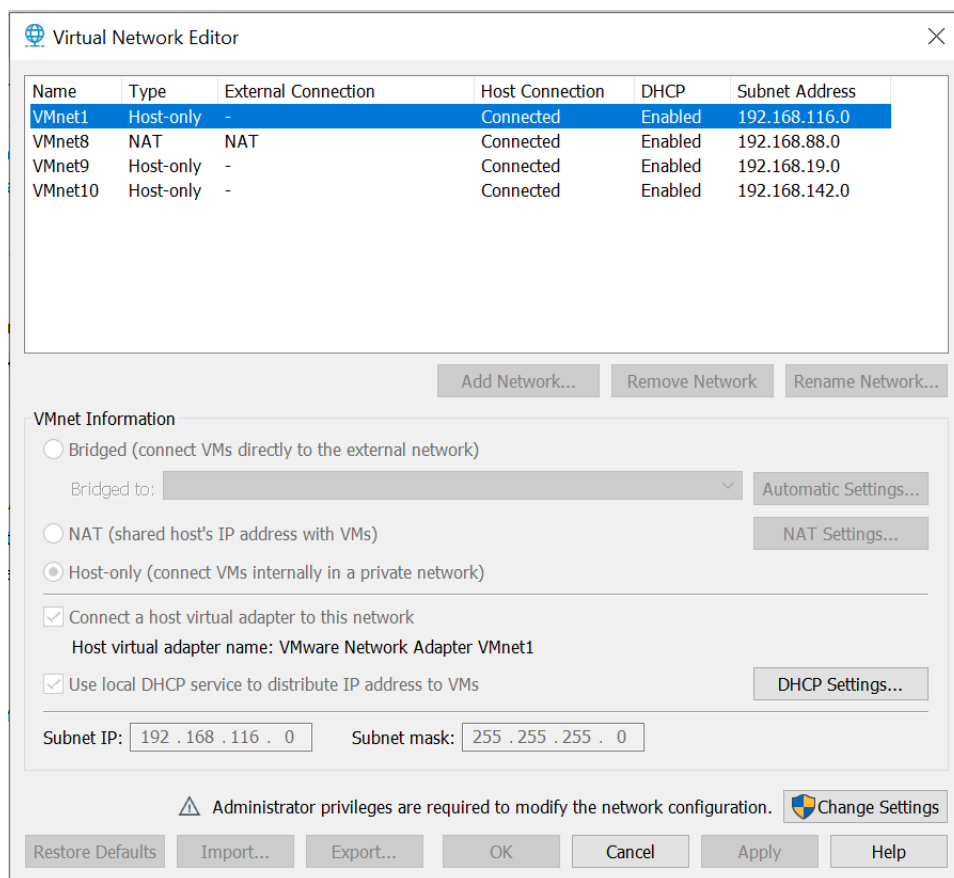


Comme vous pouvez le constater le nouveau périphérique est maintenant disponible



Autoriser la communication entre votre hyperviseur et gns3

Suivant les interfaces disponibles sur votre hyperviseur, autoriser le trafic puis cliquer sur le bouton configure



GNS3 VM

Packet capture

▼ **Built-in**

Ethernet hubs

Ethernet switc...

Cloud nodes

▼ **VPCS**

VPCS nodes

▼ **Dynamips**

IOS routers

▼ **IOS on UNIX**

IOU Devices

▼ **QEMU**

Qemu VMs

▼ **VirtualBox**

VirtualBox VMs

▼ **VMware**

VMware VMs

▼ **Docker**

VMware preferences

Local settingsAdvanced local settings

Managed VMnet interfaces (VMnet8 excluded)

vmnet2 to vmnet10

ConfigureReset

☐ Block network traffic originating from the host OS

Restore defaults