# Cisco ASA 5520 sur GNS3

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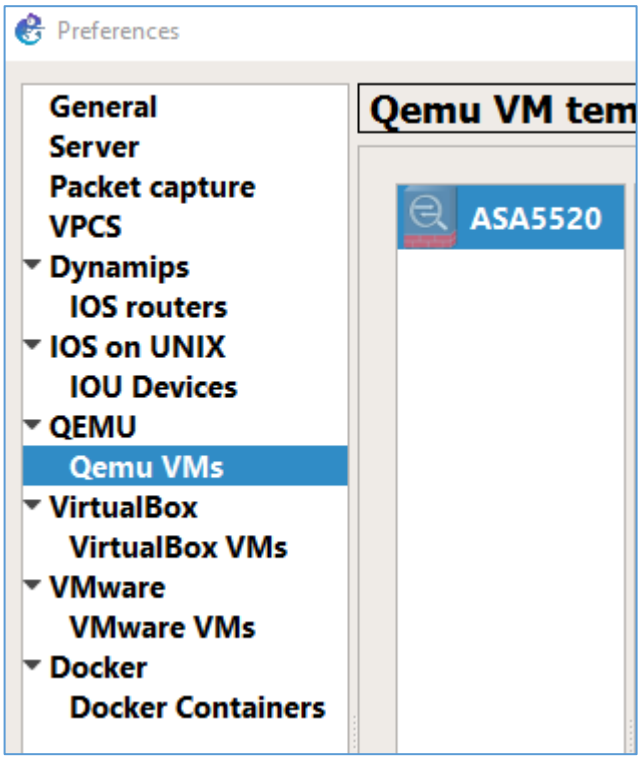
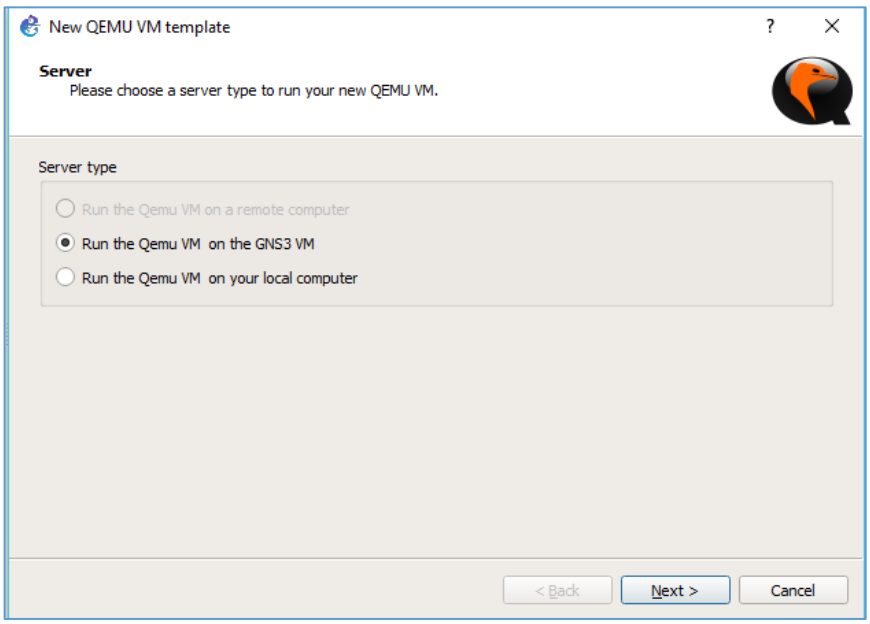
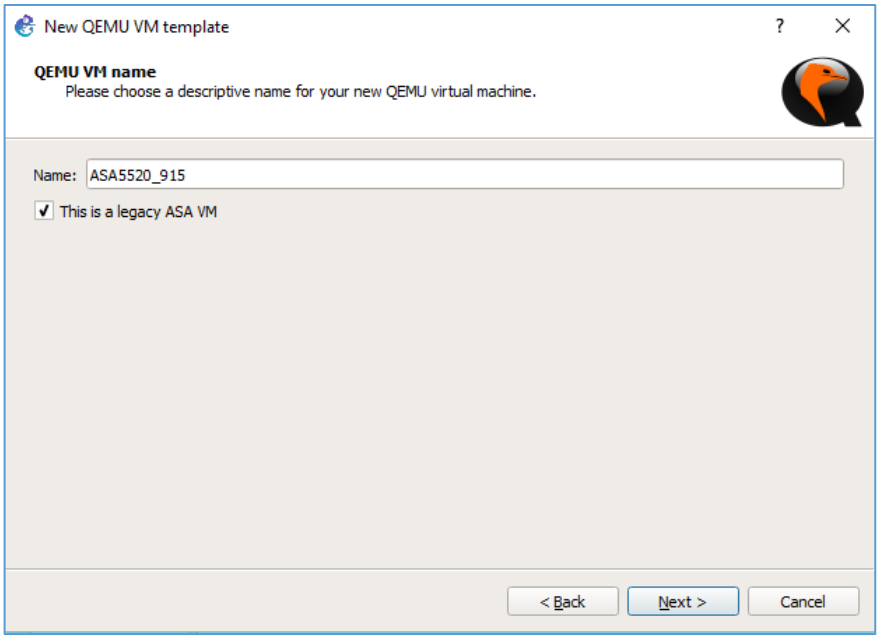
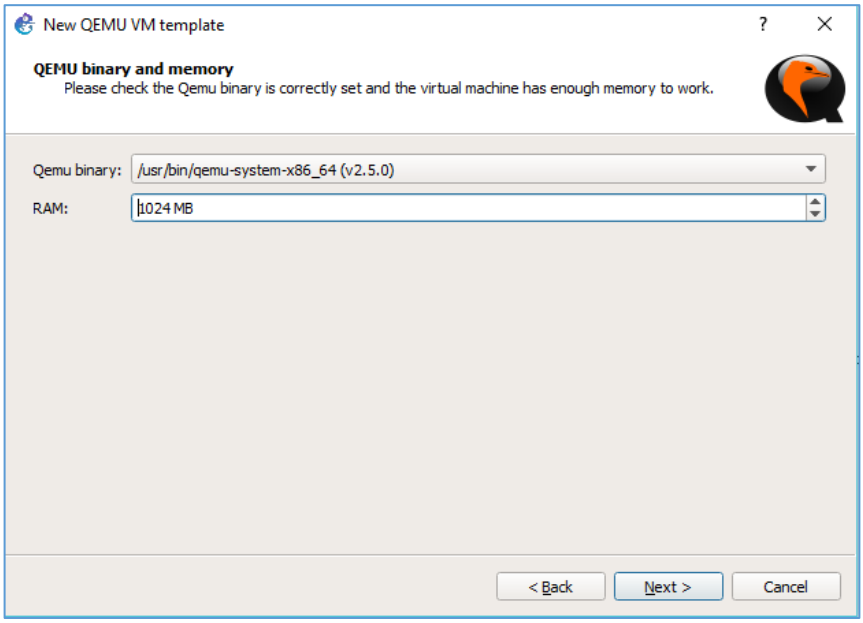
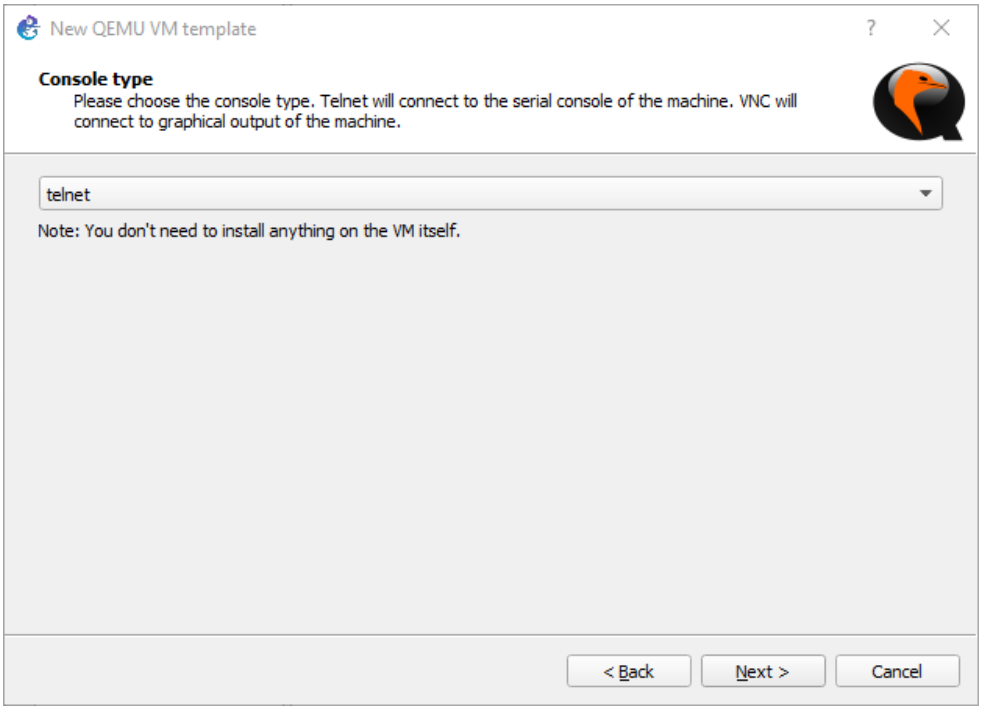
# 1 Installer une image ASA

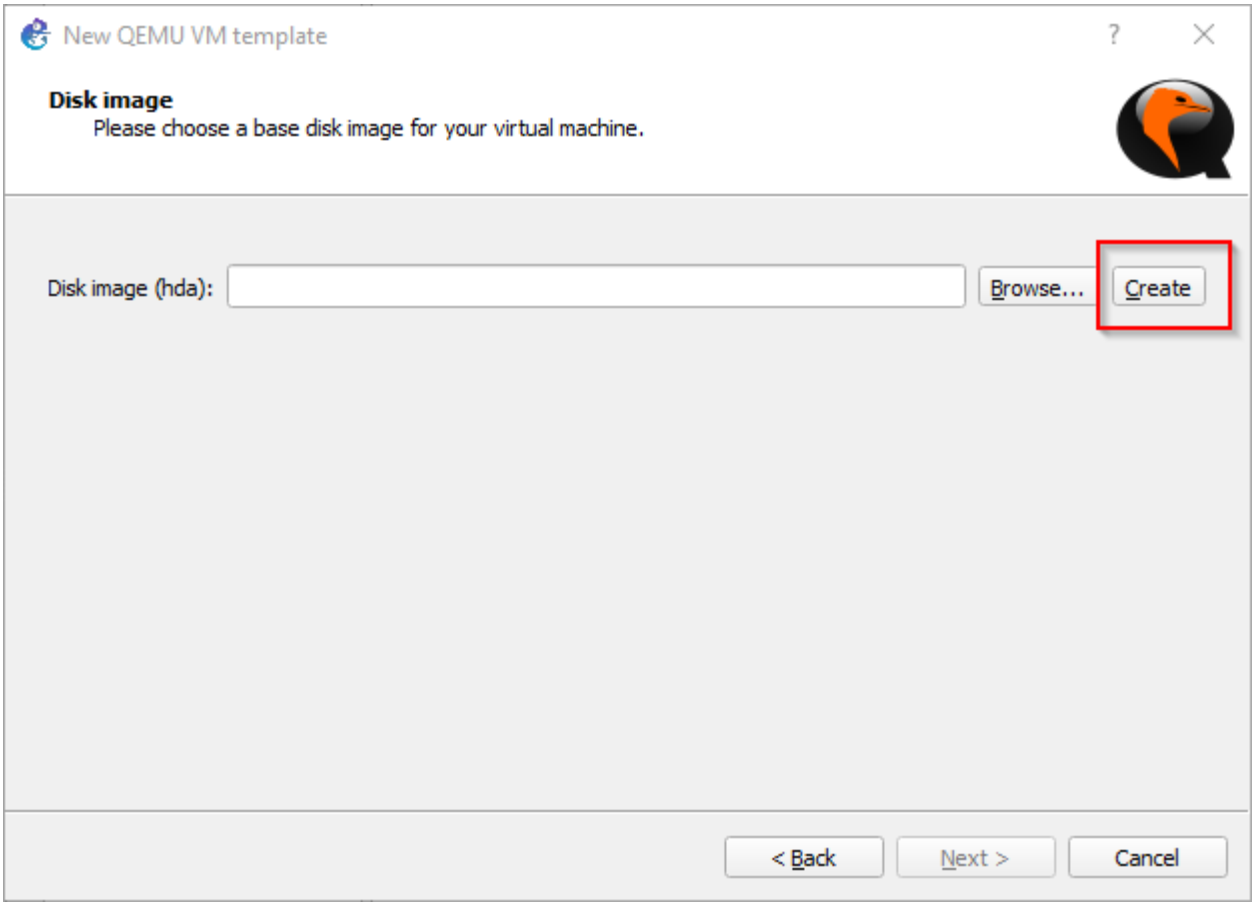


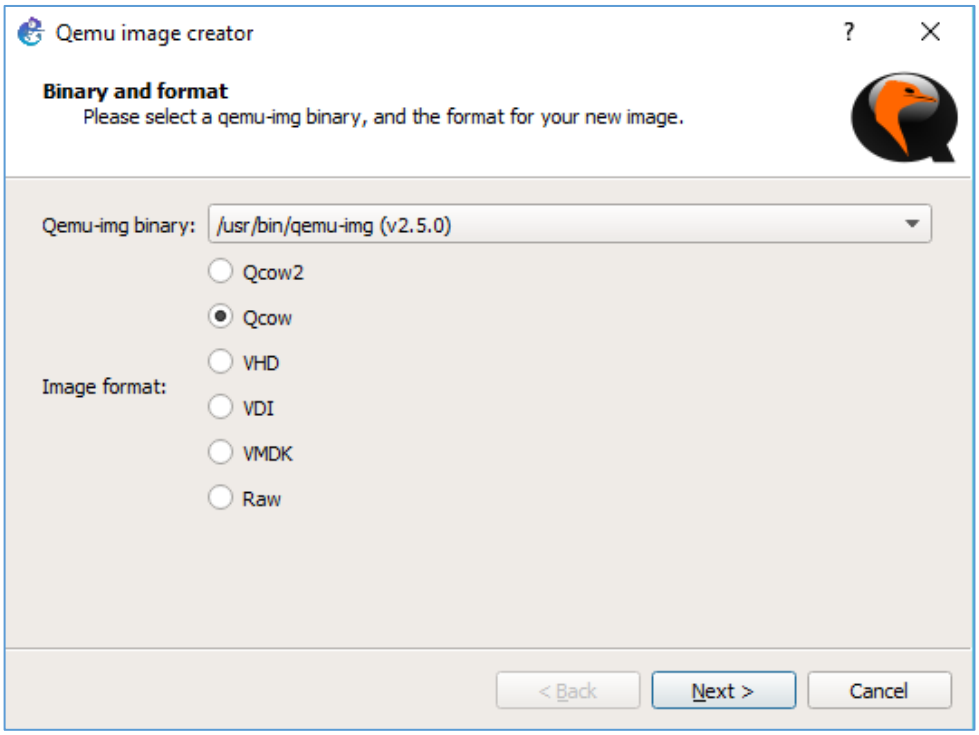



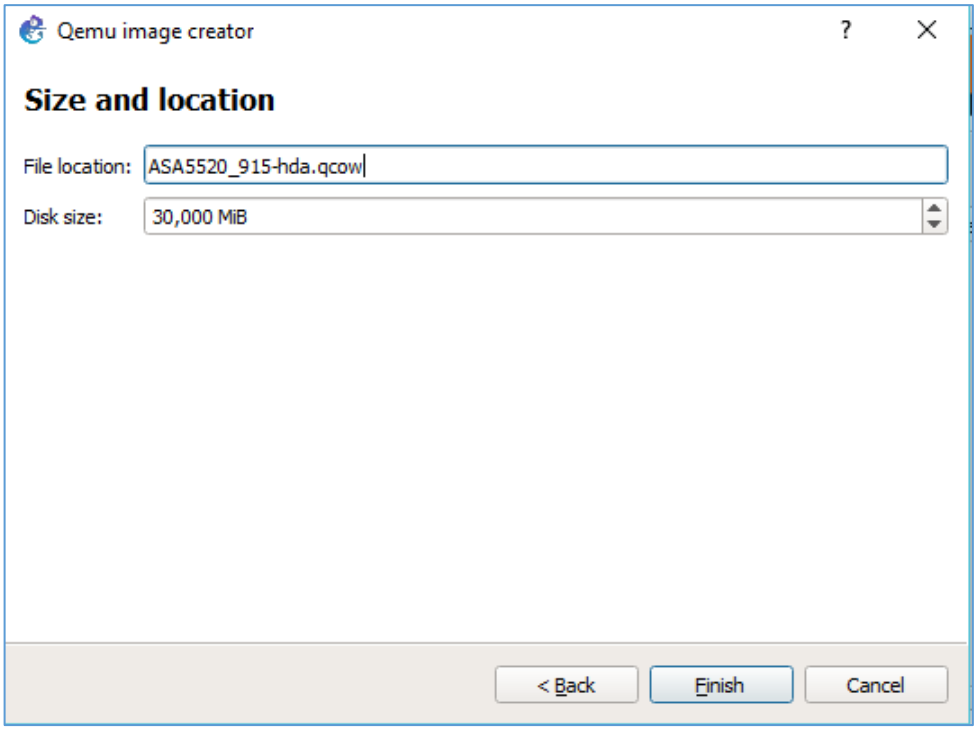

New QEMU VM template
QEMU VM name
Please choose a descriptive name for your new QEMU virtual machine.
Name:
ASA5520_915
This is a legacy ASA VM
< Back
Next >
Cancel

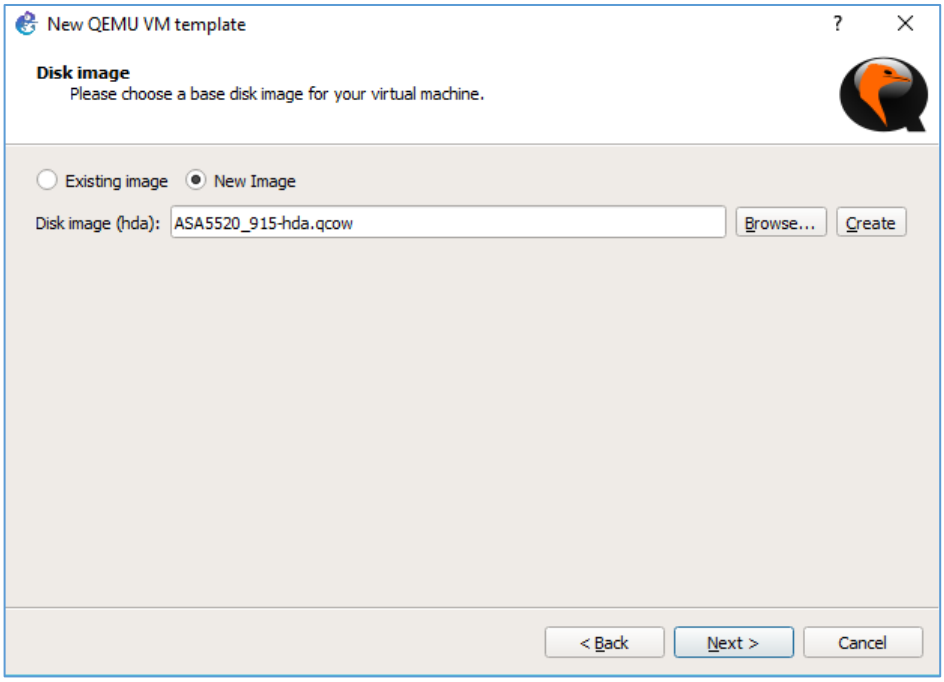

New QEMU VM template
QEMU binary and memory
Please check the Qemu binary is correctly set and the virtual machine has enough memory to work.
Qemu binary:
/usr/bin/qemu-system-x86_64 (v2.5.0)
RAM:
1024 MB
< Back
Next >
Cancel

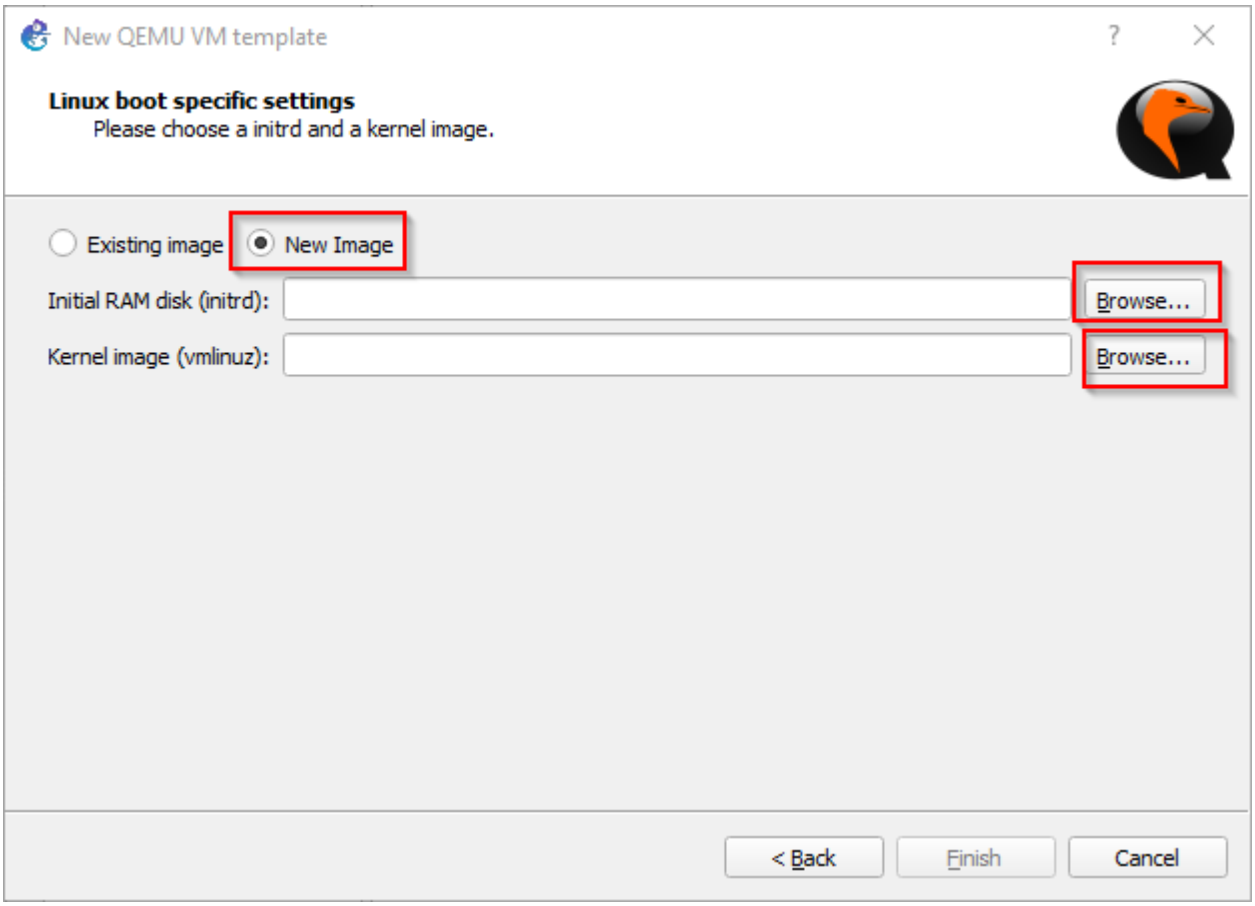

New QEMU VM template
Console type
Please choose the console type. Telnet will connect to the serial console of the machine. VNC will connect to graphical output of the machine.
telnet
Note: You don't need to install anything on the VM itself.
< Back
Next >
Cancel

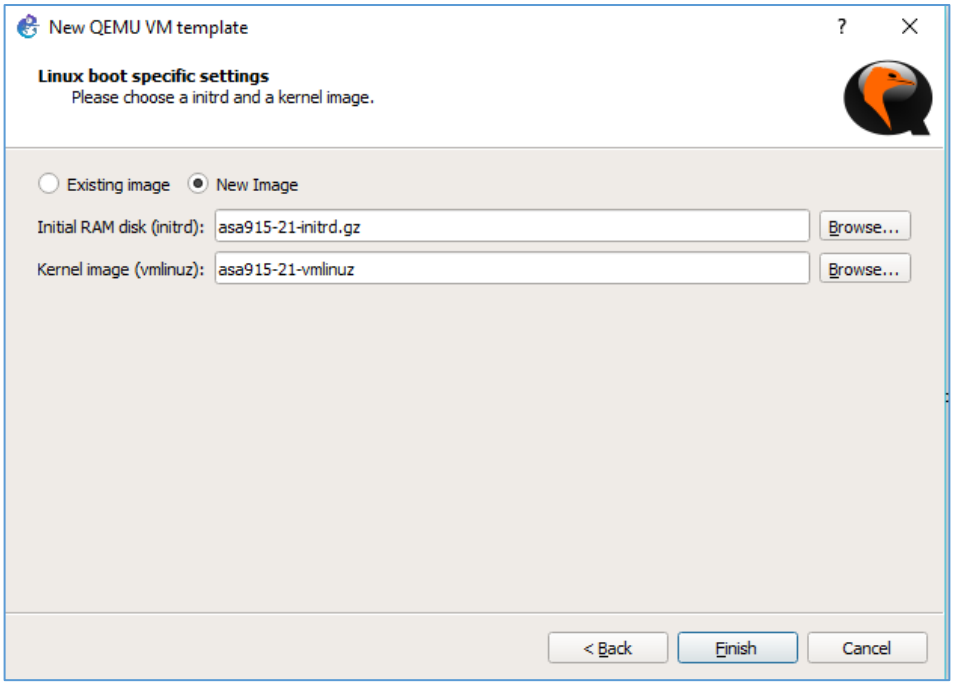

New QEMU VM template
Disk image
Please choose a base disk image for your virtual machine.
Disk image (hda):
Browse...
Create
< Back
Next >
Cancel

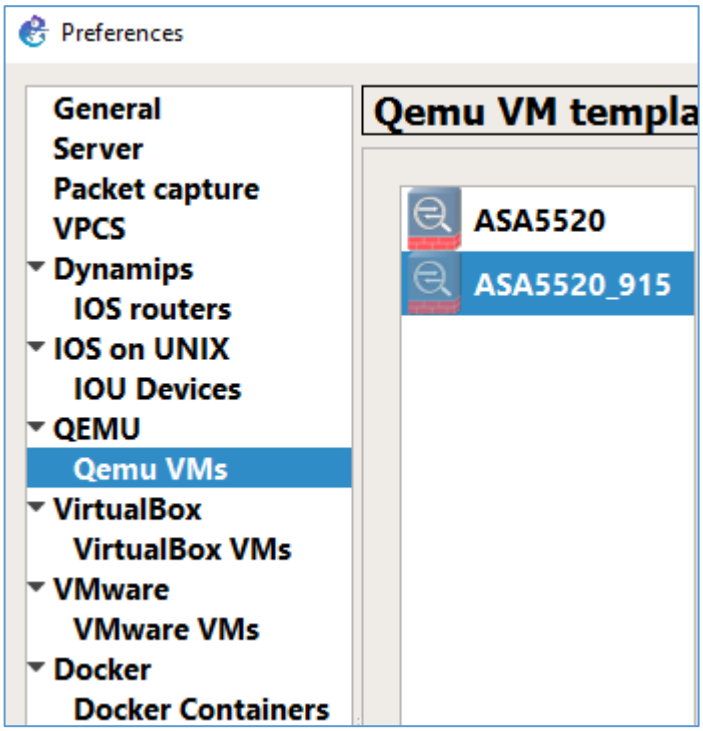

Qemu image creator
Binary and format
Please select a qemu-img binary, and the format for your new image.
Qemu-img binary:
/usr/bin/qemu-img (v2.5.0)
Image format:
Qcow2
Qcow
VHD
VDI
VMDK
Raw
< Back
Next >
Cancel


Qemu image creator
Size and location
File location:
ASA5520_915-hda.qcow
Disk size:
30,000 MiB
< Back
Finish
Cancel

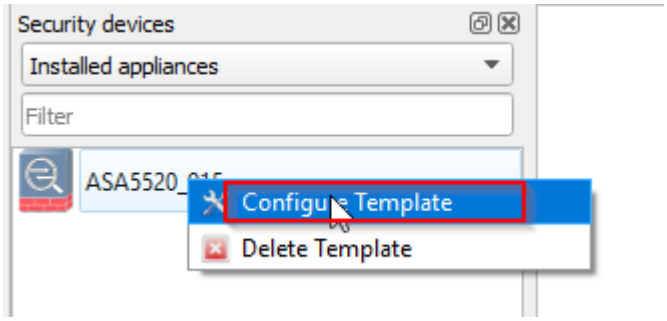

New QEMU VM template
Disk image
Please choose a base disk image for your virtual machine.
Existing image
New Image
Disk image (hda):
ASA5520_915-hda.qcow
Browse...
Create
< Back
Next >
Cancel

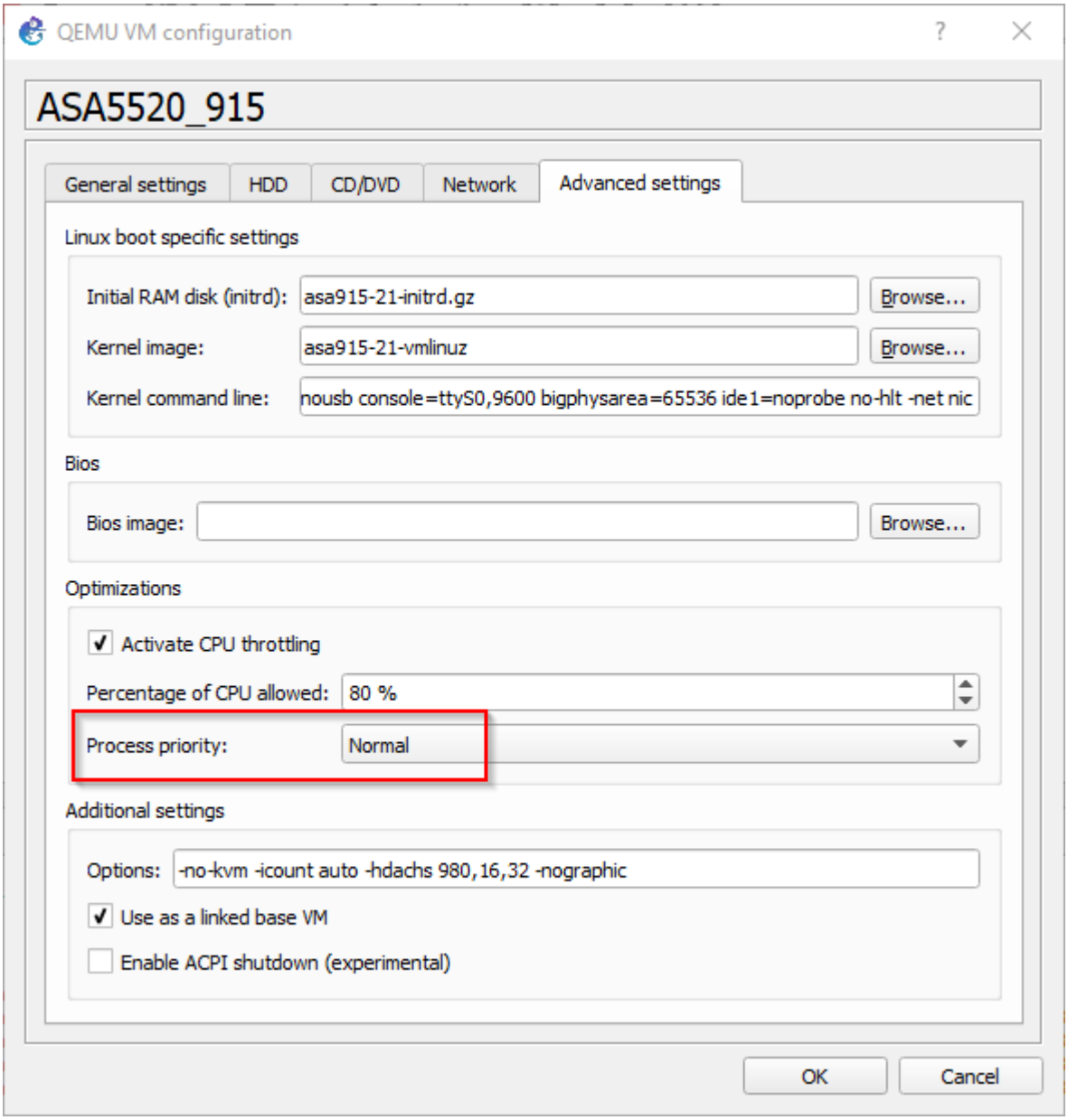

New QEMU VM template
Linux boot specific settings
Please choose a initrd and a kernel image.
Existing image
New Image
Initial RAM disk (initrd):
Browse...
Kernel image (vmlinuz):
Browse...
< Back
Finish
Cancel

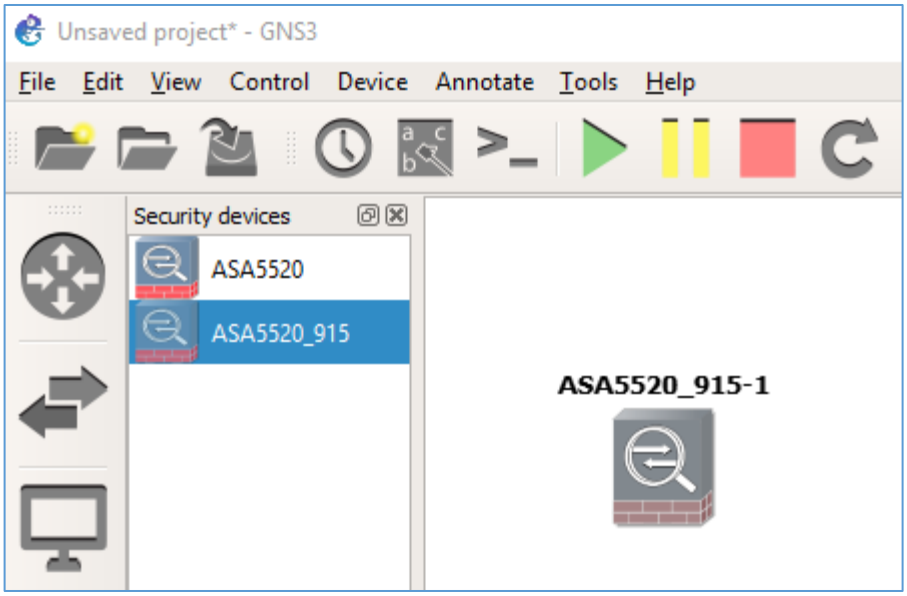

New QEMU VM template
Linux boot specific settings
Please choose a initrd and a kernel image.
Existing image
New Image
Initial RAM disk (initrd):
asa915-21-initrd.gz
Browse...
Kernel image (vmlinuz):
asa915-21-vmlinuz
Browse...
< Back
Finish
Cancel

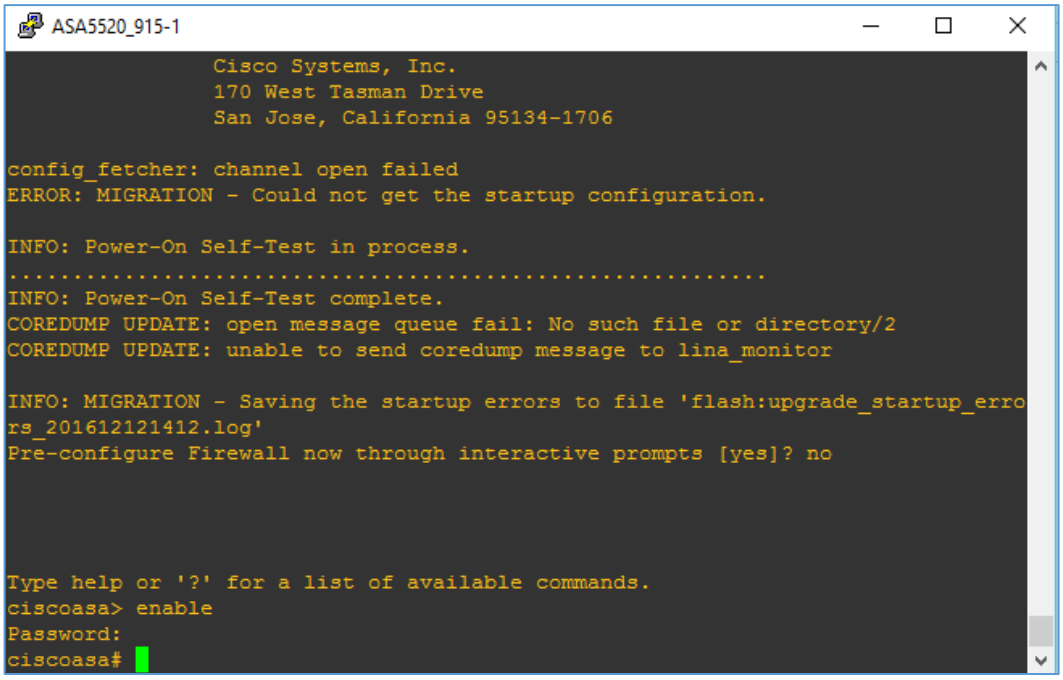

Preferences
General
Server
Packet capture
VPCS
Dynamips
IOS routers
IOS on UNIX
IOU Devices
QEMU
Qemu VMs
VirtualBox
VirtualBox VMs
VMware
VMware VMs
Docker
Docker Containers
Qemu VM templa
ASA5520
ASA5520_915

Changer la priorité à *Normal* dans le Template :



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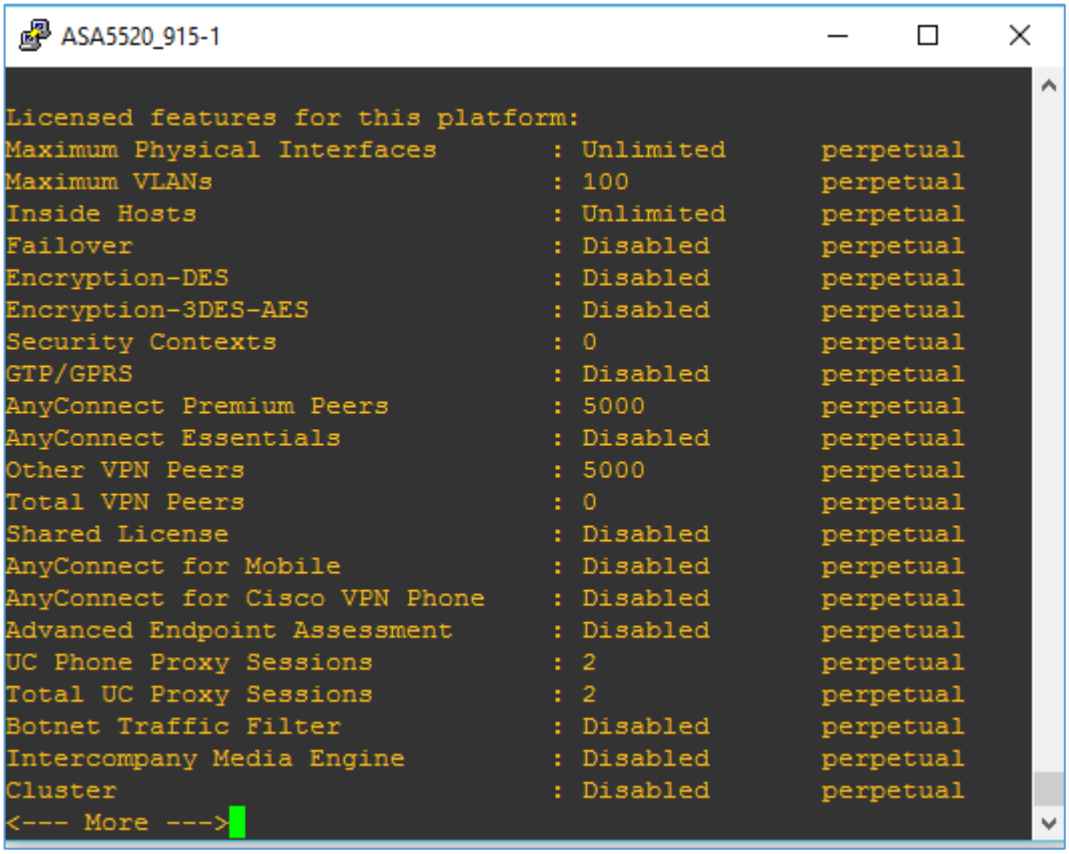
## 2 Installer une clé d'activation

Avant :

```
ciscoasa# show version
```



Installer la clé d'activation

```
ciscoasa# activation-key 0x953ac945 0x80a5a4eb 0xa1a0e4d8
0xd56484d4 0x8e14dabe

Validating activation key. This may take a few minutes...
Failed to retrieve permanent activation key.
Failover is different.
   running permanent activation key: Restricted(R)
   new permanent activation key: Unrestricted(UR)
WARNING:
The running activation key was not updated with the requested key.
Proceed with update flash activation key? [confirm]
The flash permanent activation key was updated with the requested
key,
and will become active after the next reload.
```

```
ciscoasa# reload
Proceed with reload? [confirm]
ciscoasa#

***
*** --- START GRACEFUL SHUTDOWN ---
Shutting down isakmp
Shutting down License Controller
Shutting down File system
```

Après :

```
ciscoasa# show version
```

```
Licensed features for this platform:
Maximum Physical Interfaces       : Unlimited      perpetual
Maximum VLANs                     : 100            perpetual
Inside Hosts                      : Unlimited      perpetual
Failover                          : Active/Active  perpetual
Encryption-DES                    : Enabled        perpetual
Encryption-3DES-AES               : Enabled        perpetual
Security Contexts                 : 20             perpetual
GTP/GPRS                          : Disabled       perpetual
AnyConnect Premium Peers          : 1000           perpetual
AnyConnect Essentials             : 10000          perpetual
Other VPN Peers                   : 5000           perpetual
Total VPN Peers                   : 0              perpetual
Shared License                    : Enabled        perpetual
AnyConnect for Mobile             : Enabled        perpetual
AnyConnect for Cisco VPN Phone    : Enabled        perpetual
Advanced Endpoint Assessment      : Enabled        perpetual
UC Phone Proxy Sessions           : 1000           perpetual
Total UC Proxy Sessions           : 1000           perpetual
Botnet Traffic Filter             : Enabled        perpetual
Intercompany Media Engine         : Disabled       perpetual
Cluster                           : Disabled       perpetual
```

Afficher la clé d'activation

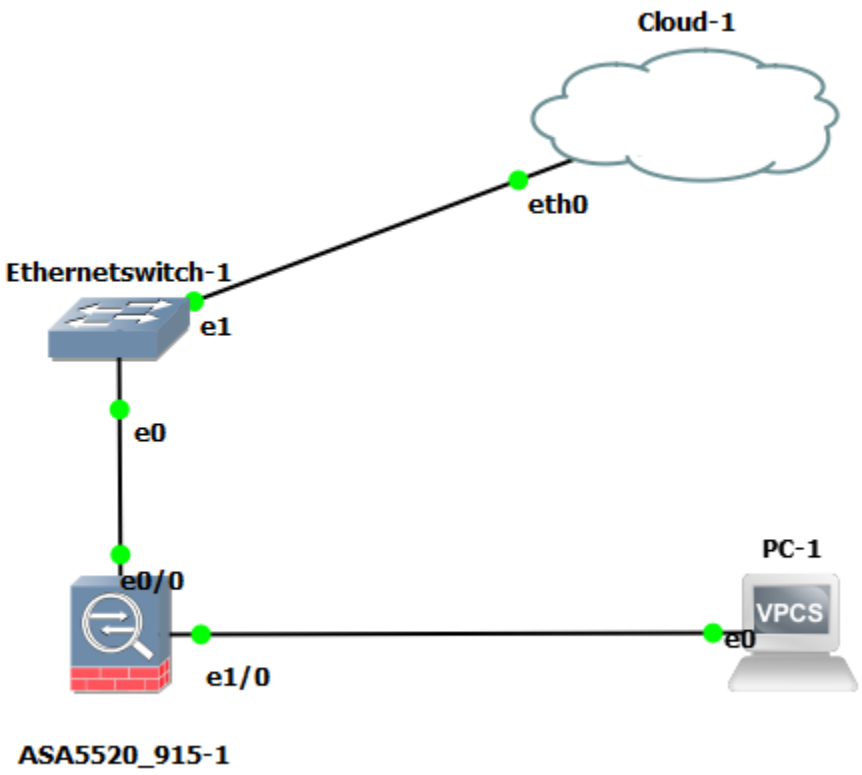
```
ciscoasa# show activation-key

Serial Number:  JHX00000000

Running Permanent Activation Key: 0x953ac945 0x80a5a4eb 0xa1a0e4d8
0xd56484d4 0x8e14dabe
```

# 3 Configuration Initiale du routeur

## 3.1 Topologie




## 3.2 Configuration

```
interface GigabitEthernet0
 nameif INSIDE
 security-level 100
 ip address dhcp

interface GigabitEthernet1
 nameif OUTSIDE
 security-level 0
 ip address 192.168.1.1 255.255.255.0

http server enable
http 192.168.137.0 255.255.255.0 INSIDE
http 192.168.124.0 255.255.255.0 INSIDE
```