

VTP Management

The instructor view



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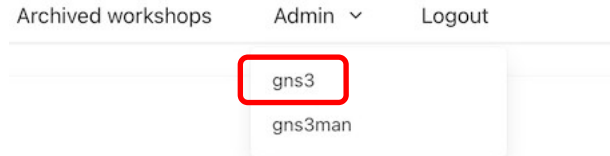


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Last updated 6th August 2026



The GNS3 Web UI



Links to `https://p3080--<container>.local.nsrc.org`



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You need to authenticate

- Browser will prompt for HTTP Basic Auth
- Get the username and password from any of these:

```
incus exec <container> -- cat /etc/gns3/gns3_server.conf
```

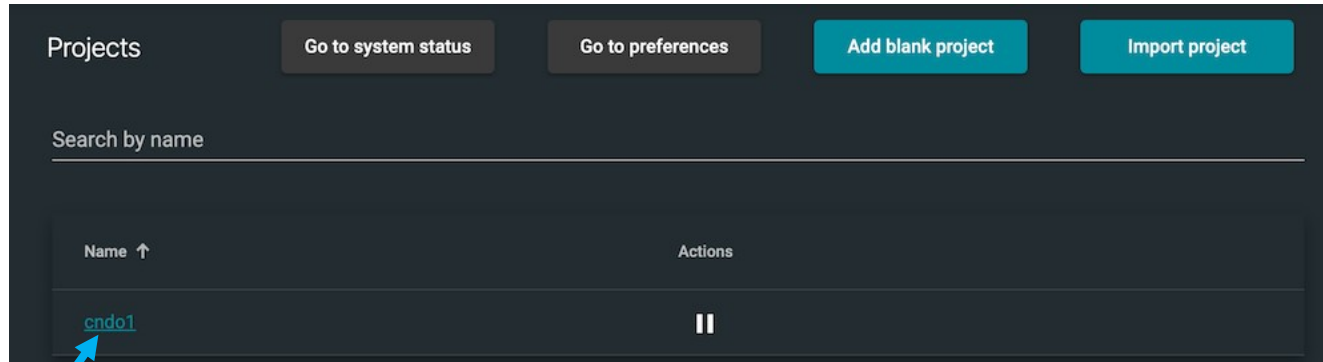
```
incus exec vtp-proxy -- cat /vtp/shared/gns3/gns3_server.conf
```

```
incus storage volume file pull default vtp-shared/gns3/gns3_server.conf -
```

- All give the same results
 - Use whichever you remember most easily!
 - The third version works even if the containers are stopped



Now you get the GNS3 web UI



Click on project to
open



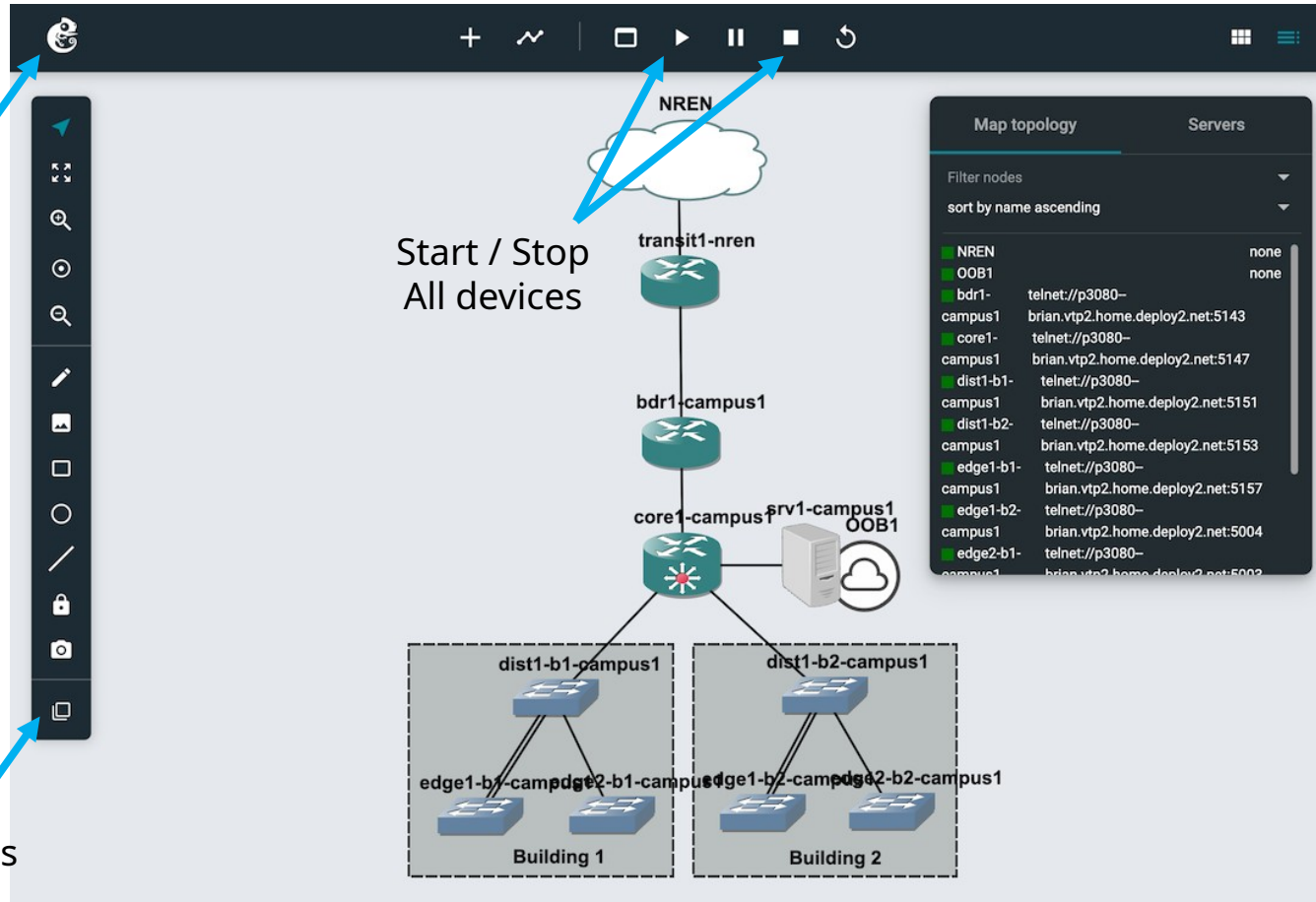
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Settings

Start / Stop
All devices

Snapshots



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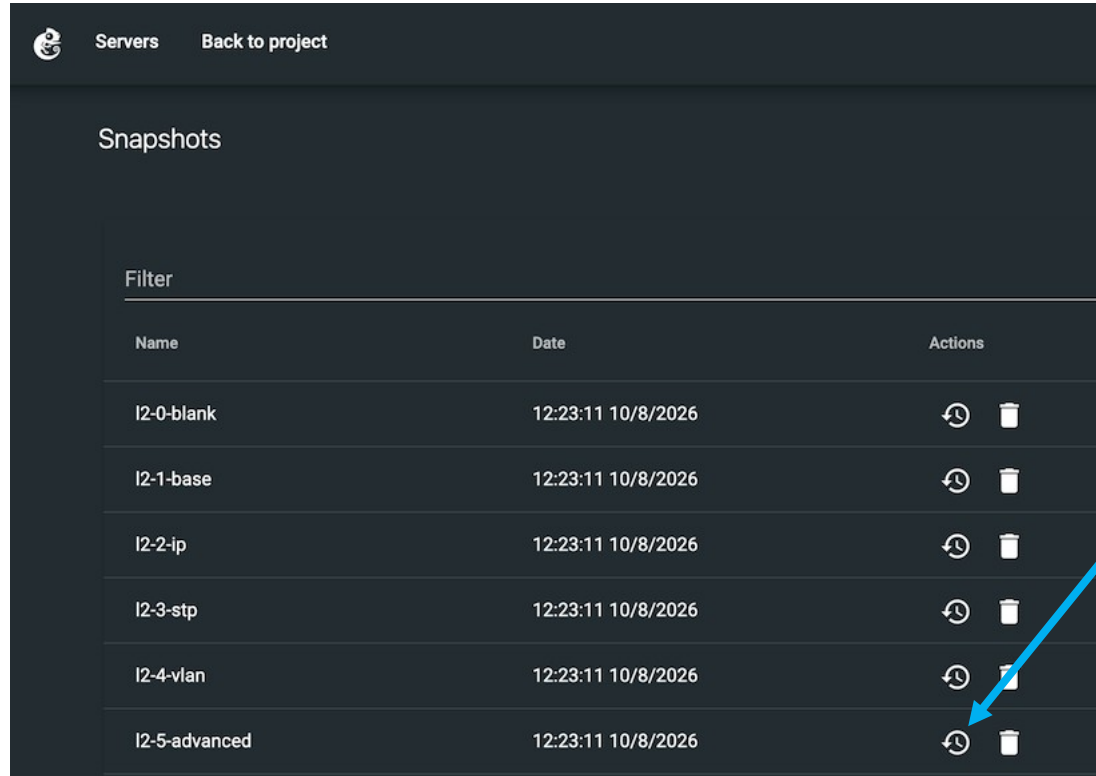


GNS3 features

- Right-click on a device to stop/start or get a console on it
 - Console is same as you could get through the student web interface
- Snapshots lets you restore the entire topology to a known state
 - Click the Snapshots button, then "Go To Snapshots", then choose a snapshot
 - This will replace *all* device configs
 - Linux servers will be returned to a fresh unconfigured state!



Snapshot restore

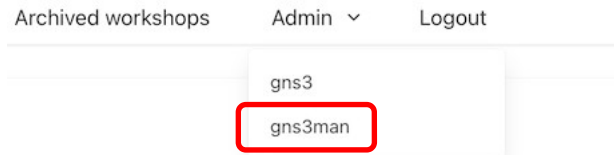


Name	Date	Actions
l2-0-blank	12:23:11 10/8/2026	 
l2-1-base	12:23:11 10/8/2026	 
l2-2-ip	12:23:11 10/8/2026	 
l2-3-stp	12:23:11 10/8/2026	 
l2-4-vlan	12:23:11 10/8/2026	 
l2-5-advanced	12:23:11 10/8/2026	 

Click to
restore this
snapshot



gns3man (NSRC's extra tool)



Links to

<https://<container>.local.nsrc.org/admin/gns3man>

Login form requires the *same* GNS3

username/password

cndo1 ▾ Select project

Reset selected devices from snapshot ▾ Restore

cndo1

☐	bdr1-campus1	started Stop Edit
☐	core1-campus1	started Stop Edit
☐	dist1-b1-campus1	started Stop Edit
☐	dist1-b2-campus1	started Stop Edit
☐	edge1-b1-campus1	started Stop Edit
☐	edge1-b2-campus1	started Stop Edit
☐	edge2-b1-campus1	started Stop Edit
☐	edge2-b2-campus1	started Stop Edit
☐	srv1-campus1	started Stop
☐	transit1-nren	started Stop Edit

[Logout](#)



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gns3man features

- Start/Stop is the same as you could do through GNS3 UI
- **Edit** will stop the device (if it's running) and then display the NVRAM contents in a web page
 - You can then edit the contents and restart the router
 - Very useful for recovering lost passwords or enable secrets!
 - Of course, student must have remembered to do "write mem"
- You can also restore an individual device (or any selection of devices) from a snapshot
 - This is something that GNS3 itself cannot do



Restore selected devices

cndo1 ▾ Select project

Reset selected devices from snapshot l2-3-stp ▾ Restore

cndo1		
☐	bdr1-campus1	started Stop Edit
☐	core1-campus1	started Stop Edit
☒	dist1-b1-campus1	started Stop Edit
☐	dist1-b2-campus1	started Stop Edit
☒	edge1-b1-campus1	started Stop Edit
☒	edge1-b2-campus1	started Stop Edit
☐	edge2-b1-campus1	started Stop Edit
☐	edge2-b2-campus1	started Stop Edit
☐	srv1-campus1	started Stop
☐	transit1-nren	started Stop Edit

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