



Automation of network configuration


```
2025-06-08 11:55:24 INFO gns3server.utils.images:163 Discovering images in '/home/eduardomj/GNS3/images/IOU'
2025-06-08 11:55:24 INFO gns3server.db.tasks:231 Monitoring for new images in '/home/eduardomj/GNS3/images'
2025-06-08 11:55:36 INFO uvicorn ('127.0.0.1', 48774) - "WebSocket /v3/notifications/ws?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbGlzImV4cCI6MTc0OTQ2MjkzM30.Z_krQ5rX8kzkmc-T2q70ocG8q9GAP-H-rqae6PI1la0" [accepted]
2025-06-08 11:55:36 INFO uvicorn connection open
2025-06-08 11:55:36 INFO gns3server.api.routes.controller:214 New client 127.0.0.1:48774 has connected to controller WebSocket
2025-06-08 11:55:36 INFO uvicorn ('127.0.0.1', 48776) - "WebSocket /v3/projects/9a8ab49a-6f61-4fa8-9089-99e6c6594e4f/notifications/ws?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbGlzImV4cCI6MTc0OTQ2MjkzM30.Z_krQ5rX8kzkmc-T2q70ocG8q9GAP-H-rqae6PI1la0" [accepted]
2025-06-08 11:55:36 INFO uvicorn connection open
2025-06-08 11:55:36 INFO root:297 New client has connected to the notification stream for project ID '9a8ab49a-6f61-4fa8-9089-99e6c6594e4f' (WebSocket method)
```

**python3 -m gns3
server --host 0.0.0.0**

gns3.tar.zst ubuntu.tar.zst

**Orbstack**

**gns3**
noble, arm64

**ubuntu**
oracular, arm64

Machines

Version 1.11.3 (19358)
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<http://127.0.0.1:3080/static/web-ui/controller/1/project/9a8ab49a-6f61-4fa8-9089-99e6c6594e4f>

API



NETMIKO

<https://github.com/ktbyers/netmiko>

Netmiko

Multi-vendor library to simplify CLI connections to network devices

GNS3

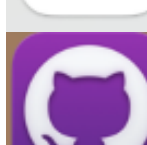

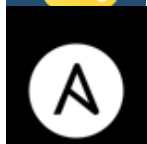

```
cd ~/gns3-server-orbstack
```

```
source venv/bin/activate
```

```
python3 scripts/create_software_company_network.py
```

GNS3 Web-UI ©2018-2025 v3.0.5

REPOSITORY PROJECT GIT



- AUTOMATION-NETWORK-USING-PYTHON-AND-AN...
- automated
 - scripts / gns3
 - __pycache__
 - ansibleconf
 - testv1
 - testv2
 - auth_diagnostic.py
 - diagnostic.py
 - generatorv1.py
 - generatorv2.py
 - network_data.yml
 - setup_gns3_infra.sh
 - verify_existing_project.py
 - working_project_manager.py
 - main.py
- doc
- drawio_schematics
- manual_network
 - CISCONETWORK
 - hardware_devices
- Project2_network_Software_Company.xlsx
- Videos_Demonstration
- README.md

ansible-playbook
playbooks/deploy_network.yml

<https://github.com/JunqueiraDevEduardo/Automation/Network-using-Python-and-Ansible.git>