

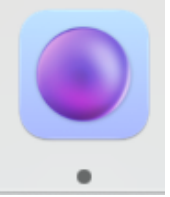



# Automation of network configuration


```
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.eyJzdWIiOiJhZG1pb2IiImV4cCI6MTc0OTQ2MjkzM30.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.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.eyJzdWIiOiJhZG1pb2IiImV4cCI6MTc0OTQ2MjkzM30.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

**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**

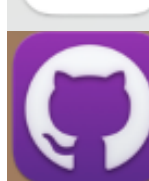



```
cd ~/gns3-server-orbstack
```

```
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>