
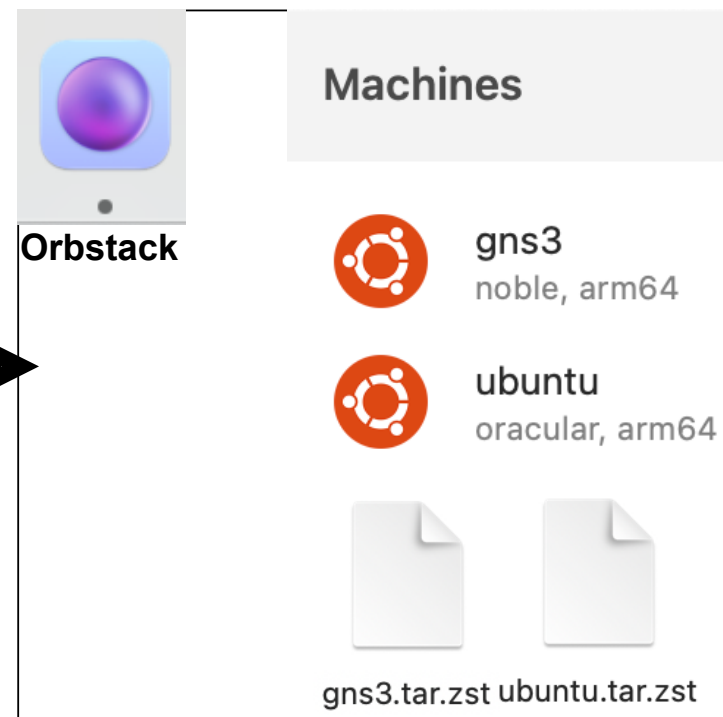


# Automation of network configuration

```
>
2025-06-08 11:55:24 INFO gns3server.utils.images:163 Discovering images in '/home/eduardomj/GNS3/images/IO
U'
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=eyJ0eXAiOiJKV
1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbiIsImV4cCI6MTc0OTQ2MjkzM30.Z_krQ5rX8kzkmc-T2q70ocG8q9GAP-H-rqae6PI
lla0" [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 con
nected to controller WebSocket
2025-06-08 11:55:36 INFO uvicorn ('127.0.0.1', 48776) - "WebSocket /v3/projects/9a8ab49a-6f61-4fa8-9089-99e
6c6594e4f/notifications/ws?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhZG1pbiIsImV4cCI6MTc0OTQ2M
jkzM30.Z_krQ5rX8kzkmc-T2q70ocG8q9GAP-H-rqae6PIlla0" [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 '9a8ab
49a-6f61-4fa8-9089-99e6c6594e4f' (WebSocket method)
```




**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
python3 -m gns3server --host 0.0.0.0
```

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



```

├── automated
├── ansible
│   ├── inventories
│   │   ├── production
│   │   └── testing
│   ├── inventory.ini
│   ├── playbooks
│   ├── roles
│   │   ├── pc_conf
│   │   ├── router_conf
│   │   ├── server_conf
│   │   └── switch_conf
│   ├── templates
│   └── ansible.cfg
├── config
│   ├── ! configure_network.yml
│   ├── ! device_templates.yml
│   └── ! vlan_config.yml
├── scripts
├── gns3
│   ├── build_gns3_topology_example.py
│   ├── build_gns3_topology.py
│   ├── $ setup_gns3_infra.sh
│   ├── verify_existing_project.py
│   └── main.py
└── doc
    ├── MethodologyTheoretical.drawio.pdf
    ├── Projeto 2 Deliverable Report.docx
    ├── drawio
    │   ├── Diagramasprojeto2.drawio
    │   ├── OldDiagram.drawio
    │   ├── TopologyOverallPracticalPart.drawio
    │   └── TopologyOverallPracticalPart.drawio...
    ├── manual
    │   ├── cpt_images
    │   └── hardware
    ├── Project2_network_Software_Comp...
    └── Project2_network_Software_Comp...
```