

NETWORK AUTOMATION IN PYTHON

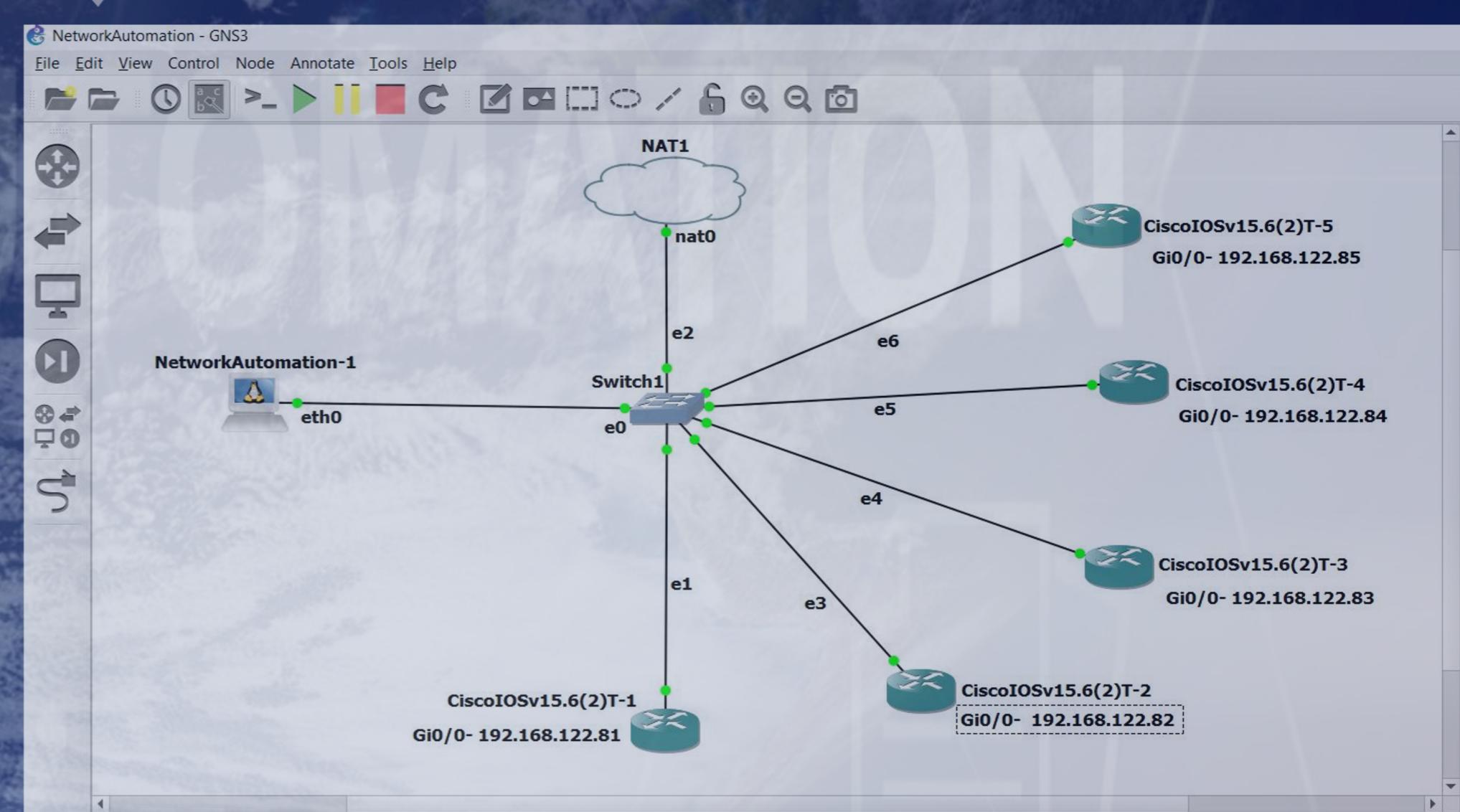
By Kashish Priya

The Project automates GNS3 Simulated Network topology with Python's Netmiko and Paramiko libraries . The configuration of routers interfaces and their status checks are being performed using Netmiko (basic and templatized version).



CONFIGURATION

- ❖ Router Configuration
- ❖ IP Allocation
- ❖ Routing
- ❖ Remote Access

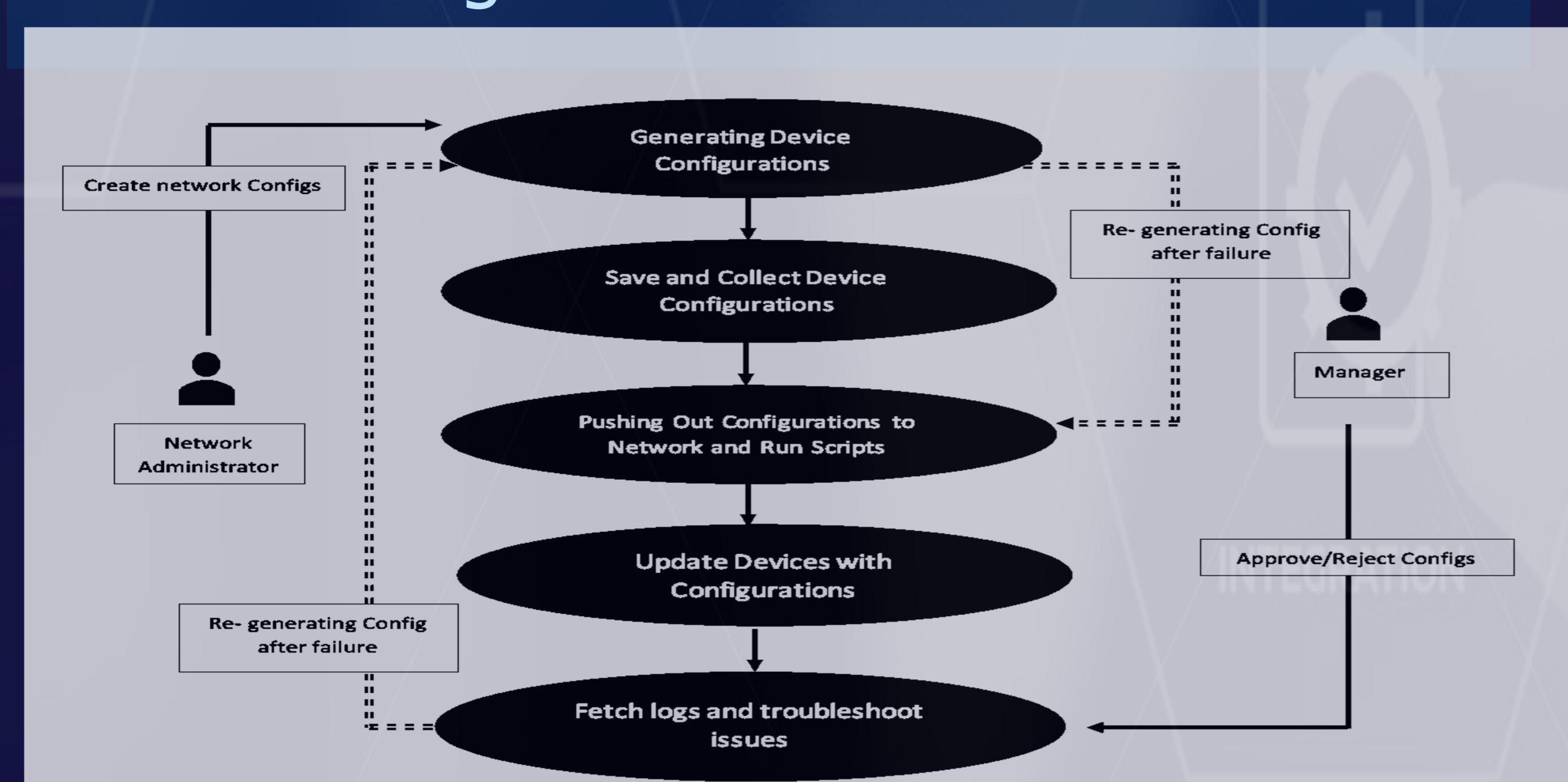


DEVELOPMENT

- ❖ Coding & Scripting
- ❖ Generate Configurations
- ❖ Logging
- ❖ Run Configurations

VALIDATION & VERIFICATION

- ❖ Monitoring
- ❖ Debugging
- ❖ Analysis
- ❖ Committing



PROJECT USECASE

Supervisor: Neil Benson