
Smart Network Management Documentation

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CHAPTER 1

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1.1 &&

1.2

eNMS designed to help automate networks. While network automation traditionally requires scripting skills, eNMS provides a way to automate networks **graphically**. It encompasses the following aspects of network automation:

- **Configuration management:** commit/rollback of a configuration via NAPALM.
- **Netmiko scripting:** using netmiko to push a configuration, or display the result of a set of commands.
- **Ansible support:** sending and managing ansible playbooks.
- **Workflows:** all scripts can be organized in workflows (conditional graph of scripts executed in a specific order).
- **Scheduling:** any script/workflow can be scheduled to run at a specific time, periodically or not.

2.1 Design philosophy

eNMS provides a way to automate networks **graphically**, in a few simple steps:

1. Creation of the network (e.g by importing a spreadsheet describing the network topology).
2. Creation of the scripts and workflows.
3. Visualization of the network on a world map, or via a force-based algorithm.
4. Selection of the target devices graphically, and scheduling of the script/workflow.

2.2 Application stack

3.1 eNMS ?

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3.1.2 Application stack