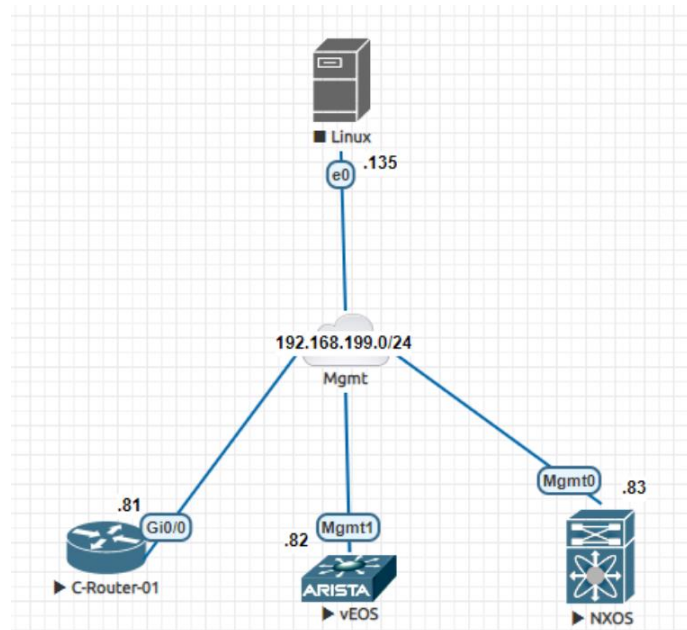


Network Device Configuration Management with Oxidized

Network Device Configuration Management

- The problem
 - Many devices
 - Lots of different types of devices
 - Different people making changes on these devices at different times
 - Human error
 - These devices have critical operational and security implications



The Necessity

- New system that doesn't have these problems
- Automatic detection, recording, and reporting of changes
- Support for a variety of vendors' equipment
- Less expensive

Popular available solutions

- Solarwinds Network Configuration Manager (NCM) - commercial
- RANCID (Really Awesome New Cisco conflg Differ) – not currently in active development
- rConfig – older version is open source, but newer is commercial
- Oxidized – newer version is open source, active development

Chosen solution - Oxidized

- Newer (first released 2013) open-source alternative to RANCID
- Oxidized official Github repository

<https://github.com/ytti/oxidized#configuration>

- Light and extensible, Oxidized supports over 130 operating system types

<https://github.com/ytti/oxidized/blob/master/docs/Supported-OS-Types.md>

- Supports multiple installation environments
- Supports multiple sources and outputs
- REST APIs

Integrated with LibreNMS

- Oxidized is the backend worker that collects and stores all configuration changes.
- But we need a user-friendly tool to interact with that information.
- So, integrated with LibreNMS to have GUI based interaction with Oxidized.

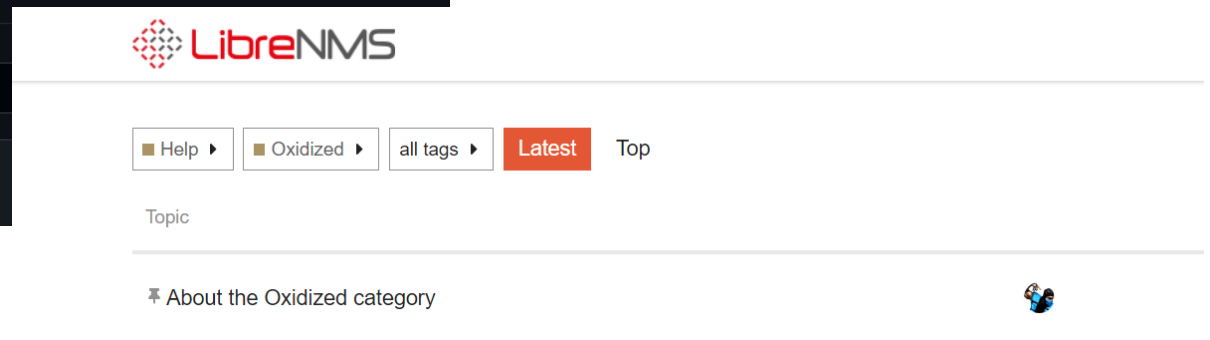
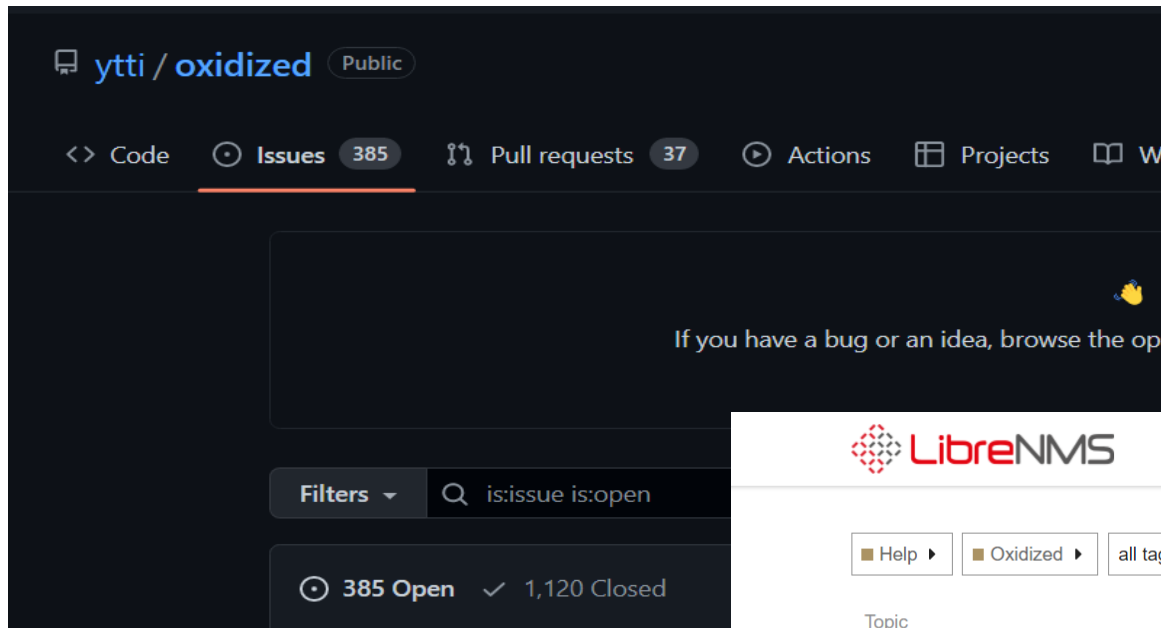
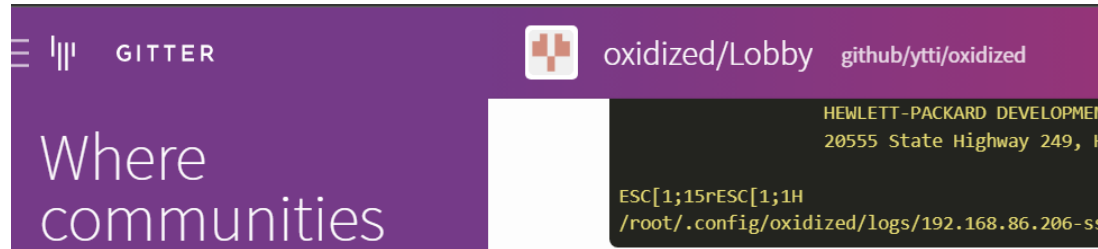


- For LibreNMS installation
<https://ws.learn.ac.lk/wiki/NSM2021/Agenda/Librenms>

Need Help ?

- Support channels

- [Gitter](#)
- [Github Issues](#)
- [LibreNMS Forum](#)



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Thank You