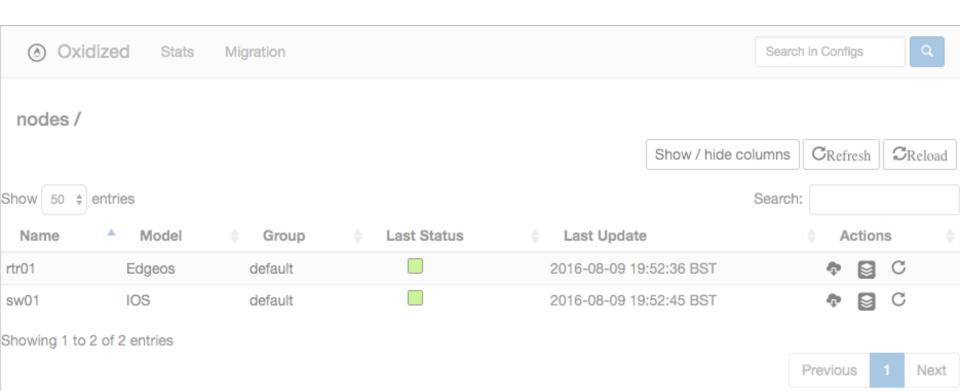# Oxidized

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What is it?

- Oxidized is a network device configuration backup tool.
- It's a RANCID replacement.

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Features

- Restful API

- Multi vendor support

- Feed data from CSV, SQLite, HTTP and router.db

- Store data in flat file, git or post to HTTP

- Supports SSH Proxy

- Simple WebUI

Hooks

- Events supported: node_success, node_fail, post_store

- Supports exec or githubrepo

- Githubrepo will push config to…….

- Exec allows runnning arbitrary shell / binary

- As an example:

```
hooks:
  name_for_example_hook1:
    type: exec
    events: [node_success]
    cmd: 'echo "Node success
$OX_NODE_NAME" >> /tmp/
ox_node_success.log'
```

OXS

- Cli tool to run commands directly on devices

- Be careful about the privs the user has

- Includes a library so you can build your own tools

How have we used it?

- Completely replaced RANCID

- Push all config changes to GitLab

- Force config backup on change

- Wrapped up inside custom software for automation

In closing

- Actively developed and supported

- Welcoming of 3rd party contributions

- Extremely flexible