

OliveTin Linux Shell Web Interface

OliveTin

OliveTin is a web interface for running Linux shell commands.

 project logo

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Some example **use cases**;

1. Give controlled access to run shell commands to less technical folks who cannot be trusted with SSH. I use this so my family can `podman restart plex` without asking me, and without giving them shell access!
2. Great for home automation tablets stuck on walls around your house - I use this to turn Hue lights on and off for example.
3. Sometimes SSH access isn't possible to a server, or you are feeling too lazy to type a long command you run regularly! I use this to send Wake on Lan commands to servers around my house.

[Join the community on Discord.](#)

YouTube video demo (6 mins)

[6 minute demo video](#)

Features

- **Responsive, touch-friendly UI** - great for tablets and mobile
- **Super simple config in YAML** - because if it's not YAML now-a-days, it's not "cloud native" :-)

- **Dark mode** - for those of you that roll that way.
- **Accessible** - passes all the accessibility checks in Firefox, and issues with accessibility are taken seriously.
- **Container** - available for quickly testing and getting it up and running, great for the selfhosted community.
- **Integrate with anything** - OliveTin just runs Linux shell commands, so theoretically you could integrate with a bunch of stuff just by using curl, ping, etc. However, writing your own shell scripts is a great way to extend OliveTin.
- **Lightweight on resources** - uses only a few MB of RAM and barely any CPU. Written in Go, with a web interface written as a modern, responsive, Single Page App that uses the REST/gRPC API.
- **Good amount of unit tests and style checks** - helps potential contributors be consistent, and helps with maintainability.

Screenshots

Desktop web browser;

Desktop screenshot
Image too small to type unknown

Desktop web browser (dark mode);

Desktop screenshot
Image too small to type unknown

Mobile screen size (responsive layout);

Mobile screenshot
Image too small to type unknown

Documentation

All documentation can be found at <http://docs.olivetin.app> . This includes installation and usage guide, etc.

Quickstart reference for `config.yaml`

This is a quick example of `config.yaml` - but again, lots of documentation for how to write your `config.yaml` can be found at [the documentation site](#).

Put this `config.yaml` in `/etc/OliveTin/` if you're running a standard service, or mount it at `/config` if running in a container.

```
# Listen on all addresses available, port 1337
listenAddressSingleHTTPFrontend: 0.0.0.0:1337

# Choose from INFO (default), WARN and DEBUG
LogLevel: "INFO"

# Actions (buttons) to show up on the WebUI:
actions:
  # Docs: https://docs.olivetin.app/action-container-control.html
  - title: Restart Plex
    icon: smile
    shell: docker restart plex

  # This will send 1 ping
  # Docs: https://docs.olivetin.app/action-ping.html
  - title: Ping Google.com
    shell: ping google.com -c 1

  # Restart lightdm on host "overseer"
  # Docs: https://docs.olivetin.app/action-ssh.html
  - title: restart lightdm
    icon: poop
    shell: ssh root@overseer 'service lightdm restart'
```

A full example config can be found at in this repository - [config.yaml](#).

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