

Using Liquidsoap...



and Showergel



Disclaimer 🚧

This is an early presentation !



I had the idea last September after discovering Liquidsoap

It started in a community radio 📻

💿 Some 1000s music tracks

🎙️ 10 to 50 shows weekly (live or not)

📡 A studio with a few computers



This is the story of
moving from Rivendell

to 📁 + 🍷

Community radios are all the same



They like simplicity

On average, one person knows about broadcast automation

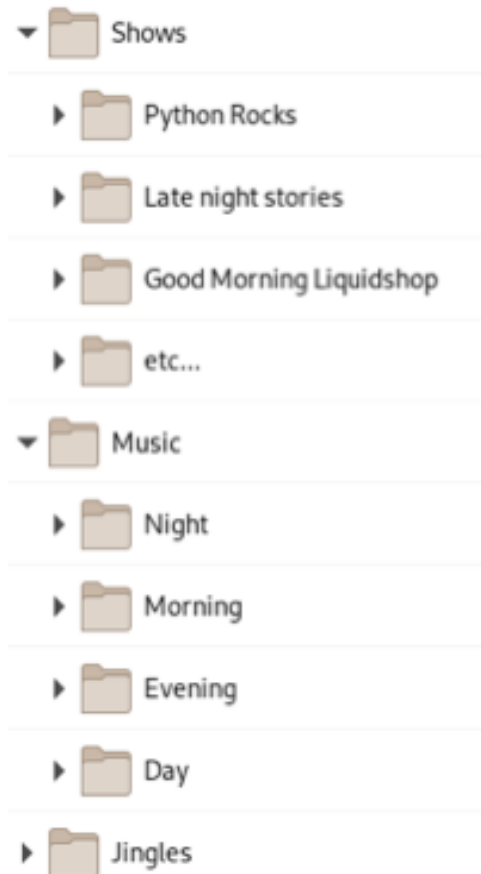
They like free software

As in free beer and/or freedom

They *need* simplicity


What's simple ?

Files and folders !



Yay, Liquidsoap !



 Install « anywhere »

 Easy backup

 Free

 Flexible



(Back to this on today's final workshop)

Liquidsoap does not...

 Daemonize your script

 Log metadata

 Schedule telnet commands (inspired from liquidsoap)

 Differentiate harbor users

 Have buttons !

 Showergel does (or will)

Showergel principles

Simplicity and modularity

 Plug only what you need

 Only files (SQLite)

 One Python process per Liquidsoap stream

Showergel will

 *Not* provide a music library (maybe see [Beets](#))

 Have you edit the Liquidsoap script

Get started

Version 0.1.0 is on PyPI

```
pip install showergel
showergel_install
[answer questions..., point to radio.liq]

systemctl --user start radio_gel
systemctl --user start radio_soap
```

.liq integration

Metadata log

```
def post_to_showergel(metadata)
  ignore(http.post(
    headers=[("Content-Type", "application/json")],
    "http://localhost:2345/metadata_log",
    data=json_of(metadata)
  ))
end

radio = on_metadata(post_to_showergel, source)
```

.liq integration

Harbor authentication

```
def showergel_auth(user, password) =
  response = string_of(http.post(
    headers=[("Content-Type", "application/json")],
    "http://localhost:2345/login",
    data=json_of([
      ("username", user), ("password", password)
    ])
  ))
  if string.contains(
    prefix="(\\\"HTTP/1.0\\\", 200, \\\"OK\\\"),",
    response) then
    log("Access granted to #{user}")
    true
  else
    log("Access denied to #{user}")
    false
  end
end
live = input.harbor(
  auth=showergel_auth,
  port=8008,
  "live"
)
```

.liq integration

Scheduler (soon in 0.3.0)

Just activate Liquidsoap's telnet server

```
set("server.telnet", true)  
set("server.telnet.bind_addr", "127.0.0.1")
```

In v0.1.0 you'll have to curl your way to showergel

ಽ_(ツ)_/

What's next ?

0.2.0

✨ Interface

📦 Package with `getting_started.liq`

0.3.0

📅 Scheduler integration

👷 First fixes, maybe

And on

📄+ 🧴 automatic installation

Questions

 What do you think ?

 Where goes the documentation ?

 [GH/martinkirch/showergel](https://github.com/martinkirch/showergel)

 [@martin_kirch](https://twitter.com/martin_kirch)