

Turbozone.org

Ruff Cutz Radio

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Agenda

- Share Message: <https://turbozone.org> – Ruff Cutz Radio
- Offer Ideas regarding Alternative Music Distribution
- Learn & Explore Other Technologies / Models
- Thank You to Developers!

Turbozone.org - History & Context

- Ruff Cutz Ethical Music Collective
 - Band & Collective
 - Practice Space
 - New Orleans, LA
- Sharing MP3 Files
 - Distribution
 - Easy to Access
 - Works-in-Progress
- Radio Station Creation
 - Continuous
 - Randomized
 - Contextualization

Turbozone.org - Infrastructure

- Liquidsoap
 - Songs
 - Bumpers
 - Shows
- Digital Ocean
 - HTTP Server (Apache, turbozone.org website)
 - Icecast
 - Liquidsoap

```
bumpers = playlist(mode="randomize",
    reload=1, reload_mode="watch",
    "/home/ruffcutter/ruffcutz/bumpers/")

tracks = playlist(mode="randomize",
    reload=1, reload_mode="watch",
    "/home/ruffcutter/ruffcutz/tracks/")

radio = rotate([bumpers, tracks])

sundayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),
mondayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),
tuesdayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),
wednesdayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),
thursdayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),
fridayStream = switch([ ({0h - 0h45m}, ralphShows), ({0h45m - 17h}, radio),
saturdayStream = switch([ ({0h - 17h}, radio), ({17h - 17h45m}, jpShows),

stream = switch([ ({0w}, sundayStream),
    ({1w}, mondayStream),
    ({2w}, tuesdayStream),
    ({3w}, wednesdayStream),
    ({4w}, thursdayStream),
    ({5w}, fridayStream),
    ({6w}, saturdayStream) ])

output.icecast(%mp3,
    host = "localhost", port = 8000,
```

“Radio Station As Artifact” - Alternative Distribution

- No Commitment to Release
- Extensibility
 - More Commercials
 - More Artists
 - Shows
 - Live Broadcasts
- Synchronous & Communal Listening
- Licensing Issues avoided by using Own Work

“Radio Station As Artifact” - Alternative Distribution

- WWOZ Local Model
 - Community!
 - Local Performance Information
 - Listener & Artist Focus
- Prior Art
 - Queens of the Stone Age - Songs for the Deaf
 - Other Examples:
https://www.reddit.com/r/LetsTalkMusic/comments/apfvk9/albums_that_imitate_or_include_radio_broadcast/
- Infrastructure as Art / “Medium Is the Message”
 - <http://myfreedownloads.info>

Turbozone.org - Room for Growth

- Modernization
 - HLS
 - Storage
 - Hardening
- Licensing Concerns
- Additional Shows
- Additional Artists
- Live Broadcast/Performance
- TV? 90s/00s-era MTV
- App for consumption
- Community Building

Additional Thoughts & Personal Interest

- Using FCC Part 15 FM Transmitter for “FM Frequency”
 - Rolls HR70
 - <https://www.rolls.com/product/HR70>
 - Hyperlocal FM signal, global IP signal
- Using Liquidsoap to Deploy Emergency Messaging
- Purpose Built-Devices
 - Boss Guitar Pedal
 - Raspberry-Pi
- Piano & Guitar Capture
- “What kind of fun am I interested in having, and how does this technology support this?”
- School FM

Thank You!

- Developers
- Presenters
- Colleagues & Friends
- Listeners