

Datafruits.fm

**a (international) community
built around internet radio**



me

- Web development, DJing, music, etc
- From US
- Lived in Japan for 5 years
- Currently in South Korea

On most of the things as @freedrull

[mcfiredrill]: what is a DJ if they don't chunk it every once in awhile



I wrote a book about liquidsoap once..

(out of date by now)



Why radio

Loved the style of UK bass music pirate radio, wanted to imitate it online

Wanted to showcase japanese netlabels like maltine



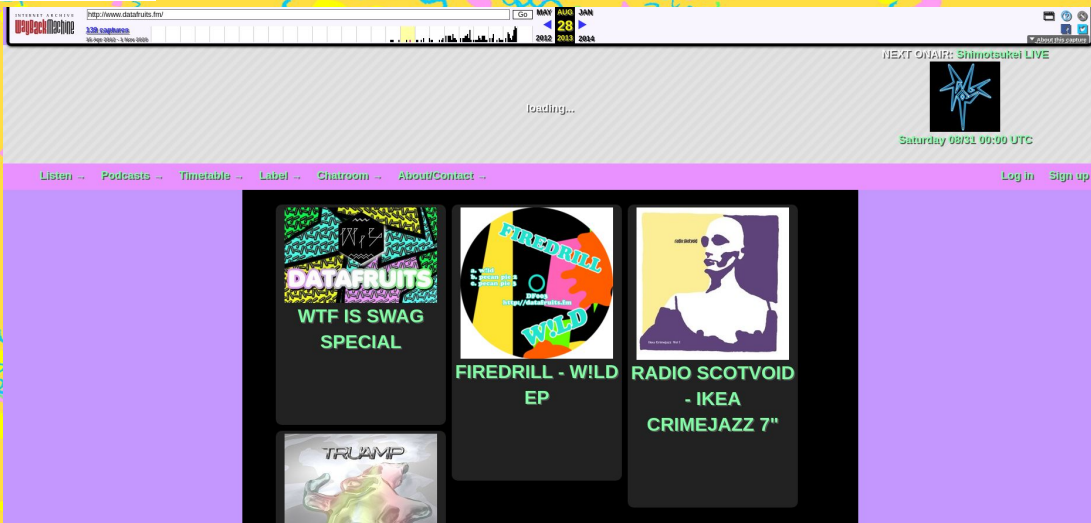
First versions of the site

Started in late 2011/early 2012

Just used icecast at first

Wanted more automation, more control

Enter liquidsoap!





Rewrote frontend in as SPA (ember.js)

Podcasts → Timetable → Label →

datafruits.fm

tony tony
tony hi
tony whatsup
wonky Joined the chat 🎤
wonky tune 🎵
wonky 🍔

tony
wonky

:sunglasses: Send

Now playing: *California Games - California Games - VR Club - July 6, 2014* Next live on air:

START VJING START VJING



What it looks like today

Radio Chat Label About Blog Shop Subscribe **datafruits.fm**

18:55:27 shaku left the chat 🗨️
18:55:32 shaku joined the chat 👤
18:55:53 shaku left the chat 🗨️
18:55:58 shaku joined the chat 👤
18:57:23 shaku damn this song slaps
18:58:15 synkretic this set has been some seamless techno bangers
18:58:20 shaku nice
18:58:24 shaku another techno enthusiast
18:58:25 synkretic shit that makes you forget about time passing
18:58:39 synkretic transient
19:00:04 chat joined the chat 👤
19:00:12 shaku hi chat
19:00:42 synkretic it aint df chat without chat
19:00:49 amateurwaifu YUSUS
19:01:06 sharked_up joined the chat 👤
19:01:10 synkretic the gutter viz have begun

enter your message here...

Images are on

[🗨️ oaths]: he had square pants, you know...

LIVE -- *princess_alienood* theme locale

github.com/datafruits/datafruits

라디오  채팅 레이블 우리에게 관하여 블로그 샵 구독하기
DJs 팟캐스트 타임 테이블 DJ문의

datafruits.fm

09:30:50 freedrull joined the chat 

tchan
freedrull

여기에 당신의 메시지를 입력하십시오...

송신 GIF

Images are on

DONATE

국어 ▾

- 18:20:41 dotay oh weird
- 18:20:47 dotay Im always chrome
- 18:20:53 dotay it could be acache thing
- 18:20:59 dotay blahhh
- 18:21:05 dotay all good firefizz
- 18:21:28 Moxie Chrome always worked with visuals before, just not today. Compruterz
- 18:21:39 Moxie i'll test on Opera too!
- 09:22:07 OperCheck joined the chat
- 18:22:18 OperCheck Opera also works :)
- 09:22:20 OperCheck left the chat
- 18:23:21 Moxie Windows explorer from win7 does not :P
- 18:23:26 Moxie so much learn
- 09:28:28 jellicacaca joined the chat
- 18:28:36 dotay yoooo
- 18:28:38 jellicacaca morning
- 18:32:51 dotay ambient jungle all about it
- 18:35:53 jellicacaca who was that again please?
- 18:36:06 dotay THUGWIDOW
- 18:36:11 jellicacaca yeah ambient jungle is nice. found a great youtube channel with lots of it
- 18:36:47 jellicacaca https://www.youtube.com/channel/UCAw0Nyc_6y-se4zcQGbEgHA
- 18:40:02 jellicacaca all of the 90s
- 18:41:00 Moxie What's gumbys horses name again? Is it Pokey?
- 18:43:47 dotay yup pokey
- 18:43:56 dotay and thanks jelli will check for sure
- 18:44:54 Moxie Nice to know I can still remember some stuff
- 09:46:18 mcfiredrill gumby yessssssssss
- 09:46:19 mcfiredrill :grumby:
- 09:49:48 mcfiredrill liittt track
- 09:51:08 oak.dmg joined the chat



- dotay
- teenageremoquets
- kimby
- Moxie
- jellicacaca
- oak.dmg

enter your message here...

Send GIF Images are on



our liquidsoap setup

- Dj harbor input (auth'ed by hitting our API)
- Fallback to default playlist
- Output processed with stereo_tool
- Dj harbor input saved with output.file
- telnet/socket control to skip tracks/boot users etc
- Output to icecast (mp3/ogg) and a relay

<https://github.com/datafruits/radio>



How we recruited DJs

- Started out just asking my friends
- Emailed some DJs I liked to ask about guest mixes
- Now there is an application form, responses are sent to our chat room automatically and the community decides as a group who to approve

Shows

Good morning datafruits - italo

Terrible tuesday - electro/juke

Club trash - club music

Boogie idol - world music/jazz/fusion/jpop


City hunter - city pop/jazz



Streampusher

(yet another) radio management backend



 LIVE - Fengir's Key 08-27-2016 12:23:36 JST LIVE [mcfiredrill](#)

- Dashboard
- Users
- Schedule
- Stats
- Media
- Podcasts
- VJ
- Radio Settings

Next

Stream Title

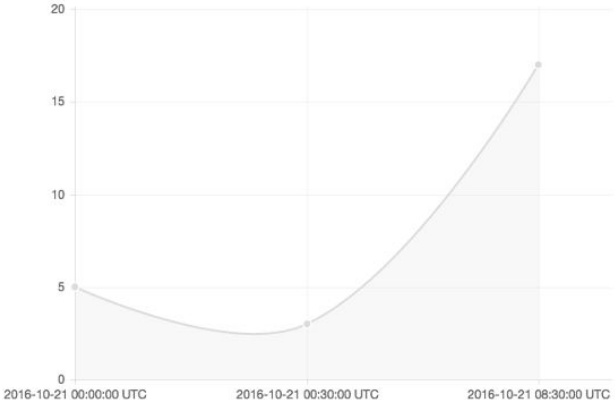
Listeners

1

Peak:

Upcoming Show

Good Morning Datafruits w/ @ovenrake
2016-10-26 09:00:00 +0900 - 2016-10-26 11:00:00 +0900
[Funky] Freaky Funky Freestyle LifeStyle [Funky]



Time (UTC)	Listeners
2016-10-21 00:00:00	5
2016-10-21 00:30:00	3
2016-10-21 08:30:00	17

[Blog](#) [Privacy Policy](#) [Terms of Service](#)



Add show

< > today

May 2017

month week day

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30 9:30a VR Club w/ VsNickers	1	2	3	4	5 10a Internet Museum 4a wgn's Sweettooth Session 12p MMAINFRAME 2p MMAINFRAME	6
7	8	9	10	11 10a Internet Museum	12 12p MMAINFRAME 2p MMAINFRAME	13
14 3p gearsftt / emma 5p FLAT402 - DAY2 10p FLAT402 - DAY1	15	16	17 10:30p Good morning datafruit	18 10a Internet Museum	19 4a SALINGER 12p MMAINFRAME 2p firedrill's essential fruits gae	20
21	22	23	24 9a softserve	25 10a Internet Museum	26 12p MMAINFRAME 2p MMAINFRAME	27
28 5a fenglr's key	29 9p pop'n ♥♥♥♥	30 10a pop'n ♥♥♥♥ 11a pop'n ♥♥♥♥	31	1 10a Internet Museum	2 12p MMAINFRAME 2p MMAINFRAME	3
4	5	6	7	8 4a NYC MANSION presents ??? 10a Internet Museum	9 12p MMAINFRAME 2p MMAINFRAME	10

Media Library



+Add

firedrill's essential fruits show - guest mi...				
hpcdude - mmainframe - 05-20-2017				
salinger - 05202017				
ovenrake - good morning datafruits - 051...				
underd0g - flat402 - 05142017				
emma - flat402 - 05142017				

You are currently using 18.1 GB of storage.

Playlists

podcasts ▾

Playlist Settings

+New Playlist

firedrill's essential fruits show - guest mix aspara - 05202017		
hpcdude - mmainframe - 05-20-2017		
salinger - 05202017		
ovenrake - good morning datafruits - 05172017		
underd0g - flat402 - 05142017		
emma - flat402 - 05142017		
printgocco - flat402 - 05142017		
poolwater - flat402 - 05142017		

Start my own saas, then i can finance the radio!

Or not...

- More difficult than I anticipated for one person
- Maybe not the kind of work I really wanted to do ?



PHP CEO
@PHP_CEO

I DON'T CARE WHAT YOU BUILT FOR FUN AND
PROFIT

FUN IS FOR CHILDREN

JUST BUILD THINGS FOR PROFIT

3:21 AM · Jul 20, 2020 · Twitter Web App

38 Retweets 1 Quote Tweet 250 Likes



Started a Patreon page

Send stickers out every few months

It's not enough to live on , but at least it covers the server bills, etc.



Open source streampusher

github.com/datafruits/streampusher-api



GitHub repository page for `datafruits/streampusher-api`. The page features a dark navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. The repository name is displayed in the breadcrumb, along with Unwatch (1), Star (0), and Fork (0) buttons. Below the navigation, there are tabs for Code, Issues (17), Pull requests (21), Actions, Projects, Wiki, Security (50), Insights, and Settings.

A yellow alert box states: "We found potential security vulnerabilities in your dependencies. You can see this message because you have been granted access to Dependabot alerts for this repository." A button labeled "See Dependabot alerts" is provided.

The repository is currently on the `master` branch, with 26 branches and 0 tags. Action buttons include "Go to file", "Add file", and "Code".

A recent pull request by `mcfiredrill` is shown, titled "Merge pull request #61 from datafruits/add-listener-ability", merged 17 days ago with commit `31dc7cc`. It includes 2,266 commits.

File	Commit	Time
<code>.github/workflows</code>	fix syntax error	2 months ago
<code>app</code>	add listener to permissions	18 days ago
<code>backup</code>	commit backup/Gemfile.lock	8 months ago
<code>bin</code>	signup WIP	6 years ago

The right sidebar contains sections for "About" (api backend for streampusher), "Releases" (No releases published), and "Packages" (No packages published).



Began to focus more on community aspect

Radio⊕ Chat Label About Blog Shop Subscribe

datafruits.fm

jallen250



boogiedol



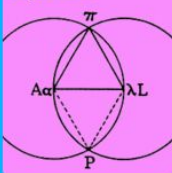
sr388



jim



alpirack



itxpo



ichan



gearshift



californiagames



fengr



hojo



ovenrake



mciredrill



▶ 🔊 Peaches the Wale - datafruits5 - 01-08-2017

Next live on air: [Thanks1](#) English ▾

everyone: love 2 play one genre



**datafruits djs:
you do know these things can play anysong right?**



March 2020 - DXDF

Nearly week long online "festival"

24/7 shows

visuals by @quadcast

23:35:21 Zell REALLY dig this

23:35:28 Zell

23:35:28 oliviacpu joined the chat

23:35:31 ksd6700 left the chat

23:35:35 NHK guy left the chat

23:35:40 leon pepsi chat what's up

23:35:38 yuna yuna joined the chat

23:35:43 ohzvone:) joined the chat

23:35:37 syobon YMCK is Japanese Chiptune Band

23:35:51 J Mac sup leon

23:35:53 jonn & zaxy olivia is here drink water

23:35:57 whoa This sounds like final fantasy

23:36:00 leon i ran out of weed @ mac

23:36:01 jonn & zaxy its like a healthy drinking game

23:36:04 RichardNixon bro saint pepsi this is kinda a departure from what you usually make and IT IS AWESOME

23:36:07 beard joined the chat

23:36:08 RichardNixon the 8bit is amazing

23:36:10 whoa left the chat

23:36:14 RichardNixon why are you good at every genre???

23:36:21 yuna yuna enjoying two online parties

23:36:18 J Mac @leon oh nooooo

23:36:19 N314 left the chat

23:36:24 kdawg joined the chat

TTTTTTT
vero
jonn & zaxy
elevation
tchan
yoshino yoshikawa 3
jums
jkap
MITSUCO
Zell
BLC
jinnjaben
tay
top
dog jetski
Herd Immunity
oven
julianatv
Seannlllllll Beee
celes
yoshino yoshikawa
cat
wizbiz
RichardNixon
sealeater
snailzone explorer ie
yoshino yoshikawa 2
hmdada

enter your message here... [Send](#) [GIF](#) [Images are on](#)

DXDF

datafruits.fm/chat

03.28 08:00 PST - 11:00 EST - 15:00 UK

03.29 00:00 JST/KST

7777777

alptrack

calgames

djnhkguy

fengir's key

Hojo

hpcdude

J Dendê

kissmenerdgirl

lemontune

mondystudio

ovenrake

similarobjects

SKYLAR SPENCE

Sonia Calico

SR388

Swan Meat

TAK666

tchan

thanks1

rim

TZECHAR

UFO Online

Yoshino Yoshikawa

DXDF

datafruits.fm/chat

03.27

06:00 PST 09:00 EST

13:00 UK 22:00 JST

babyblue

calvomusic

dauragon

doctor data

firedrill

getdizzy

dj glitterqueen

harmful logic

Light

Limsum

nohighs

N3t4

Pamecy

Sonja

中村番台

DXDF

- 16:31:48 freedrull joined the chat 🙋
- 16:31:51 calgames ayyyyyyyyy
- 16:31:54 calgames ty sonia calico
- 16:31:59 similarobjects WOOHOOOO
- 16:32:03 similarobjects ty guys!!!
- 16:32:06 oven sooooooo goooooood
- 16:32:11 Polygiene☺ joined the chat 🙋
- 16:32:16 calgames yaaaaaaaaaaaaaay
- 16:32:19 similarobjects woodhoco
- 16:35:29 n3t4 <https://media2.giphy.com/media/33OrjzUFwkwEg/giphy.gif?cid=a95d58442ee3a0fa9b134d0097c18ca3971bc010de506b79&rid=giphy.gif>



- Dub Yuka
- FLP~
- Herd Immunity
- Hojo
- MITSUCO
- Mocksmile
- Persona
- TZCHAR
- calgames
- cat
- dog jetski
- failzapper
- hpcdude
- jums
- n3t4
- oliviacpu
- oven
- similarobjects
- snailzone explorer ie
- tchan
- wizbiz
- yoshino yoshikawa
- yoshino yoshikawa 2
- yoshino yoshikawa 3

新着メッセージ下にあります。

メッセージをここに入力してください

送信 GIF

Images are on



18:44:28 jonn left the chat

18:44:29 freedrull joined the chat 🙋

18:44:32 jonn joined the chat 🙋

18:44:53 gearshft6six6ix whomsts doing visuals?

18:45:08 freedrull wifcellphonekidz visuals

18:45:10 jonn its firedrill's irl yard

18:45:15 gearshft6six6ix peffect

18:45:17 MATTERS left the chat

18:45:20 oven wow

18:45:20 gearshft6six6ix i love that

18:45:29 floor baba (water armor) grass looks healthy

18:45:35 gearshft6six6ix is that tony

18:45:37 gearshft6six6ix omg

18:45:38 gearshft6six6ix hahah

18:45:41 oven lmao

18:45:56 jonn drink up

18:45:57 gearshft6six6ix hi tony!

18:45:58 gossamarie tonyyyy

18:45:59 gossamarie lmao

18:46:01 gossamarie yesss

tweet_rain
glooms
nohighs
elevation
shady_monk
kiki
Kieshadilla
gearshft6six6ix
d.j. girl
loliponi
kk
jums
Unthebard
hpccc
memoryfoam
silk
lebers
dog jetski
daffodil
oven

メッセージをここに入力してください

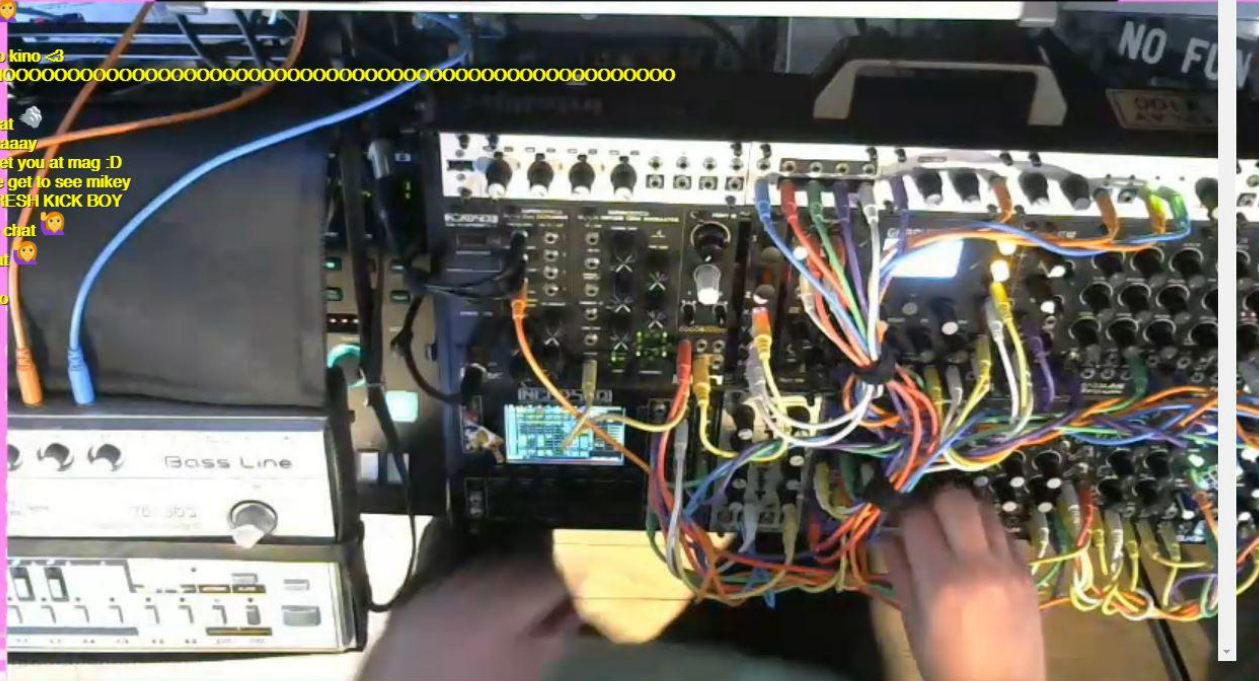
送信 GIF

Images are on

07:02:24 i took a nap earlier this is kinbo?
07:02:26 i took a nap earlier kino?
07:02:28 jackson from online ayyyyyy
07:02:37 jackson from online p sure kino on viz ya

07:02:47 jonnn joined the chat
07:02:56 jonnn Ya kino on viz!
07:03:08 jackson from online s/o kino :3
07:03:11 i took a nap earlier KINNOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO
07:03:18 skybox :3 hi

07:03:18 glitterqueen left the chat
07:03:22 jackson from online yaaaay
07:03:22 i took a nap earlier i met you at mag :D
07:03:25 jackson from online we get to see mikey
07:03:33 jackson from online FRESH KICK BOY
07:03:34 glitterqueen joined the chat
07:03:38 freedrull joined the chat
07:03:51 freedrull wowow
07:03:59 SARS-CoV-2 ere we go



Akira
Hojo
Itz Seanni B 3
JulianNRG
Lisa
SARS-CoV-2
Shelnei
VenoSci
amalgma_oh
citygax
hollard
i took a nap earlier
jackson from online
kuskus
olviacpu
pea
skybox
skyboxphone
tam.exe
tchan
timelord six
tomudj
v
vibaccheck
jonnn
glitterqueen
freedrull

メッセージをここに入力してください

送信 GIF Images are on

**DXDF 2020 - OVER 100 HOURS OF MUSIC AND FRIENDSHIP
THAN YOU ALL SO MUCH!!!**



datavegetables

A sort of “channel 2”





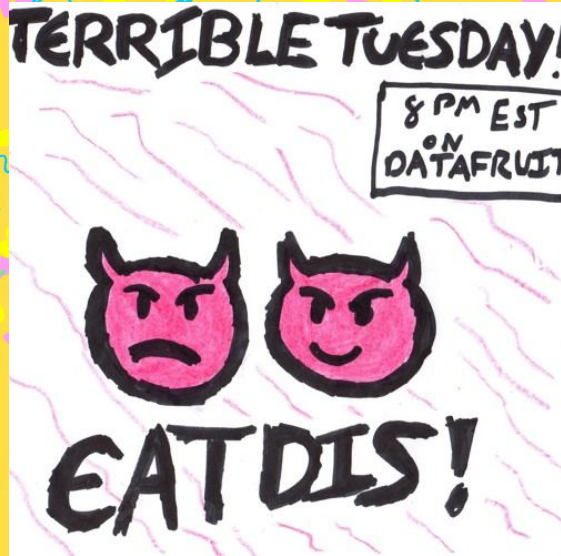
Some lessons learned over the years

- Only had 1 problem with a problematic person
- Getting a famous person to do a one off set
- Only got our chat moderation system working recently



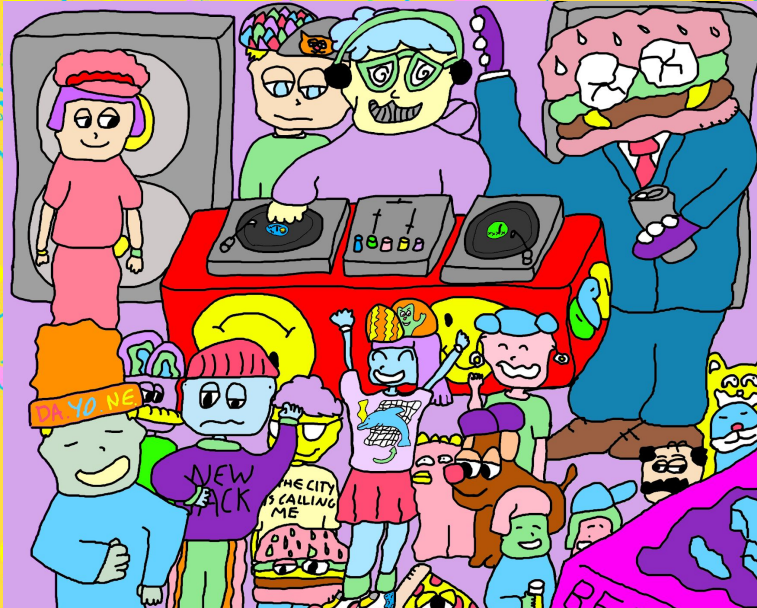
Consistent shows build community

Weekly shows that people can count on every week to tune in build the community



Current Goals

- Support artists and DJs from underserved and marginalized communities
- Build and run the station together democratically as a community in a cooperative fashion



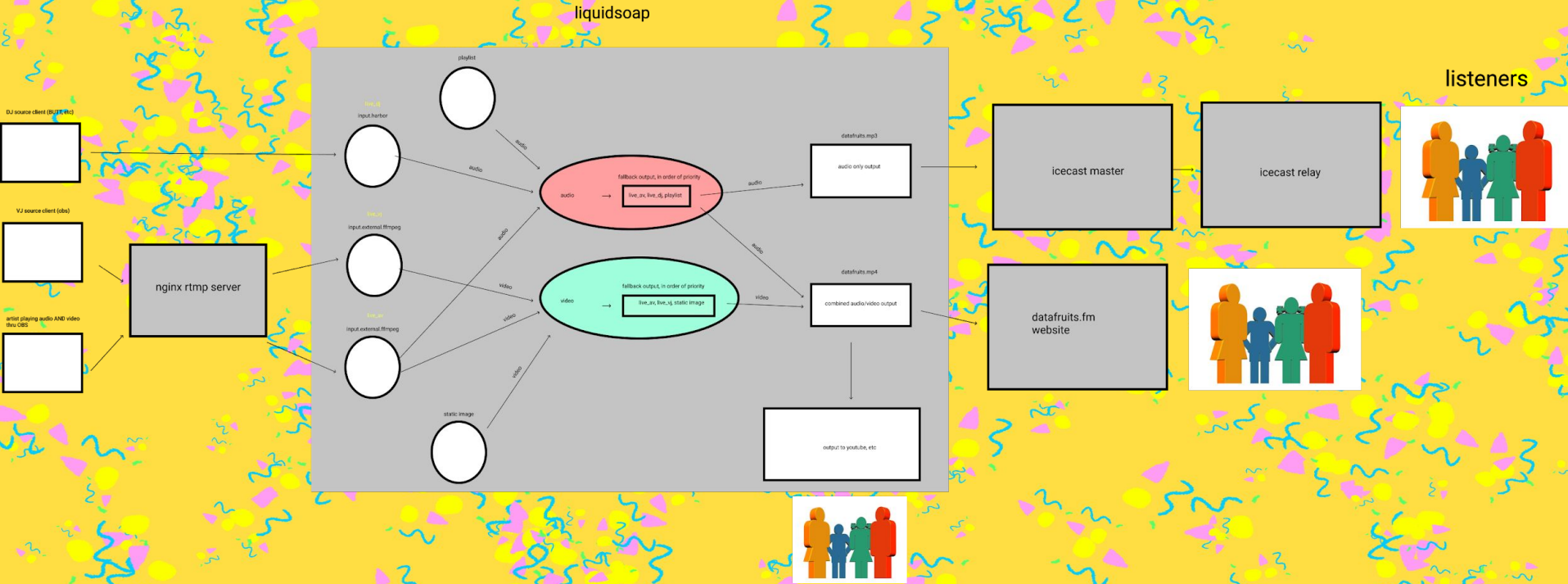
Future plans

- Move from Patreon to my own subscription based system, split revenue with DJs and other supporters
- Implement a cute tipping system for DJs
- Re-do the architecture to fully integrate with video
- Allow DJs to stream audio and video with OBS





New architecture diagram





Check out more projects here!

<https://github.com/datafruits/datafruits/projects>



Search or jump to...



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[Star](#) 22

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Q is:open

New project

[9 Open](#) ✓ [2 Closed](#)

Sort ▾

studio phone 2.0

a simple voicemail system that listeners can use



Updated on Dec 15, 2020

music inbox for DJs

listeners should be able to submit mp3s for DJs to play on the radio via a simple form.



Updated on Dec 15, 2020

mobile notifications / notifications when app is

No description



It's just a website

THANKS!