Archiving DAB/DAB+ Feeds

Ben Cartwright-Cox @benjojo12

\$ whoami ben

• I don't do this as a job like some of you

Just a rogue archiver

"Systems" Engineer (aka software) / Ops in the day

For the most part have no idea what I am doing





Main page Contents Featured content



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Lost television broadcast

From Wikipedia, the free encyclopedia

Lost television broadcasts are composed of mostly early television programs and series that for various reasons cannot be accounted for in personal collections or studio archives.

United Kingdom [edit]

Main article: List of lost television broadcasts in the United Kingdom

- Early BBC-created programmes from the 1930s and 1940s such as Telecrimes, Pinwrigh
- recorded. The only visual evidence of these programmes today consists of still photographs.

 All recordings of the early televised Francis Durbridge serials from 1952 to 1959 were consistent.
- Only one episode survived from the 1961 TV Series Call Oxbridge 2000.
- Four of the six episodes of The Quatermass Experiment, Britain's first science fiction tele
- of any fictional parion today

BBC Redux

| BBG Research i | & Development Logged in I :: Home :: Your account :: Log out |
|-----------------|---|
| Content search | 111 Hame |
| lottok Bray | (search) (beding ladey) |
| Advanced | |
| result(s) 1-25, | Mers |
| An i | vesting the Archive meaning of archives, as curator Jamie Andrews looks through the materials writer John Berger donated to the British 8ty. 1. 29 Jul 2011 22:00 BST, btcr3, duration 45:00 |
| Sir i | ic Feature Henry's Hoard: Using Proms founder Henry Wood's collection of concert programmes in the British Library, Stephen Johnson builds a picture oncert-going life around 1900, at, 9 Jul 2011 12:15 BST, bbcr3, duration 45:00 |
| Stac | ves of the Dead this and Baps and Amulets: Feisty Df Julie Enfield probes a murder at London's British Library, Nick Fisher thriller with [melda Staunton and offrey Natthews, Episode 2 of 4. Ned, 27 Apr 2011 06:00 BST, bbc7, duration 30:00 |
| Ente the | on Mayo strainment, music and conversation. Including Matt's Midweek Middle Aged Moshing Moment, and two live tracks from The Goo Goo Dolls in Great British Songbook Library. Ned, 10 Nov 2010 17:05 GMT, bbcr2, duration 115:00 |
| EM | on Nego a Costello plays live on Drive performing a cover of a great British-penned hit as part of the Great British Songbook Library series. adds:t Wed, 27 Oct 2010 17:05 BST, bbor2, duration 115:00 |

United Kingdom [edit]

Main article: List of lost television broadcasts in the United Kingdom

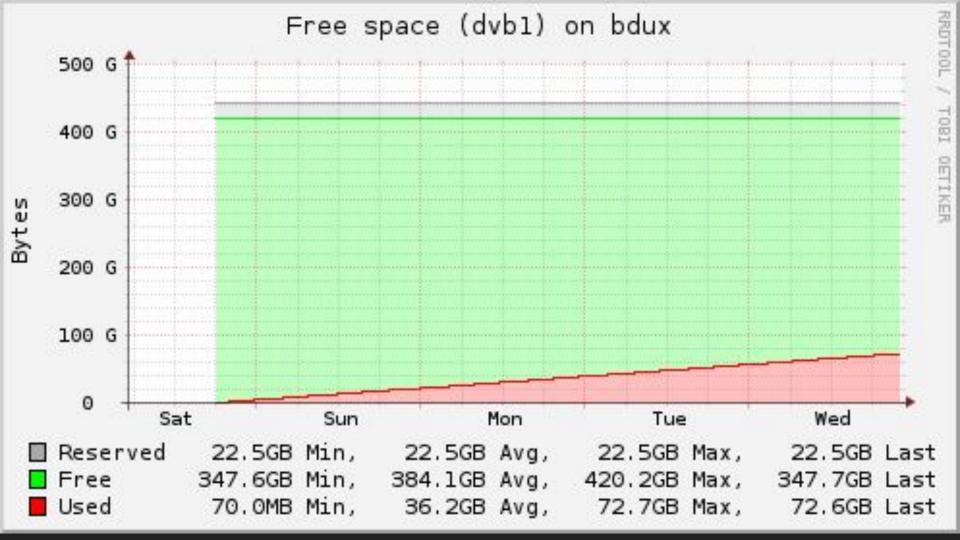
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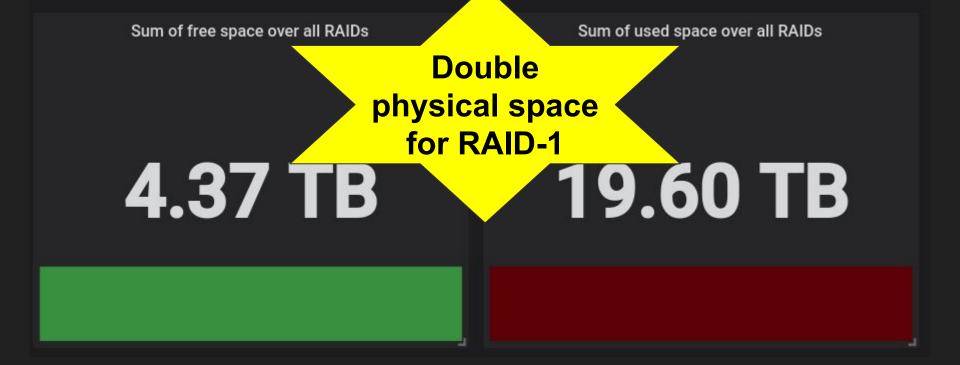






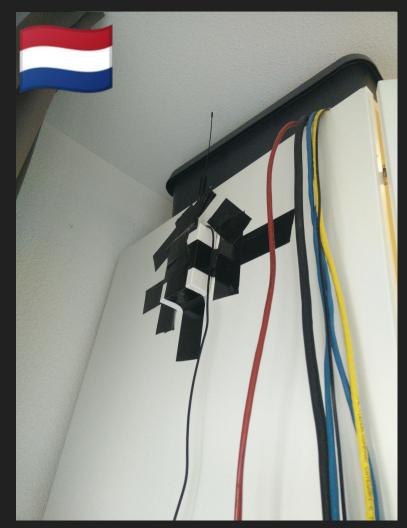






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root@vorsk:~# sqlite3 /bdux/metadata/tracks.db \
> 'SELECT COUNT(*) FROM radiostate;'
1320206
```



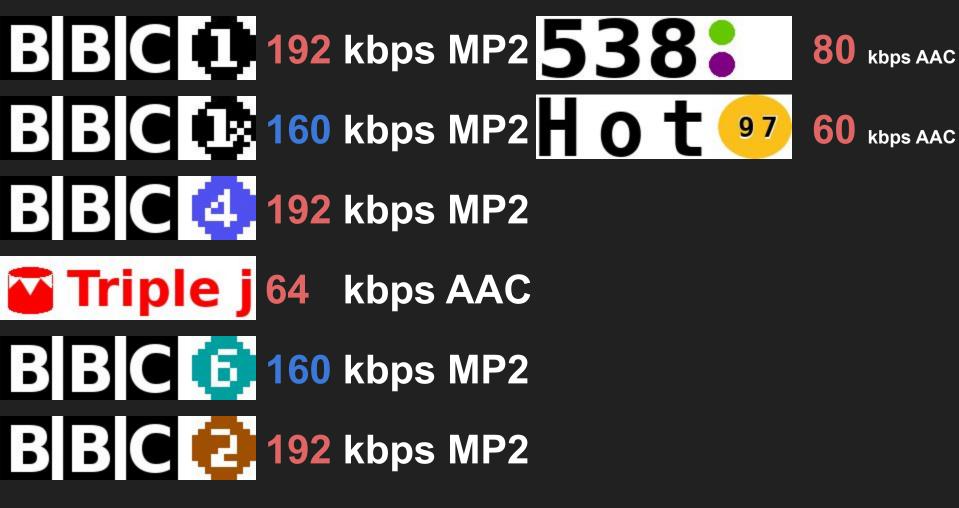




538:



know I don't know I don't know I don't kno don't know I don't know I don't know I don know I don't know I don't know I don't kno m't know I dor- triple know Sw I don't know know I don't know I don't know I don't kno don't know I don't know I don't know I don know I don't know I don't know I don't kno

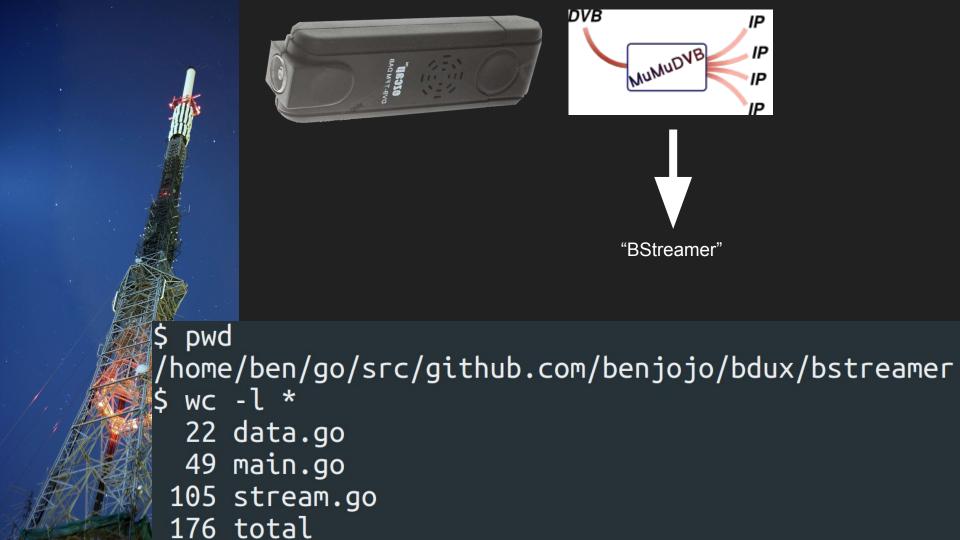


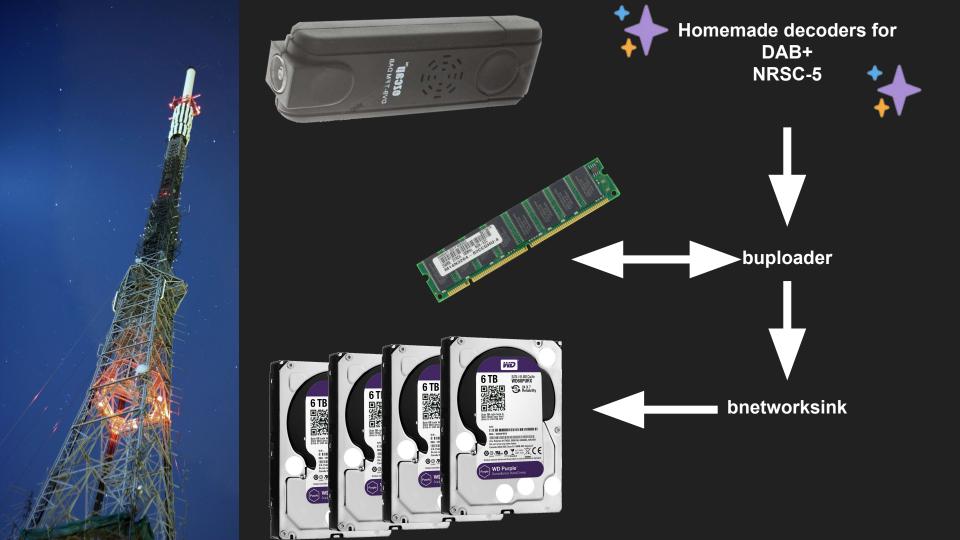
Wrap up tech overview



Critical Path: Recording









High Priority: Tagging



► EPG Decoding

Dynamic Label Decoding

"Now playing"
Track info





"btagger"

EPG Decoding

"Now playing"
Track info

Tracks.db



"btagger"



\$ wc -l *

105 bbcjson.go 257 epgscanner.go

101 main.go

106 sqlite.go

569 total

Track into



Tracks.db



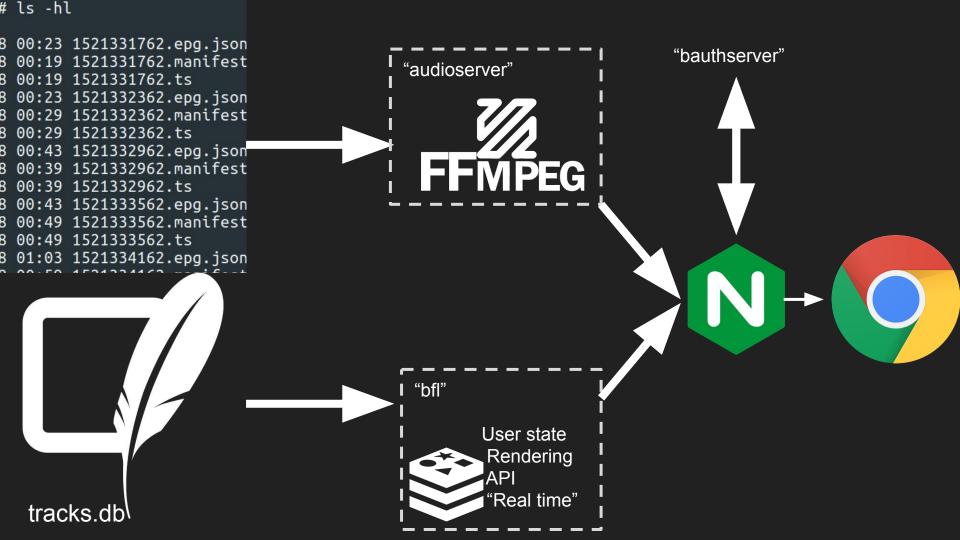
Player Radio

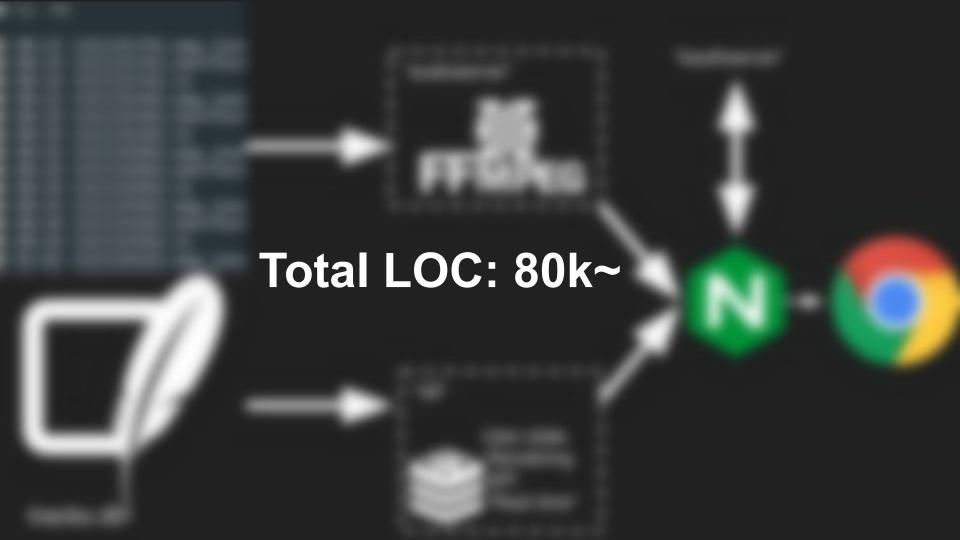
```
8 00:23 1521331762.epg.json
8 00:19 1521331762.manifest
8 00:19 1521331762.ts
8 00:23 1521332362.epg.json
8 00:29 1521332362.manifest
8 00:29 1521332362.ts
8 00:43 1521332962.epg.json
8 00:39 1521332962.manifest
8 00:39 1521332962.ts
8 00:43 1521333562.epg.json
8 00:49 1521333562.manifest
8 00:49 1521333562.ts
8 01:03 1521334162.epg.json
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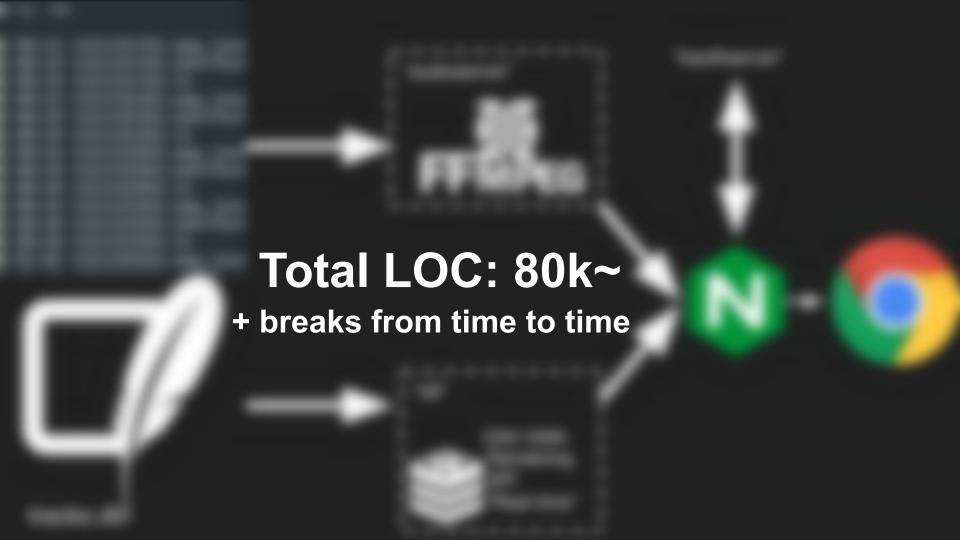
tracks.db\

ls -hl

Low Priority: Playback







Muzzy

TC

J Majik

Offaiah

Chris Lake

Delta Heavy

6720

6720

6720

6720

6720

6720

Stream

Stream

Stream

Stream

Stream

Stream

Play (feat. UK:ID)

Give It Up

Bar Fight

Trouble

Stranger

Time Traveller

Data isn't always great

Simulcasts

| В | B | CL | | | + | BBC | |
|---------|---------|------------|----------|-------|----------|---------------|--------|
| Tue Sep | 06 2016 | 02:20:04 (| GMT+0100 | (BST) | Friction | bbc_radio_one | Stream |
| Tue Sep | 06 2016 | 02:19:56 (| GMT+0100 | (TSB) | Friction | bbc_1xtra | Stream |
| | | | | | | | |

Spelling errors in track data

| Song Results: | |
|---------------|--------|
| Name | Artist |
| Anomalie | Noisia |
| Anomaly | Noisia |
| Anomaly | Nosia |

| bdux Logged in as Benjojo12 | EMBARGO | Search |
|--|---------------------------------|--------|
| | | |
| Name | Artist | Link |
| Black *TARGET EMBARGO 281016 DO NOT PLAY* | Donae'o, Jme & Dizzee Rascal | Stream |
| Cotton Candy (TARGO EMBARGO 30th Nov 2017 9PM) | Jessie Reyez | Stream |
| Dive (STRICT EMBARGO FRIDAY 030317 1PM) | Ed Sheeran | Stream |
| Glue | Bicep | Stream |
| In The Morning (TARGO EMBARGOED) | LiTek | Stream |
| Jus Come (DANNY EMBARGO 111117) | Mark Knight & Tuff London | Stream |
| Lost Away (ANNIE MAC EMBARGO 041215) (feat. Shakka) | Sigma | Stream |
| Matador **DANNY EMBARGOED 03/02** | Solardo | Stream |
| Nobody Knows *FRICTION EMBARGO 251016* | Sub Focus | Stream |
| One More Time (TARGO EMBARGO 12th Jan DO NOT PLAY) (feat. Abra Cadabra & Kush) | Frass | Stream |
| We Just Don't Care ***DO NOT PLAY*** EMBARGOED TILL 730 6th APril | Shy FX | Stream |
| ** strictly embargoed / world exclusive DO NOT PLAY ** Humility | Kamasi Washington | Stream |
| **EMBARGOED TILL 10AM - 7TH JULY ** Smile (feat. Gloria Carter) | JAY-Z | Stream |
| Alarm (Naughty Boy Remix) (Embargoed 24062016 after 10pm) | Anne-Marie & Chip | Stream |
| All A Dream (MistaJam Embargo TX210716) | Wretch 32 | Stream |

BUBBLES (+ 1 SECONDS)

THE | Played on: bbc_radio_one : Annie Nightingale

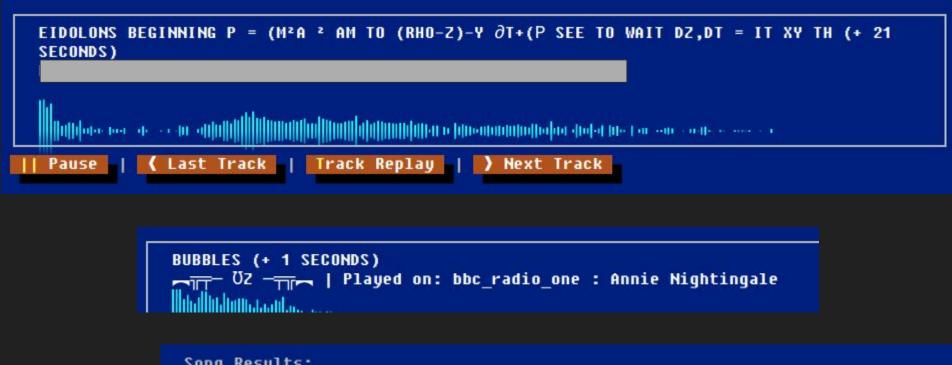
BUBBLES (+ 1 SECONDS)

TITE | Played on: bbc_radio_one : Annie Nightingale

| Song | Results: |
|------|----------|
| | |

Untitled

| Name | Artist | Link |
|------|--------|--------|
| C3_m | ∑=7 | Stream |



| Middle Markania. | | |
|------------------|--------|--|
| Song Results: | | |
| | | |
| Name | Artist | |

Untitled

Link

Stream

Stream



| Song Results: Name Art | | |
|-------------------------|----------|-----|
| | tist Lin | nk |
| C3_m \(\sum_{=7} | 7 Sti | tre |

Untitled

eam

Stream



Pause | (Last Track | Track Replay |) Next Track





"Don't mess up like Ben did"

- NTP

 Sync

 All

 Systems
- Ensure you think about failure boundaries and expectations for each µ-service you run
- Run migrations as slow as you need for irreplaceable data
- Keep original copies of data you are importing, you can fix your mess ups years after you make them
- Don't live in the UK where all digital radio is MPEG-2
- Don't forget about metrics
 - Make sure your metrics actually connect to bad things happening

Questions?

Or complaints to: ben+nttw3@benjojo.co.uk