



LOHRO theK



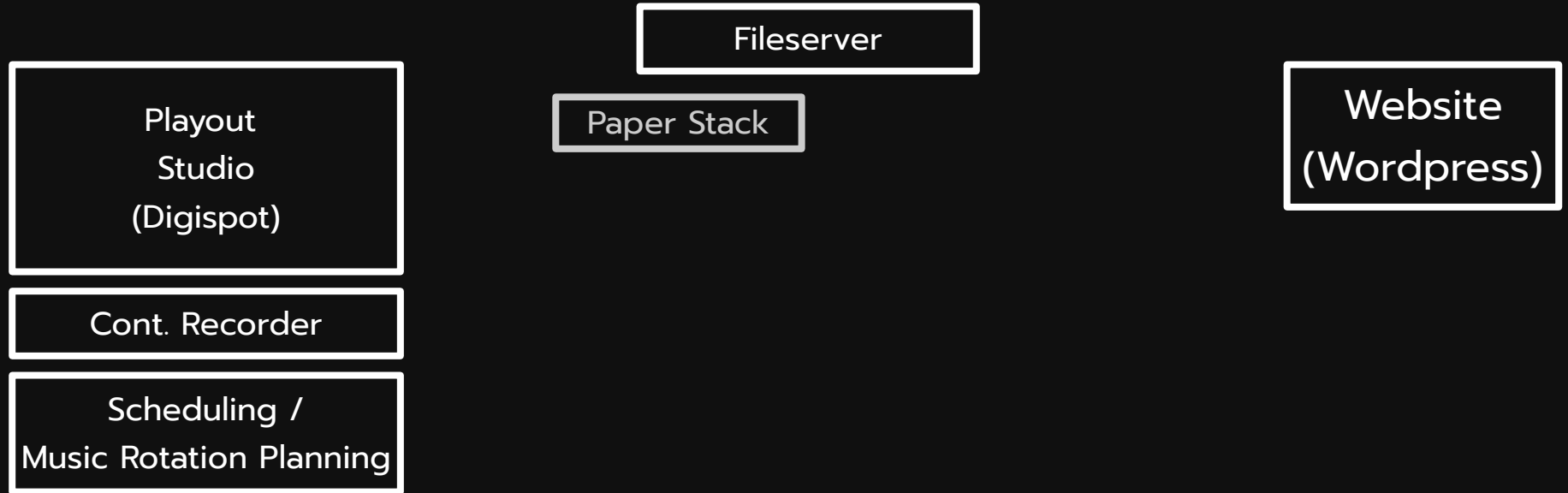
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ROSTOCK 90.2 MHz

Why do we need a new
solution?
It seems to be working well?

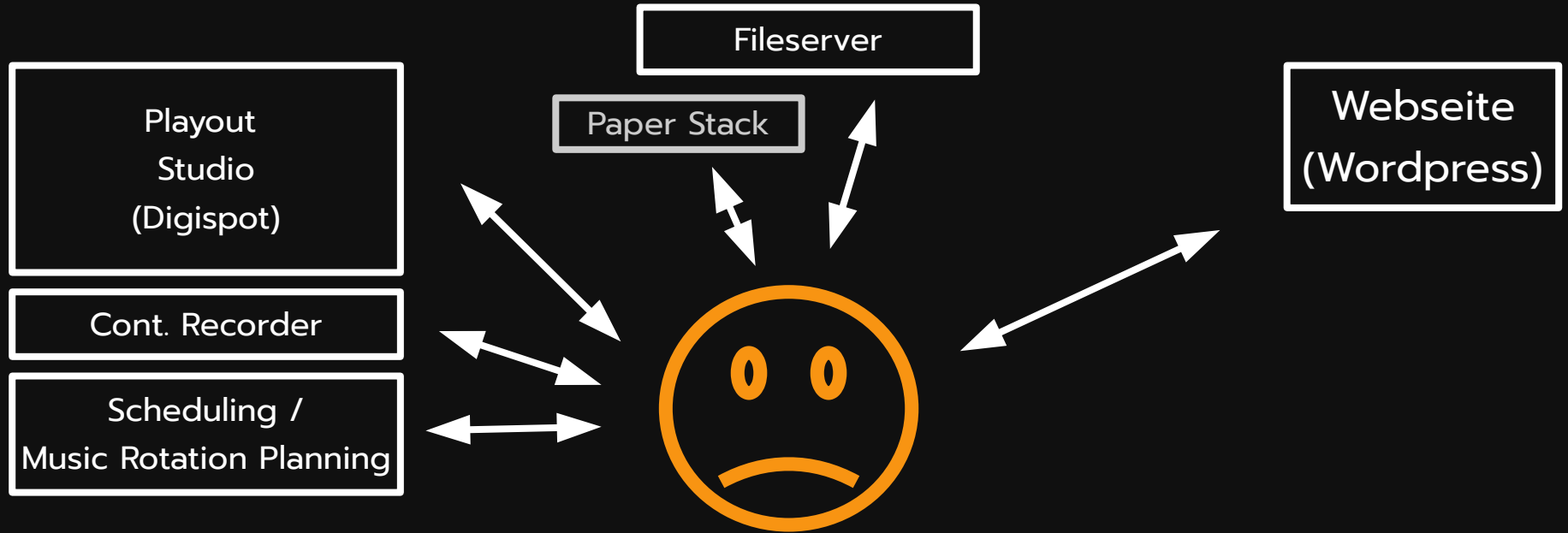


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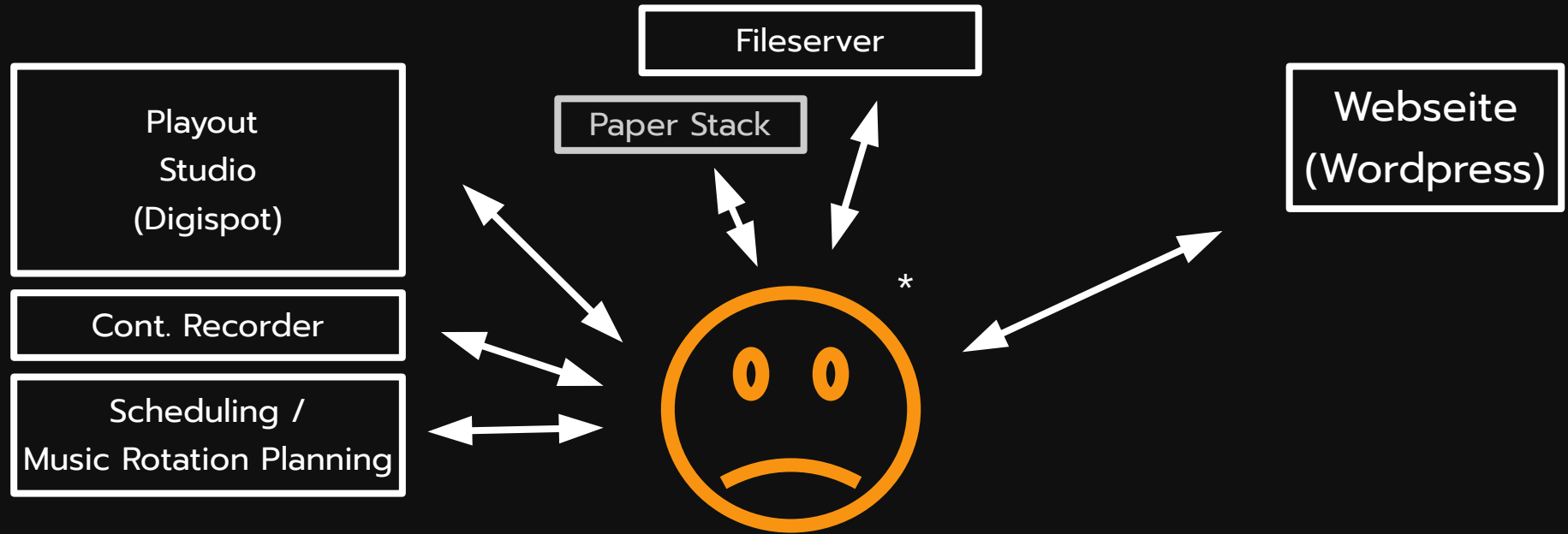
Components used by LOHRO



Components used by LOHRO



Components used by LOHRO



* Main Communication Interface between the Components

Aspect of Editorial Workflow

- Moderation notes on paper, no connection to the audio-data
- Audio report on the fileserver, no internal research in stock data.
- We have to import radio reports in our commercial playout system to broadcast them
- Manual uploading and depublication process for reports and full recordings for on-demand streaming



Aspect of Editorial Workflow

- Inconsistent program organisation: website vs. print vs. scheduling
- Explicit import of music in system
- Insufficient transparency for work in the editorial departments, insufficient (technical) access from outside. „work from home“
- No resource management (Is the studio used?)



Technical Aspects

- Data-redundance between the systems
- Commercial playout, native windows
- Missing (good) interfaces / APIs



Resulting Publicity

Nice one! I missed the start
Of the broadcast, where
can I found it?



Yeah! The Journalist had no
access to Wordpress or I't
need's to much time to
Upload it!



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Resulting Publicity

Moin! I was invited some days Ago in your show. Can I send it to my parents?

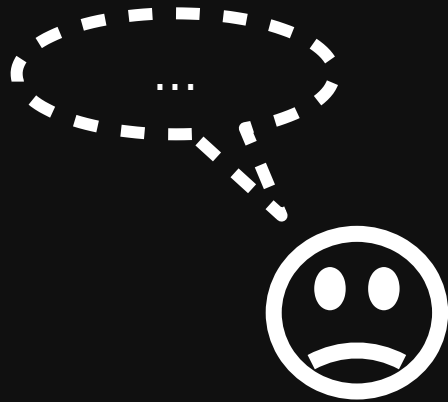


Yeah! Here is link to a page full of audio reports. If you scroll down, you may find it.



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Resulting Publicity



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There are so many radio stations. There is no existing project?



Problem of existing solutions

- Specialized Market
- Affordable solutions are often not comprehensive, some parts may be missing and without an API...
- No solution found for our needs without extensive adaptation
- **FREE RADIO → FREE SOFTWARE!**



Project AuRa

- AuRa is an solution under development for Scheduling and Playout from Austria
- Abition: scheduling planen, playout, recording and repetition.
- Communication between us and AuRA. Try to complement between the projects and to not reinvent the wheel.



And your ambition?



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Allgemeine Zielstellung

- Master your data!
 - Save in good data-structures
 - Connect the dots
 - Single point of truth (one Information → just one place)
- Simplify Workflows, transparency and accessible
- Automated Routines



Marketing Talk. What are
the current features?
Status of the project?

The logo for LOHRO thek features the text "LOHRO" in a bold, white, sans-serif font above "thek" in a lowercase, white, sans-serif font. The text is centered within a circular arrangement of four orange, curved segments that form a partial ring around the text.

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Usable Components (08/20)

- LOHROthek Backend (data-management for editorial data)
- Thekno (webfrontend for listeners)

LOHROthek Backend



- Contains all editorial data
 - Radioreports, live-recordings, moderation sheets, connected metadata (categories, tags), Broadcasts with description, editorial departments, people and authors, licence and creators
- Program management, Broadcast Pre- und Postproduction:
 - Program base schema, adaption to the real program plan, editorial planning of a full broadcast-episode
- Connection of all informations
 - Playout of radioreports assignment to broadcast-episodes and vice versa. Editorial departments created content, people are part of the departments...

THEKNO

- Customizable PWA to publish the informations.
- Should provide all Informations of the LOHROThek Backend (and more?)
- Our ambition: Shut down Wordpress, put everything in the app.



Installation and Customization

- How to's are in the GitLab Projects
- Debian (DEB) packages for Backend and Thekno. Example configurations available.
- (Docker Container)
- Thekno is able to change colors / logos / links.

Well... Future?
Roadmap?



BFR-API

- Finalize draft and discuss between the radio stations
- Implementation of the API in LOHROthek Backend as main Interface

BFR
/ API

LOHROcorder

- 24/7 Recording System of Streams / Audiosignals
- Export Records in needed file format and codec
- Cut by timestamps (cut out music)
- Control by (existing) Recording-API
- Webinterface?



REC
/ API

LOHROvent

- Event logging in the studio environment (When was the Mic opened? Was the Phone Turned on?)
- Use the Time Informations for LOHROcorder
- Connection to the LOHROthek and/or Thekno for Timestampusage

Dreams!

- Full connection between a full-feature playout system and the LOHROthek
- Automatic exchange from content between the organized free community radios to work together as radio-network

So much options!



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And how do you feel?
Still motivated?





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Support and Longterm Thoughts

- An robust financial base would be nice and needet, if the project ist more expanding
- We are motivated!
- We are communicative and are happy about every small contribution.

Some links

- All published projects of LOHRO:
<https://git.hack-hro.de/lohro>
- BFR-API:
<https://git.hack-hro.de/lohro/bfr-api>
- Automated Radio (AuRa):
<https://gitlab.servus.at/aura>