

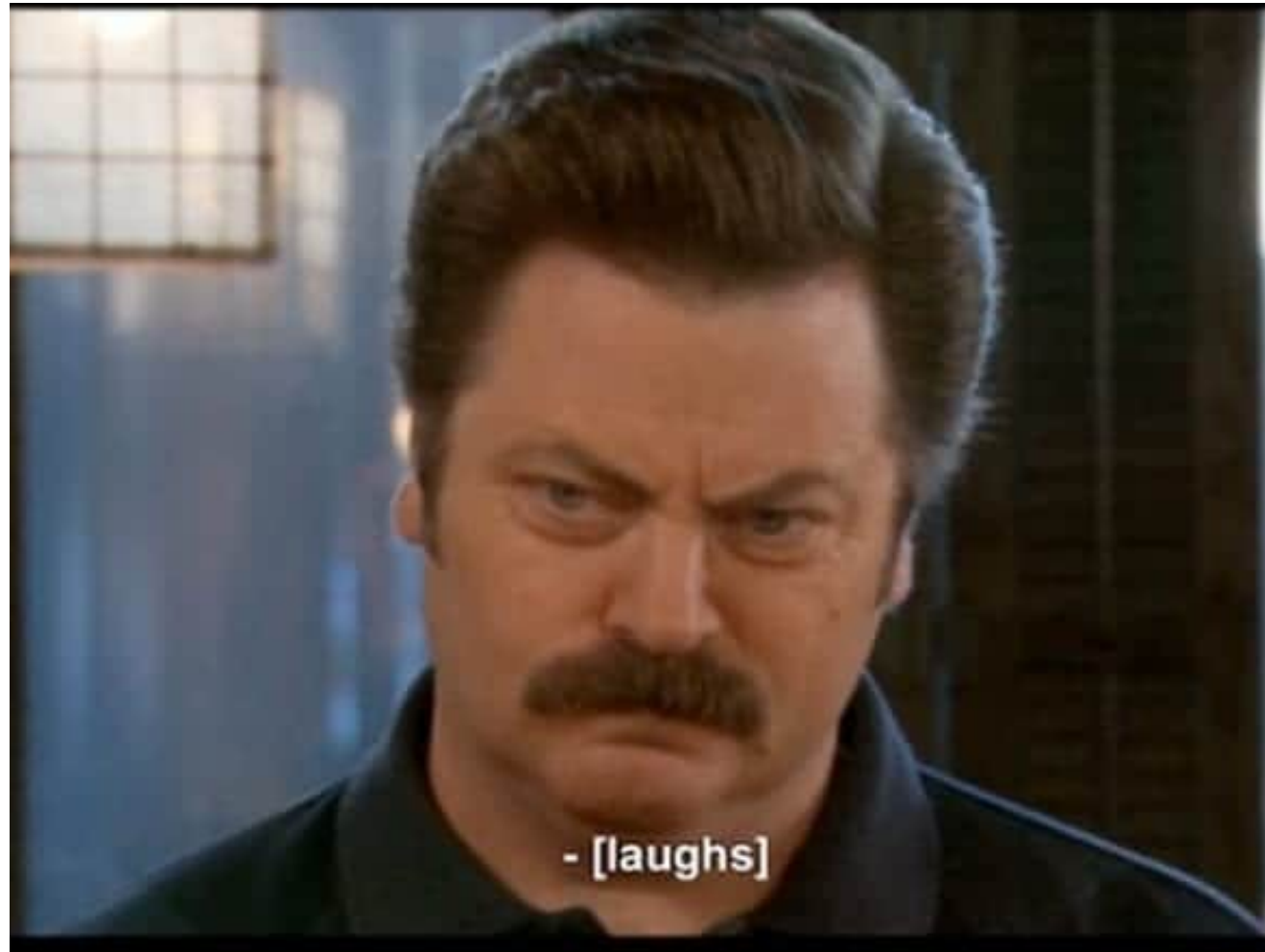


Making a service out of Whisper

20241211 - Poznań



Captions...





Making a service out of Whisper

Why are we making a Whisper service?

How are we doing it?

What does the future brings?





NORDUnet

NORDUnet is an international collaboration between the National research and education networks in the Nordic countries.

Besides providing connectivity to the Nordic countries, we also provide different services.

One of those are video management systems.



The Why

Every university IT department have tried Whisper out, and it works.

Regulation for captions on all videos for education.

NORDUnet video management systems.



The How

- We wanted a flexible architecture.
- Ability to use multiple models.
- Also homebrewed models.

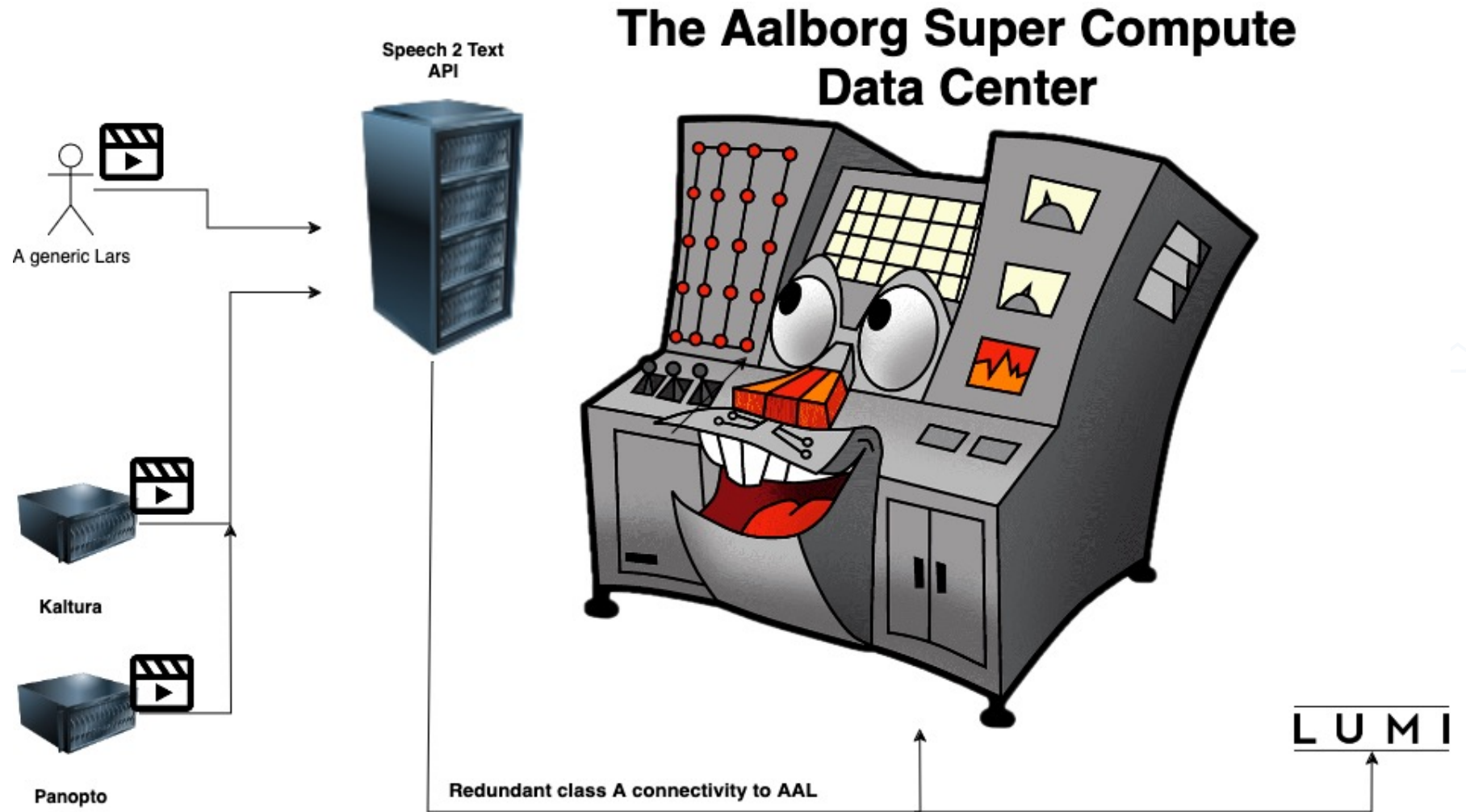


The How

- We did a project to move Zoom recordings to the VMS
- So we decided to make an API infrastructure for Whisper.



The Architecture





The Architecture





/api/v0.5/status

- On-Prem Kaltura integration
 - Customer tests running
- On-Prem Panopto integration
 - Work in progress



/api/v1/release

- Kaltura and Panopto integration.
- Multiple models.
- Standalone page for single file transcription.



/api/v42/dreams

- Local workers to protect research.
- Other types of tasks
 - Chapterization.
 - Knowledge condensation.
 - Quizzes.
- Make the world a better place 😊



S2T community

- For the entire Nordic community.
 - Provide easy to get transcriptions.
 - Sharing knowledge.
 - Best of class transcriptions for education.



Lars Lund Thomsen

Email: llt@nordu.net

