nochmal

Migrating User-Uploads

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PUZZLE ITC
changing IT for the better

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Agenda

- Problem
- Solution
- Approaches
- Take-Aways

whoami

- Matthias Viehweger
- Ruby since 1.8.7
- Rails since 2.3
- Puzzle ITC since 2016
- github.com/kronn
- @kronn@ruby.social

The Problem

many uploads and the need to migrate

- over 100GiB
- many files
- multiple apps
- different backend
- different storage

The Solution

automation with a funny name

- multiple apps
- needed to reupload uploads
- if extracted, it needed a funny name
- hence: nochmal
- think of baby sinclair/dinosaurs
- or any kid

The Solution

rake-task for reuploading

```
rake nochmal:reupload[from_service,to_service]
```

The Solution

rake-task and guidance for migrating from carrierwave

```
gem install nochmal
rake nochmal:carrierwave:analyze
rake nochmal:carrierwave:migrate
rake nochmal:carrierwave:resume
```

The Solution

control details with env-vars

```
NOCHMAL_MIGRATION
NOCHMAL_KEEP_METADATA
```

The Solution

And then run it

around 42 deployments
6 apps IIRC
approx 120GiB
no data-loss
no downtime
migration itself was done in a week

Alternative Approaches

how hard can it be?

- copy files manually
- accept downtime
- accept data-loss and start over

Take-Aways

- Uploads are easy
- Switching Upload-Backends is hard
- Or: was. 😜

Merci

github.com/puzzle/nochmal

nochmal

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```
github.com/puzzle/nochmal
```

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