## Invenio Bundles

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# What you've seen and haven't seen:

 https://invenio.readthedocs.io/en/latest/gene ral/bundles.html



## **Bucket operations**

Create a bucket:

\$ curl -X POST http://localhost:5000/files

List objects:

\$ curl http://localhost:5000/files/\$B

List object versions:

\$ curl http://localhost:5000/files/\$B?versions

List multipart uploads:

\$ curl http://localhost:5000/files/\$B?uploads

Check bucket existence:

\$ curl -i -X HEAD http://localhost:5000/files/\$B



## Object operations

Download a file:

```
$ curl -i http://localhost:5000/files/$B/AUTHORS.rst
```

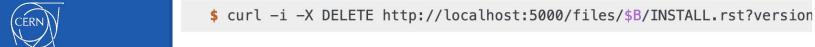
Upload a file:

```
$ curl -i -X PUT --data-binary @../INSTALL.rst \
 http://localhost:5000/files/$B/INSTALL.rst
```

Delete a file (creates a delete marker):

```
$ curl -i -X DELETE http://localhost:5000/files/$B/INSTALL.rst
```

Remove a specific version (removes file from disk):





## Multipart file upload

Create a multipart upload:

```
$ curl -i -X POST \
"http://localhost:5000/files/$B/LICENSE?uploads&size=8&partSize=4"
```

List parts of a multipart upload:

```
$ curl http://localhost:5000/files/$B/LICENSE?uploadId=...
```

Upload parts:

```
$ echo -n "aaaa" | curl -i -X PUT --data-binary @- \
  "http://localhost:5000/files/$B/LICENSE?uploadId=...&partNumber=0"
$ echo -n "bbbb" | curl -i -X PUT --data-binary @- \
  "http://localhost:5000/files/$B/LICENSE?uploadId=...&partNumber=1"
```

Complete a multipart upload (Celery must be running):

```
$ curl -i -X POST http://localhost:5000/files/$B/LICENSE?uploadId=...
```

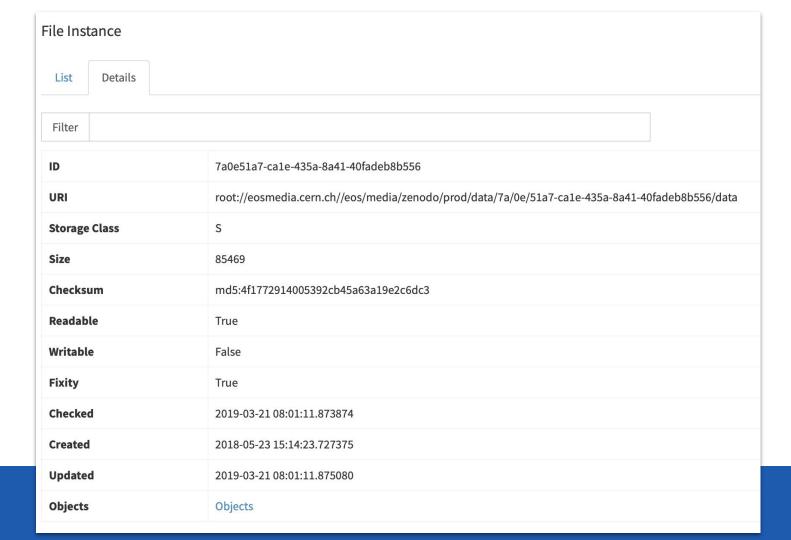
Abort a multipart upload (Celery must be running):

```
$ curl -i -X DELETE http://localhost:5000/files/$B/LICENSE?uploadId=..
```

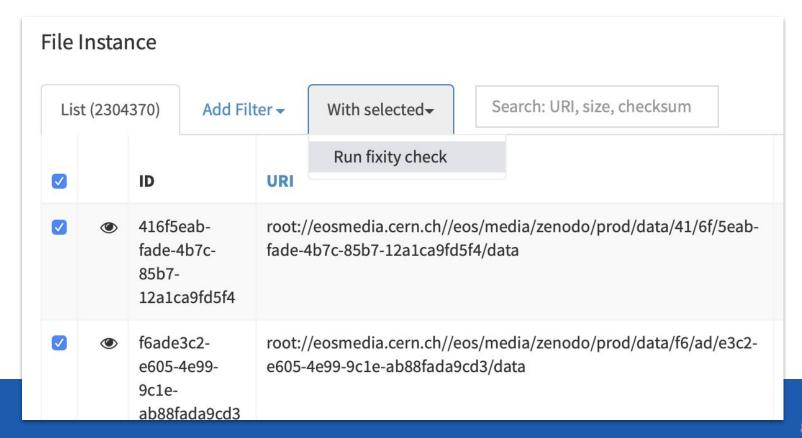


- Location (storage system)
- Bucket (folder)
- Object (file)
- ObjectVersion (file version)
- FileInstance (physical file)











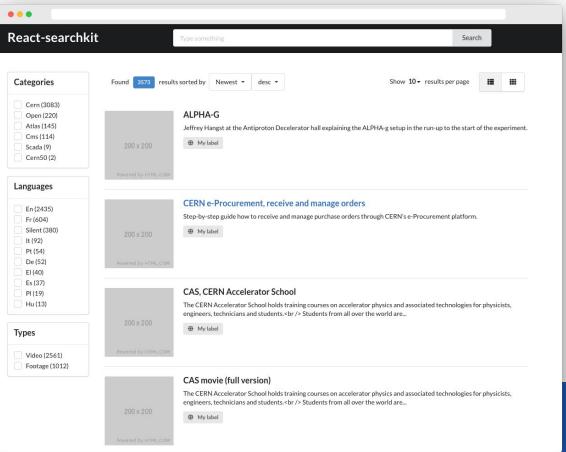
AngularJS to React

## React-SearchKit

A simple yet powerful UI search kit built with R

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# **Getting help**

Lars Holm Nielsen
CERN

# Where and how to get help?

## • Getting help

Didn't find a solution to your problem the Invenio documentation? Here's how you can get in touch with other users and developers:

## Forum/Knowledge base

https://github.com/inveniosoftware/troubleshooting

Ask questions or browse answers to exsiting questions.

### Chatroom

https://gitter.im/inveniosoftware/invenio

Probably the fastest way to get a reply is to join our chatroom. Here most developers and maintainers of Invenio hangout during their regular working hours.



### **GitHub**

• https://github.com/inveniosoftware

# Where and how to get help?

## •



Invenio Digital Library Framework.

## Navigation

Overview

Quickstart

Build a repository

Understanding data

models

Managing access to

records

Securing your instance

Infrastructure

architecture

Application architecture

Migrating to v3

Login with ORCID

History

Releases

Community

Build a module

Developing with Invenio

## Invenio v3

Open Source framework for large-scale digital repositories.



Invenio is like a Swiss Army knife of battle-tested, safe and secure modules providing you with all the features you need to run a trusted digital repository.

- Overview
  - Introduction
  - Bundles
  - Requirements
  - Getting help
- Quickstart
  - · Launch an Invenio instance
  - o Create, Display, Search Records
  - Next Steps
- Build a repository
  - Management scripts
  - · Python dependencies and packaging
  - Docker and Docker-Compose
  - Configuration
  - **Tests**
  - Documentation



# Where and how to get help?

## **Invenio-App**

WSGI, Celery and CLI applications for Invenio flavours.

## Navigation

Installation

Configuration

Usage

**API Docs** 

Contributing

Changes

License

Contributors

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## Quick search



## Invenio-App



WSGI, Celery and CLI applications for Invenio flavours.

Further documentation is available on https://invenio-app.readthedocs.io/

## User's Guide

This part of the documentation will show you how to get started in using Invenio-App.

- Installation
- Configuration
- Usage
  - Setting up your instance
  - Applications
  - Deployment

## **API Reference**

If you are looking for information on a specific function, class or method, this part of the documentation is for you.

# Community

# Roadmap

### Current

What we work on now

### Near-term

What we plan work on next

## **Future**

What we investigate

#### Development

#### Invenio v3.1 Release

- · Webpack and improved docker support.
- Scheduled for release in March 2019.

#### Community

## Invenio User Group Workshop 2019 and Invenio v3 Training Bootcamp

- Plan and prepare Invenio v3 Training Bootcamp @ CERN.
- Plan and prepare Invenio User Group Workshop 2019 (IUGW2019) to be held at Open Repositories 2019 in Hamburg.

### Development

#### Files Bundle

Document and prepare final releases of the following modules:

- Invenio-Files-REST
- Invenio-Records-Files
- Invenio-Previewer

### Development

#### Statistics Bundle

Document and prepare final releases of the following modules:

- Invenio-Stats
- Invenio-Queues
- COUNTER-Robots

#### Development

#### Invenio v3.2 Release

Files, Statistics bundles. Scheduled for release in mid-2019.

#### Development

#### Internationalization (I18N)

- Translate all v3.0 Invenio modules into at least one other language.
- Develop translation workflow into package release process.

### Development

#### **Deposit Bundle**

#### Development

#### Invenio RDM Flavour

Invenio Research Data Management (RDM) system based on Zenodo.

Funded via the CERN Knowledge Transfer Fund and collaborating institutes.

### Interoperability

#### COAR Next Generation Repositories (NGR)

- SWORD3
- ResourceSync
- Signposting
- COUNTER
- SUSHI

### See http://ngr.coar-repositories.org/

(with Japan National Institute of Informatics)



## Resources

- Releasing, documenting, ...:
  - Every 3-months: 14-day sprint (~15 people)
- New features:
  - 7 services @ CERN developing new features.



## Maintenance

- Architects: Long-term contributors (merge access everywhere)
- Maintainers: Significant contributions (merge access on specific repositories)

Serving the community



# Maintenance policy

## End of life dates

Release	<b>Earliest EOL Date</b>	Maintained until
v3.1.0	2020-03-31	v3.3.0
v3.0.1	2019-06-07	v3.2.0
v3.0.0	2019-06-07	v3.2.0
v2.x.y	2018-06-07	v3.0.0
v1.x.y	2018-06-07	v3.o.o



# Copyright policy

## Tracking copyright

### **Copyright statements**

Copyright statements must be included in:

- LICENSE file in the root of the repository.
- · Headers of all source code files.

Each copyright holder must have their own copyright statement:

```
Copyright (C) 2015-2018 CERN
Copyright (C) 2017 TIND
```

### **Copyright holders**

Each copyright holder **must** be a legal entity.

Copyright is tracked for non-trivial contributions (i.e. creative work). By default we consider anything above 15 lines for a non-trivial contribution. Examples for which we do not track copyright is e.g. fixing a typo or tiny bug fixes.

### **Maintainer responsibility**

Maintainers are responsible for asking each contributor who is the copyright holder of a given contribution (often, it's the employer who holds the copyright).

#### Attribution

Attribution is not tracked via copyright, but via the AUTHORS file.



# Copyright policy

## Explicit agreement

## **Contribtions only via GitHub**

All contributions must be opened via pull requests on GitHub.

This way contributors have agreed to the GitHub Terms of Use, which states:

"Whenever you make a contribution to a repository containing notice of a license, you license your contribution under the same terms, and you agree that you have the right to license your contribution under those terms."



# Code of conduct & governance

 Open, considerate, respectful: Over all, we're good to each other.

- Decision making: Strive for consensus.
- Conflict resolution: Product Manager (last resort CERN hierarchy)



# Invenio User Group Workshop 2019

- Open Repositories 2019:
  - June 10th: full day workshop
  - June 11-13th: Conference

Call for proposals



