

Invenio v3 Bootcamp

Report of Contributions

Contribution ID: 1

Type: **not specified**

Q&A (optional)

Wednesday, March 20, 2019 4:55 PM (1h 5m)

Contribution ID: 2

Type: **not specified**

Q&A

Tuesday, March 19, 2019 4:55 PM (1h 5m)

Contribution ID: 3

Type: **not specified**

Q&A

Thursday, March 21, 2019 4:00 PM (1h 30m)

Contribution ID: 4

Type: **not specified**

Welcome

Tuesday, March 19, 2019 9:00 AM (10 minutes)

Presenter: GONZALEZ LOPEZ, Jose Benito (CERN)

Contribution ID: 5

Type: **not specified**

Participants introductions and expectations

Tuesday, March 19, 2019 9:10 AM (15 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 6

Type: **not specified**

Introduction to Invenio

Tuesday, March 19, 2019 9:25 AM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 7

Type: **not specified**

Getting started with Invenio

Tuesday, March 19, 2019 9:35 AM (55 minutes)

In this session, we will first make sure everybody got connectivity and have the training material.

Afterwards, we will scaffold, install and run your first Invenio instance.

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 8

Type: **not specified**

Tour of Invenio

Tuesday, March 19, 2019 10:45 AM (30 minutes)

In this session, we will explore Invenio from a user's perspective. We will see the different parts of the user interface, we will explore the REST API and we will create, submit and search for records.

Presenter: IOANNIDIS, Alexandros (CERN)

Contribution ID: 9

Type: **not specified**

Infrastructure overview

Tuesday, March 19, 2019 11:15 AM (45 minutes)

In this session, we will explore the underlying infrastructure of an Invenio repository. We will see the database, search engine, cache, message queue, load balancer, web server, application server, application background workers. We will explore tools to interact with the services and we will see monitoring and debugging interfaces like Flower, Kibana and RabbitMQ management interface.

Presenter: IOANNIDIS, Alexandros (CERN)

Contribution ID: **10**

Type: **not specified**

Running Invenio

Tuesday, March 19, 2019 1:30 PM (30 minutes)

In this session, we will explore basic concepts and commands that are useful for the day-to-day development and running of an Invenio instance.

Presenter: IOANNIDIS, Alexandros (CERN)

Contribution ID: **11**

Type: **not specified**

Customising the look and feel

Tuesday, March 19, 2019 2:00 PM (1 hour)

In this session we will customize minor visual elements of our Invenio instance, like the logo of our instance, the colors and fonts, the way search results for records are displayed and the display page for every record.

Presenter: IOANNIDIS, Alexandros (CERN)

Contribution ID: 12

Type: **not specified**

Anatomy of a repository

Tuesday, March 19, 2019 3:15 PM (45 minutes)

In this session we will discuss about the files contained in the repository, how to initialise git for the project, build the documentation. We will learn about the supporting services and how to run them for development.

Presenter: PRZERWA, Karolina (CERN)

Contribution ID: 13

Type: **not specified**

Data models: Add a new field

Wednesday, March 20, 2019 9:00 AM (1h 30m)

In this session, we will learn how to update our datamodel. We will show you how to update your JSONSchema in order to store a new field in the database and your Elasticsearch mapping so you can search for it. Moreover we will learn how Marshmallow schema can be used by your loaders and serializers to validate/transform your data.

Presenter: ZACHARODIMOS, Zacharias (National Technical Univ. of Athens (GR))

Contribution ID: 14

Type: **not specified**

Data models: Build from scratch

Wednesday, March 20, 2019 10:45 AM (1h 15m)

Presenters: RODRIGUEZ RODRIGUEZ, Diego (CERN); ZACHARODIMOS, Zacharias (National Technical Univ. of Athens (GR))

Contribution ID: 15

Type: **not specified**

Build a simple deposit form

Wednesday, March 20, 2019 1:30 PM (30 minutes)

The goal of this session is to learn how we can build a new simple form to be able to deposit new records validating user input. The invenio-deposit module is not in the scope of this exercise.

Presenter: TAROCCO, Nicola (CERN)

Contribution ID: **16**

Type: **not specified**

Managing access to records

Wednesday, March 20, 2019 3:15 PM (1h 30m)

The goal of this session is to be able to protect your records individually and your views with permission factories and decorators.

Presenter: PRZERWA, Karolina (CERN)

Contribution ID: 17

Type: **not specified**

Securing your Invenio instance

Thursday, March 21, 2019 9:00 AM (1h 30m)

In this session, we will discover the key points which will ensure that your Invenio instances are secure. We will learn how to protect the web application with configuration, package management and authentication.

Presenter: RODRIGUEZ RODRIGUEZ, Diego (CERN)

Contribution ID: **18**

Type: **not specified**

Deployment and monitoring

Thursday, March 21, 2019 10:45 AM (1h 15m)

In this session we will present how tune deployment configuration of each part of the infrastructure and how to size it to be able to serve a targeted number of requests. We will also explain what to monitor and a few tips on how to take advantage of logging.

Presenter: TAROCCO, Nicola (CERN)

Contribution ID: 19

Type: **not specified**

Application architecture

Thursday, March 21, 2019 1:30 PM (1h 20m)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 20

Type: **not specified**

Roadmap and Invenio development @ CERN

Thursday, March 21, 2019 3:00 PM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: **21**

Type: **not specified**

Feedback

Thursday, March 21, 2019 3:10 PM (20 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 22

Type: **not specified**

Closing

Thursday, March 21, 2019 3:30 PM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 23

Type: **not specified**

Recap

Thursday, March 21, 2019 2:50 PM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 24

Type: **not specified**

Recap

Wednesday, March 20, 2019 4:45 PM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 25

Type: **not specified**

Recap

Tuesday, March 19, 2019 4:45 PM (10 minutes)

Presenter: NIELSEN, Lars Holm (CERN)

Contribution ID: 26

Type: **not specified**

Data models: Linking records

Wednesday, March 20, 2019 2:00 PM (1 hour)

The goal of this session is to learn how to take advantage of Elasticsearch to index records in a format that can be more adapted to our needs. We will also learn how we can link records using references, with a technique similar to JSON Reference.

Presenter: TAROCCO, Nicola (CERN)

Contribution ID: 27

Type: **not specified**

Fix me

The goal of this session is to become familiar with Invenio instance testing.

Presenter: PRZERWA, Karolina (CERN)

Contribution ID: 28

Type: **not specified**

Dealing with Python dependencies

Tuesday, March 19, 2019 4:00 PM (45 minutes)

This session will provide us with basic information about how to manage python dependencies in development environment.

Presenter: PRZERWA, Karolina (CERN)