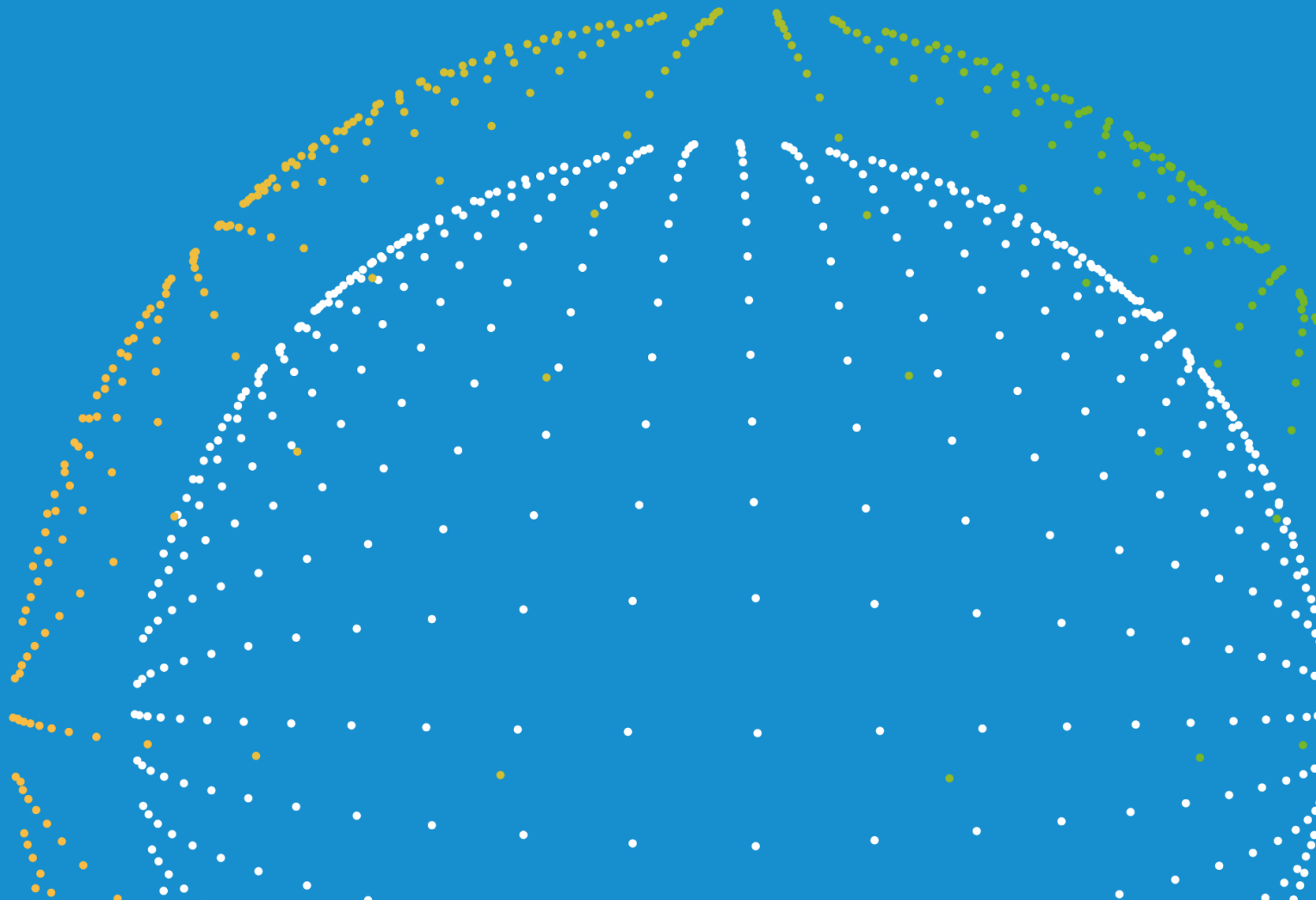
Data Spaces Symposium

IDSA Basecamp



Rainer Sträter
Klaus Ottradovetz

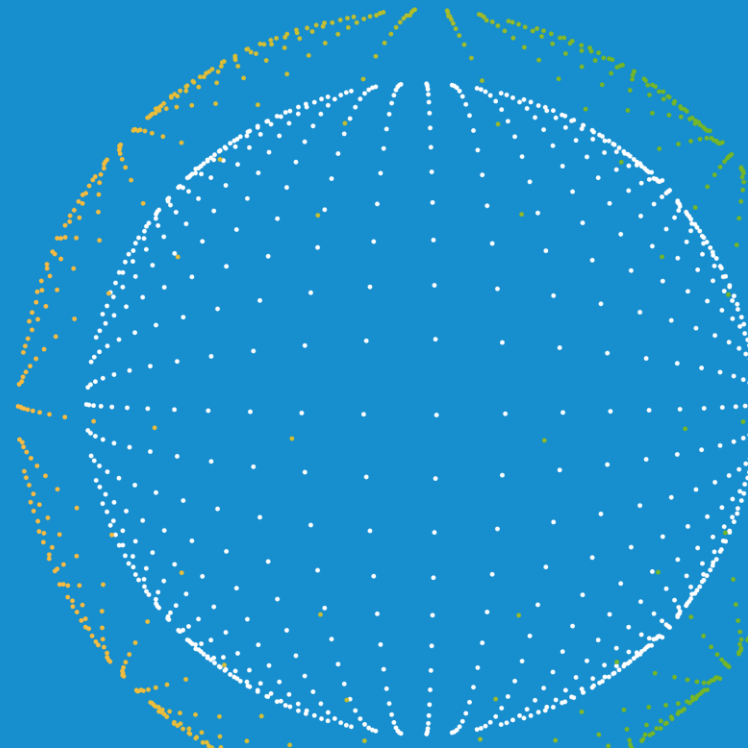
01 Mission from Launch Coalition 2023

- Let‘s build a Basecamp for Data Spaces

  - Simplify the setup of Data Spaces by providing a mature set of easy-to-deploy and integrated infrastructure components: DAPS, ParIS, Metadata Broker, (IDSA) Clearing House in v1

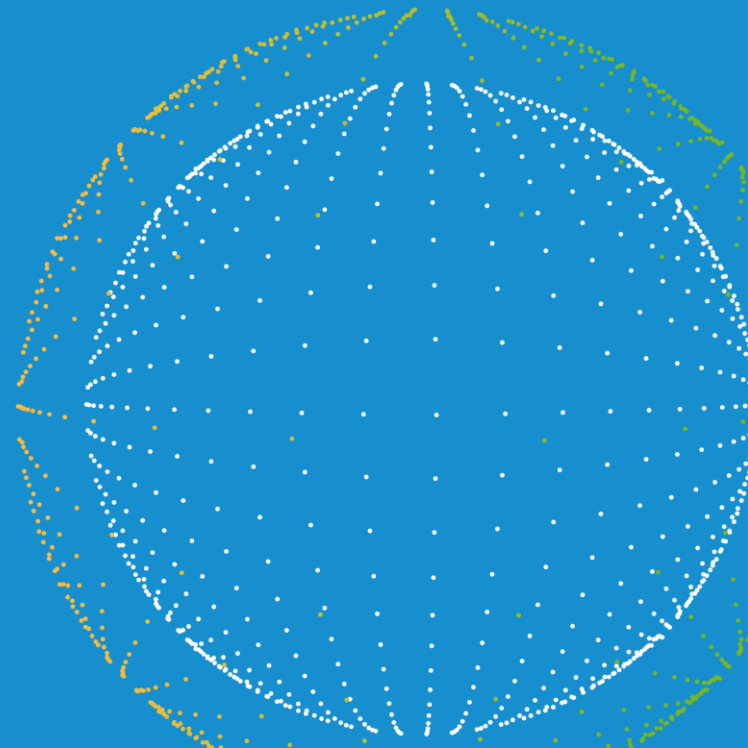
  - The code base should embed contributions from productive projects and address a high technical readiness level to be able to provide a basis for creating environments for the full lifecycle: Incubation, Testbeds, Production

  - Open Source Software without commercial restrictions; Maintainer is the IDSA



Where are we today?

- Basecamp is available (IDSA GitHub)
- Quick Start available
  - Creates complete environment
  - Based on set of integrated components
    - RAM 4.0, EDC Milestone 0.8
  - Leverage contributions of contribution to productive data spaces
- Call for contribution



Read Me

ids-basecamp/README.md at feat/quick-start-guide · ids-basecamp/ids-basecamp (github.com)

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IDS Basecamp

The IDS basecamp is a software distribution of components to build and operate an IDS Data Space. It's a project build from an OSS repository which integrates contributions from differnet projects to allow us to work on a common code basis which:

- makes it easy for data spaces to work on a basis of integrated components which are proven in productive environments
- allows all contributors to participate from the learnings and also investements from other projects

The goal is to enable developers, testbeds and productive systems to be able to work on a common basis and leverage the power of many to constantly improve the code set whilst maintaining the highest level of interoperability. At the same time the efforts of project teams can shift from setup and integration of basic services towards the value of creating use cases. It includes experiences from commercial operators with validated security, scalability and maintainability requirements and is used in productive environments. It does not contain any proprietary elements and the project is available to all parties willing to contribute. It can be extended with additional components and services (like onboarding workflows, integration with ID or certificate providers, testbeds, different type of connectors).

The general approach in building a distribution is a community process following the schema:

Data Spaces built according to the IDSA specifications are growing in numbers and complexity. The Basecamp initiative is working towards the creation of an integrated and tested set of OSS components which can be used in pilot as well as in productive environments, leveraging the experience and from contributions of projects in all stages of the lifecycle.

Quick Start

ids-basecamp/ids-basecamp at feat/quick-start-guide (github.com)

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Quick Start Guide - IDS Basecamp

This is a demo and a faster way to up the ids-basecamp ecosystem and understand how it works.

Supported Systems

- Linux (or WSL on windows)
- Mac Os

Requirements

- Git
- Docker

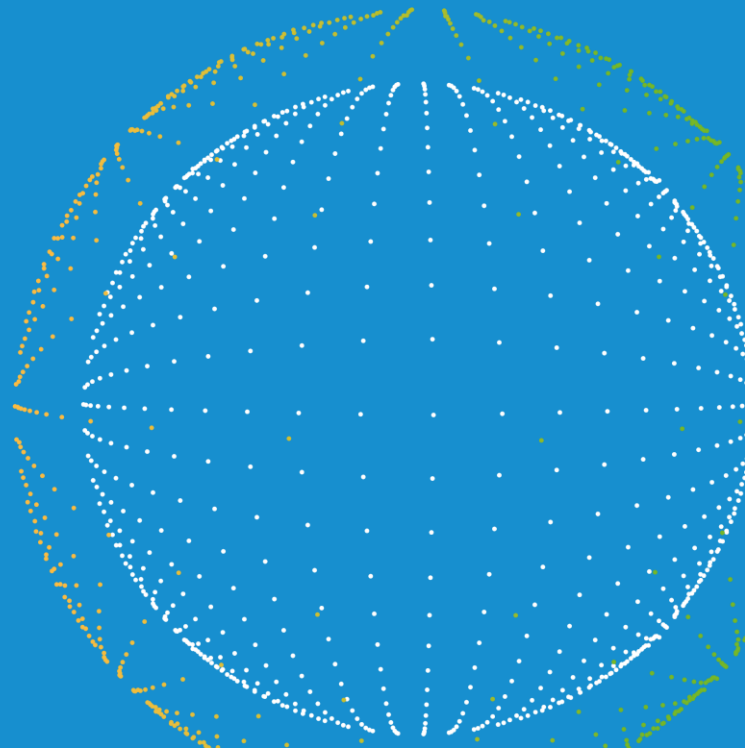
How to run

- Clone the ids-basecamp repository
- Go to quick-start-guide directory
- To start the environment run the code below:

```
docker-compose -p ids-basecamp up -d
```

- To shutdown the environment run the code below:

```
docker-compose down
```



available Components

ids-basecamp/ids-basecamp at feat/quick-start-guide (github.com)

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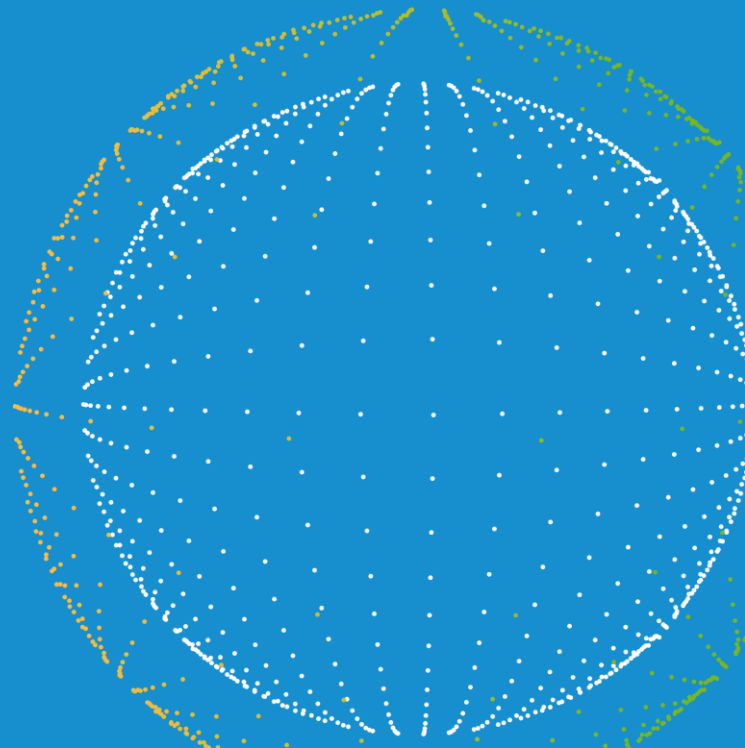
About the containers

About the containers

In this demo environment, the following containers will be launched:

- Postgres
  - Relational database used by Broker, Container 1, Container 2 and Clearing House App containers
- DAPS
  - IDS DAPS implementation used by Broker, Container 1, Container 2 and Clearing House EDC containers
- Clearing House App
  - IDS Clearing House implementation, with a REST API
- Clearing House EDC
  - Multipart protocol API to communicate with Clearing House App REST API, used by Connector 1 and Connector 2 containers
- Broker
  - IDS Broker implementation used by Connector 1 and Connector 2 containers
- Connector 1 and Connector 2
  - IDS Connector implementations using a EDC Milestone 8 implementation



Who is already participating?

- truzzt Members

  (IONOS, Atos, Orbiter, pi-lar, nexyo, Dengun)
- GAIA-X Hub Germany
- TNO
- Mobility Data Space
- …
- And everybody who wants to join!