The Bit Repository project

Welcome to the Bitrepository project. The purpose of the Bitrepository system is to enable longterm preservation of data in a distributed, highly redundant architecture.

The data integrity is ensured by using multiple, independently developed data storage systems (Pillars) across different organizations, together with functionality for maintaining the Integrity of the data over time. The Bitrepository project consists of:

- Communication and file exchange protocol.
- Messagebus based communication infrastructure.
- Reference clients and services.
- Framework for defining the required qualities of the system services.
- Service hosting for both direct Pillar access and higher level services through clients (The National Danish Bit Repository).

Content

- Userguide — Installation and usage documentation for the Bit Repository Reference System.
- Releases — Contains the listing of the Bitrepository code including reference implementations.
- Protocol — This describes the protocol for the Bit Repository.
- Architecture — Overview of the systems structural elements and relationships based on a concrete architecture.
- Reference system — Description of the reference system being developed based on the concrete Architecture defined in the project.
- The National Danish Bit Repository — Describes the Bit Repository system operated by the danish national archiving institutions.
- Development — Information relevant for Bit Repository developers, primarily the Java based reference system.
- Project — Information about the projects tasks, plans, resources, meetings, etc.

An overview of the bit repository - with examples of pillars, clients and services. Principles for information between system components and a more general overview of the system followed by can be found under System overview.
Issue tracker
Continuous integration
Source code
Code analysis
Downloads: Releases/Nightly
Reviews

Mailing lists

- Bitrepository-user
- Bitrepository-devel
## News

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<td>Blog: <strong>Bitrepository 1.2 is out</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>Bitrepository 1.1 has been release</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>1.0 has been released</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>Reference-0.10 released</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>Protocol-7 and Reference-0.6 released</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>Protocol and Reference code 0.4 release</strong> created by Mikis Seth Sørensen</td>
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<td>Blog: <strong>Wiki dokumentation migreret</strong> created by Mikis Seth Sørensen</td>
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<td>Nov 04, 2010</td>
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<td>Blog: <strong>Projekets værktøjsplatform på plads</strong> created by Mikis Seth Sørensen</td>
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<td>Oct 25, 2010</td>
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## Updates

### Recently Updated

- **Reference system 1.9**
  - Updated: Mar 11, 2020
  - View change

- **RepositorySettings**
  - Updated: Mar 11, 2020
  - View change

- **Message format**
  - Updated: Mar 11, 2020
  - View change

- **Pillar Acceptance test**
  - Updated: Feb 06, 2020
  - View change

- **Quickstart**
  - Updated: Jan 13, 2020
  - View change

## Contributors

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- Kim Christensen
- Jonas Lindberg Frellesen
- Asser Schrøder Femø