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.
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<td>• Bitrepository-user</td>
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### News

**Blog Posts**

- Blog: Bitrepository 1.2 is out created by Mikis Seth Sørensen
  - Bitrepository Mar 06, 2014

- Blog: Bitrepository 1.1 has been release created by Mikis Seth Sørensen
  - Bitrepository Nov 22, 2013

- Blog: 1.0 has been released created by Mikis Seth Sørensen
  - Bitrepository Aug 29, 2013

- Blog: 0.22 release is out created by Mikis Seth Sørensen
  - Bitrepository Jan 14, 2013

- Blog: Bit Repository 0.19 release is out created by Mikis Seth Sørensen
  - Bitrepository Sep 07, 2012

- Blog: Reference-0.10 released created by Mikis Seth Sørensen
  - Bitrepository Mar 21, 2012

- Blog: Protocol-7 and Reference-0.6 released created by Mikis Seth Sørensen
  - Bitrepository Jan 03, 2012

- Blog: Protocol and Reference code 0.4 release created by Mikis Seth Sørensen
  - Bitrepository Nov 17, 2011

- Blog: Wiki dokumentation migreret created by Mikis Seth Sørensen
  - Bitrepository Nov 04, 2010

- Blog: Projekts værktøjsplatform på plads created by Mikis Seth Sørensen
  - Bitrepository Oct 25, 2010

### 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

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