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.
<table>
<thead>
<tr>
<th>Issue tracker</th>
<th>Continuous integration</th>
<th>Source code</th>
<th>Code analysis</th>
</tr>
</thead>
</table>

**Downloads:** [Releases](#)/[Nightly](#)

**Reviews**

### Mailing lists

- Bitrepository-user
- Bitrepository-devel
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, 2013

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: Projektets 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

Repository/Settings
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

Mikis Seth Sørensen
Kim Christensen
Jonas Lindberg Frellesen
Asser Schröder Fema