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
### 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:** Projekets 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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