

# The Bit Repository project

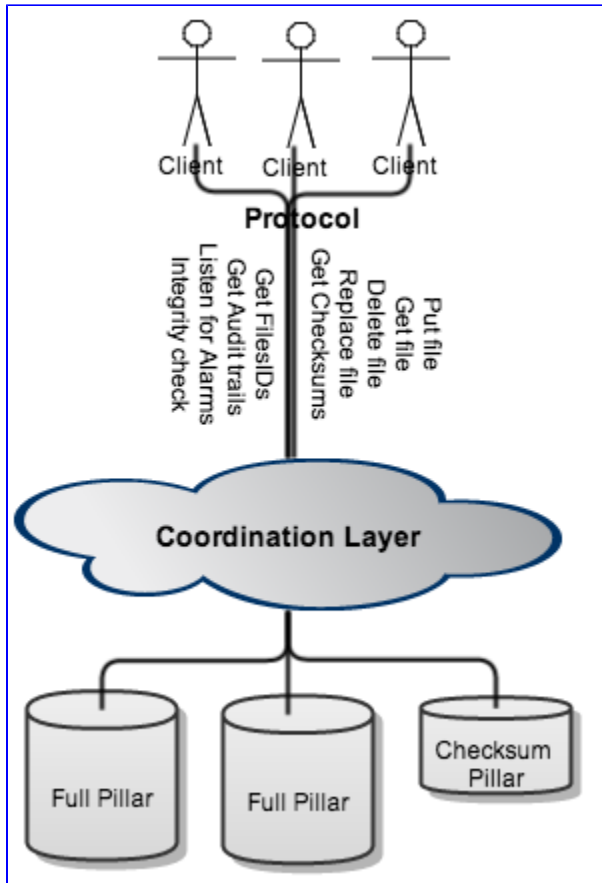
Welcome to the Bitrepository project. The purpose of the Bitrepository system is to enable longterm preservation of data in a distributed, highly redundant architecture.

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, ressources, 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](#).



# BITREPOSITORY.ORG

[Issue tracker](#)  
[Continuous integration](#)  
[Source code](#)  
[Code analysis](#)  
**Downloads:** [Releases](#)/[Nightly](#)  
[Reviews](#)

## Mailing lists

- [Bitrepository-user](#)
- [Bitrepository-devel](#)

## 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: [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](#)

[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](#)

[Mikis Seth Sørensen](#)

[Kim Christensen](#)

[Jonas Lindberg Frellesen](#)

[Asser Schrøder Femø](#)