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**.
Issue tracker
Continuous integration
Source code
Code analysis
Downloads: Releases/Nightly
Reviews

Mailing lists

- Bitrepository-user
- Bitrepository-devel

News

Blog stream
Create a blog post to share news and announcements with your team and company.

Updates

Recently Updated
FAT 1.10
updated yesterday at 10:31 AM
view change
GetFileIDs tests
updated yesterday at 10:29 AM
view change
bitrepository-client-1.10-RC1.zip
attached yesterday at 10:16 AM
FAT 1.10
updated Mar 10, 2022
view change
PutFile tests
updated Mar 09, 2022
view change