

# Audit Trails Service description

The audit trails service purpose is to collect, store, and secure audit trails, along providing access to them. Audit trails are the log of what have transpired in a collection on a per file basis. The audit trails service is responsible for collecting audit trails from the various contributors, and storing them so they can be accessed and viewed.

To fulfill the responsibilities the service have the following functionality:

- Audit trail collection workflows, for incrementally collecting audit trails from the various contributors. The workflow can be triggered manually, or automatically based on a schedule.
- Displaying the collected audit trails, including filtering functionality for narrowing the view.
- Preservation workflow for securing the collected audit trails in a Bitrepository collection.

## Audit trail contributors

The currently existing audit trail contributors are the following:

- Pillars
- Integrity service

## Audit trail preservation

The preservation of audit trails are performed with regular intervals, and in an incremental fashion.

When the preservation workflow runs, what have not been preserved is extracted from the database and placed in a file. The file is then compressed, and using the putfile functionality it is secured in a configured collection.

## Outstanding Audit trail issues (13 issues)

T	Key	Summary
	BITMAG-1017	Automatic and semi-automatic database migration test
	BITMAG-980	Add preservation information to the audit trail GUI
	BITMAG-947	Audit trails for put file and replace file should contain checksum info
	BITMAG-683	Extend DatabaseSpecifics in the ReferenceSettings with additional C3P0 parameters
	BITMAG-1108	Allow for sorting in the retrieved audit trails
	BITMAG-1055	AuditTrailService does not remove preservation files at dav-server
	BITMAG-1020	Preserved audittrail file in zip shouldn't contain temp dir path
	BITMAG-996	Add 'Click-to-filter' functionality to Audit Trail GUI
	BITMAG-984	Add functionality to audit trail service gui to page through long lists of audit trails
	BITMAG-879	Create Audit trail command line client
	BITMAG-785	Fix AuditTrailServiceTest#auditTrailServiceTest
	BITMAG-651	Make the AuditTrailService and the MonitoringService use the workflow interface
	BITMAG-986	Audits for contributors/collections removed from Repository settings, are not preserved

13 issues