

# Reference system 0.19

Planned release 1st August 2012.

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## Highlights

- Major rework on client handling of pillar failure messages.
- Pu and Delete client now exhibit idempotent behaviour
- A full command line client is now included.
- Lots of bug fixes.
- Checksum caching implemented in reference and kb pillar.

## Updating from 0.18

ReferencePillar:

The previous commands for starting and stopping:

```
reference-pillar-startup-script.sh
reference-pillar-shutdown-script.sh
```

has been replaced by the one script, 'reference-pillar.sh', with the arguments:

```
reference-pillar.sh start
reference-pillar.sh stop
```

It has also been improved with the options:

```
reference-pillar.sh status
reference-pillar.sh restart
```

ChecksumPillar

Similar changes as ReferencePillar. The script is just called 'checksum-pillar.sh' instead, and it is replacing the scripts 'checksum-pillar-startup-script.sh' and 'checksum-pillar-shutdown-script.sh'.

### Dependencies

[Message-XML-21](#)  
[Collection-settings 0.9](#)

### Downloads



- [Alarm service.](#)
- [Audit trail service.](#)
- [Status service.](#)
- [Integrity service.](#)

### Maven site

















[List of issues resolved in this release.](#)

T	Key	P	Summary
	BITMAG-599		Client's doesn't generate 'failed' operation events in 'Performing' operation phase when component fail
	BITMAG-650		Create a commandline interface which directly uses clients
	BITMAG-670		Integrity service sends alarm claiming that checksums are missing for all file, even though the workflow collecting it has just been run
	BITMAG-677		Put client fails if return checksums are requested and a checksumpillar is involved
	BITMAG-678		SB pillar are unable to return salted checksums for putFile
	BITMAG-686		Add checksum cache to KB pillar
	BITMAG-700		GetChecksums on a single pillar is broken
	BITMAG-552		Clean up AbstractConversation
	BITMAG-598		It should be possible to putFiles, even though only a subset of the pillars are available
	BITMAG-627		The reference pillar should cache checksums
	BITMAG-654		KB pillar don't send checksum for existing file when a put file identification fails due to DUPLICATE_FILE_FAILURE
	BITMAG-660		Improve client modeling of failure state
	BITMAG-673		Extend commandline client with complete commandSet
	BITMAG-674		Wrong alarm type for integrity problems
	BITMAG-675		Bad description in IntegrityService Alarm regarding ObsoleteChecksums
	BITMAG-685		FILE_NOT_FOUND events are not handled in deleteClient
	BITMAG-694		Blocking sends in reference clients doesn't cause timeouts
	BITMAG-695		NullPointerException in SB pillar when deletion file with requested salted checksum
	BITMAG-702		Add the AlarmCode 'INTEGRITY_ISSUE'
	BITMAG-514		Add filtering capabilities of alarms on webclient and alarm service

Showing 20 out of 33 issues

### Known bugs found in this release

T	Key	P	Summary	Fix Version/s
	BITMAG-717		PutFile client crashes when putting file to checksum pillar without requesting a return checksum.	Iteration 25, 0.19.1
	BITMAG-709		Unable to put file to reference pillar in 2nd try if 1st try fails due to wrong checksum	Iteration 26, 0.20

	BITMAG-718		GetFile generates a failed event if a checksum pillar is present	Iteration 26, 0.20
	BITMAG-721		The date filter doesn't work in the Alarm webclient	0.22
	BITMAG-707		NullPointerException in reference pillar when PutFile FileSize=null	Iteration 26, 0.20
	BITMAG-720		Permissions should not be checked for responses	0.21
	BITMAG-708		Get file does not reflect that a nonexistant file id could not be retrieved	Iteration later
	BITMAG-733		The Put client doesn't exhibite idempotent behaviour when a <code>DUBPLICATE_FILE_FAILURE</code> is received in the performing phase	0.24
	BITMAG-719		The HexUtils class should not log anything	Iteration 26, 0.20
	BITMAG-715		Reference/checksum pillar distribution archive has wrong permissions	0.22

10 issues