

MDT changelogs documentation

***** DRAFT (work in progress) *****

The purpose of this document is to list MDT changelog record types, the cases when they are triggered, and give a description of their content.

- **CL_HSM**

This record type is triggered for HSM-specific events (archive, restore...).

tfid indicates the targeted object

cr_flags include information about the event or action, its completion status, and additional information about HSM status.

It can be accessed using the following helpers:

- `hsm_get_cl_event(cr_flags)` returns the type of event or action:
 - HE_ARCHIVE: an 'archive' action completed
 - HE_RESTORE: a 'restore' action completed
 - HE_CANCEL: an HSM action was canceled
 - HE_RELEASE: file objects have been released
 - HE_REMOVE: remove action has been processed by the copytool
 - HE_STATE: HSM state bits have changed
- `hsm_get_cl_error(cr_flags)` returns the status for this action:
 - on success: CLF_HSM_SUCCESS
 - on failure: a value between 0x01 and CLF_HSM_MAXERROR=0x7E (error code)
 - CLF_HSM_ERROVERFLOW if the error code is greater than CLF_HSM_MAXERROR
- `hsm_get_cl_flags(cr_flags)` returns a bitmask about HSM status
 - `(mask & CLF_HSM_DIRTY)`: indicate the file is dirty

pfid and name fields are not set in CL_HSM records.