

<<F' Component>>
MessageStorage

<<Ports>>

<<guarded>> <<input>> storeMessage(data: UserMessage)
<<guarded>> <<input>> loadMessageFromIndex(index: U32, &data: UserMessage) : UserMessageValid
<<guarded>> <<input>> loadMessageLastN(numberOfMessages: U8, &lastMessages: UserMessage_Batch) : U8

<<Events>>

<<activity low>> MESSAGE_STORE_COMPLETE(storage_index: U32)
<<warning high>> MESSAGE_STORE_FAILED(storage_index: U32, stage: MessageWriteError, error_code: I32)
<<activity low>> MESSAGE_LOAD_COMPLETE(storage_index: U32)
<<warning low>> MESSAGE_LOAD_FAILED(storage_index: U32, stage: MessageReadError, error_code: I32)
<<activity low>> INDEX_RESTORE_COMPLETE(index: U32)
<<warning high>> INDEX_RESTORE_FAILED(stage: IndexRestoreError, error_code: I32)
<<warning low>> INDEX_WRAP_AROUND()
<<warning low>> STORAGE_DIRECTORY_WARNING(directory: string 128, was_able_to_create: bool)

<<Telemetry>>

NEXT_STORAGE_INDEX: U32
STORE_COUNT: U32
LOAD_COUNT: U32