

## LTTng-tools - Feature #1197

### Use renameat2() to atomically exchange metadata on metadata regenerate

09/23/2019 12:56 PM - Mathieu Desnoyers

<b>Status:</b>	New	<b>Start date:</b>	09/23/2019
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>When using shm-path, a use-case is to expect the sessiond or the system to crash at any point during tracing.</p> <p>If such a crash occurs while regenerating the metadata, lttng-crash may find a truncated file.</p> <p>It would be nice if we could generate the new metadata in a ".metadata.new" file while keeping the old file around, and then exchange both files using renameat2().</p> <p>However, renameat2() appeared in kernel 3.15, so we would have to figure out a fallback.</p>			