

## LTTng-tools - Bug #1002

### lttng snapshot on an empty tracing session results in an unknown error with --mi=xml

03/14/2016 03:22 PM - Jérémie Galarneau

<b>Status:</b>	Resolved	<b>Start date:</b>	03/14/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jonathan Rajotte Julien	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.8		

#### Description

Recording a snapshot on a session which has recorded no events results in the following output in MI output mode:

```
$ lttng --mi=xml snapshot record | xmllint --format -
Error: Unknown error code
Error: Command error
<?xml version="1.0" encoding="UTF-8"?>
<command xmlns="http://lttng.org/xml/ns/lttng-mi" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://lttng.org/xml/ns/lttng-mi http://lttng.org/xml/schemas/lttng-mi/3/lttng-mi-3.0.xsd" schemaVersion="3.0">
  <name>snapshot</name>
  <output>
    <snapshot_action>
      <name>record</name>
      <output/>
    </snapshot_action>
  </output>
  <success>>false</success>
</command>
```

(Unknown Error Code + Command error)

while the human output results in the following output:

```
$ lttng snapshot record
Warning: No data available in snapshot
```

Also, the commands should not result in an error (warning is fine) since the user has no control on whether or not applications (or the kernel) have produced any event between the start of the tracing session and the recording of the snapshot.

#### Associated revisions

##### Revision dad01b0a - 04/04/2016 03:38 PM - Jonathan Rajotte Julien

Fix: do not return error on LTTNG\_ERR\_SNAPSHOT\_NODATA

A warning is fine since the user has no control on whether or not applications (or the kernel) have produced any event between the start of the tracing session and the recording of the snapshot.

MI wise the command is not a success since nothing was recorded. The command line return code is CMD\_SUCCESS.

refs #1002

Signed-off-by: Jonathan Rajotte <[jonathan.rajotte-julien@efficios.com](mailto:jonathan.rajotte-julien@efficios.com)>  
Signed-off-by: Jérémie Galarneau <[jeremie.galarneau@efficios.com](mailto:jeremie.galarneau@efficios.com)>

##### Revision 1862dfe0 - 04/04/2016 03:38 PM - Jonathan Rajotte Julien

Refactor: embed mi in "record" to remove code duplication

Reduces the number of possible code paths and ensure a coherent return path.

fixes #1002

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**Revision b3cf44b5 - 04/04/2016 04:58 PM - Jonathan Rajotte Julien**

Fix: do not return error on LTTNG\_ERR\_SNAPSHOT\_NODATA

A warning is fine since the user has no control on whether or not applications (or the kernel) have produced any event between the start of the tracing session and the recording of the snapshot.

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**Revision 6006d2be - 05/20/2016 08:21 PM - Jonathan Rajotte Julien**

Fix: do not return error on LTTNG\_ERR\_SNAPSHOT\_NODATA

A warning is fine since the user has no control on whether or not applications (or the kernel) have produced any event between the start of the tracing session and the recording of the snapshot.

MI wise the command is not a success since nothing was recorded. The command line return code is CMD\_SUCCESS.

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**Revision 4bab9f0d - 05/20/2016 08:42 PM - Jonathan Rajotte Julien**

Fix: do not return error on LTTNG\_ERR\_SNAPSHOT\_NODATA

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MI wise the command is not a success since nothing was recorded. The command line return code is CMD\_SUCCESS.

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## History

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**#1 - 03/21/2016 04:48 PM - Jonathan Rajotte Julien**

- Status changed from New to Feedback

See <https://lists.lttng.org/pipermail/lttng-dev/2016-March/025661.html>

**#2 - 03/21/2016 04:48 PM - Jonathan Rajotte Julien**

- Assignee set to Jonathan Rajotte Julien

**#3 - 04/04/2016 12:45 PM - Jonathan Rajotte Julien**

- Status changed from Feedback to Resolved

- % Done changed from 0 to 100

Applied in changeset tools|commit:1862dfe0f2d0a7a1ec9a2a127b5559d400db05ba.