

## Kepler - Bug #4310

### ValueListeners receive valueChanged events when values have not changed

08/13/2009 11:34 AM - Daniel Crawl

<b>Status:</b>	New	<b>Start date:</b>	08/13/2009
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Crawl	<b>% Done:</b>	0%
<b>Category:</b>	general	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.X.Y	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	4310		

#### Description

A ValueListener sometimes receives events for a Settable when the Settable's value has not changed. This can lead to a stack overflow since reading the value of the Settable may generate another valueChanged event.

To fix this, valueChanged not be called unless the value has actually changed.

#### History

##### #1 - 08/17/2009 08:46 AM - Christopher Brooks

We need a test case for this.

##### #2 - 08/26/2009 02:26 PM - Matt Jones

The implications for this are not clear. Sounds like it is a serious bug that should be fixed, but we need a more detailed test case demonstrating the problem. Dan -- please either provide a way to reproduce this or retarget it to 2.X.Y.

##### #3 - 08/26/2009 02:52 PM - Daniel Crawl

Calling getValueAsString on Distributor.input\_tokenConsumptionRate always generates a value changed event.

##### #4 - 08/26/2009 06:43 PM - Bertram Ludaescher

getValueAsString sounds like a "read only" activity, so I understand that a "valueChanged" event is a surprise, if not a bug. I'm glad we're not doing Heisenberg or other quantum experiments here..

More seriously: I wanted to confirm (maybe Edward would know) whether there is not a deeper reason why valueChanged is raised. It certainly sounds as if it shouldn't be though ...

If it results in a stack overflow, we are in trouble..

B

##### #5 - 03/27/2013 02:26 PM - Redmine Admin

Original Bugzilla ID was 4310