

## Arvados - Bug #9996

### [keep-balance] Stop retrieving collections from API if the run is going to be aborted anyway

09/08/2016 08:51 PM - Tom Clegg

<b>Status:</b> Resolved	<b>Start date:</b> 09/08/2016
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assigned To:</b>	<b>% Done:</b> 100%
<b>Category:</b> Keep	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b>	
<b>Background</b>	
<p>Currently, if one of the <code>srv.Index()</code> goroutines encounters an error, <code>GetCurrentState</code> returns, but its other goroutines keep running. This is wasteful (it puts load on the API server, and the results will never be used) and makes logs confusing (you can get interleaved "collections: x/y" messages from the doomed run and a subsequent run).</p> <p>The <code>EachCollection</code> loop already checks <code>len(errs)&gt;0</code>, but <code>len(errs)&gt;0</code> is only true for a very short time after the first error because "return &lt;-err" consumes it. Therefore, if only one error happens, the <code>EachCollection</code> loop probably won't realize that it should stop.</p>	
<b>Proposed fix</b>	
<p>At the end of <code>GetCurrentState</code>, don't call <code>wg.Wait()</code> from a goroutine and rely on <code>errs</code> to decide when to return. Instead, call <code>wg.Wait()</code> and <i>then</i> check <code>len(errs)</code> to decide whether to return &lt;-err or nil.</p>	
<b>Related issues:</b>	
Related to Arvados - Bug #9918: keep-balance fails with "Malformed index line..."	<b>Resolved</b> <b>09/01/2016</b>

#### Associated revisions

##### Revision 78468434 - 09/08/2016 09:06 PM - Tom Clegg

Merge branch '9996-stop-on-error'

closes #9996

#### History

##### #1 - 09/08/2016 09:10 PM - Tom Clegg

- Status changed from New to Resolved

- % Done changed from 0 to 100

Applied in changeset arvados|commit:7846843453df9846c346f85c20a8d6d051066f52.

##### #2 - 09/08/2016 10:45 PM - Joshua Randall

Thanks, Tom!