

Arvados - Bug #9900

[Crunch2] [API] Add ephemeral "run token" for running containers

08/31/2016 04:02 PM - Tom Clegg

Status: Resolved	Start date: 08/31/2016
Priority: Normal	Due date:
Assigned To:	% Done: 0%
Category: Crunch	Estimated time: 0.00 hour
Target version:	
Description	
Background	
<p>Currently it is possible for a container to be locked by two dispatch processes at once (see #9898).</p> <p>Also, we want to avoid passing a long-lived auth token to compute nodes.</p>	
Resolution	
<p>Add a "run_auth_uuid" column to the containers table.</p> <ul style="list-style-type: none">• When state changes to Locked (i.e., during the "lock" action) generate a new token and store its UUID here.• When state changes to Queued, Complete, or Cancelled, invalidate the token and set this attribute to nil.• Include the token in the response to the "lock" API.• Do not include the token in any other API response. <p>The new token should have its scope restricted to /arvados/v1/containers/ and should be permitted to update the container (currently, only the locked_by_uuid token can update a locked container).</p> <p>The token indicated by locked_by_uuid should still be permitted to unlock the container, but not perform other updates.</p> <p>Update crunch-dispatch-* to pass the new token (instead of its own dispatch token) to crunch-run.</p>	
Related issues:	
Related to Arvados - Bug #9898: [Crunch2] [API] Add explicit container lock/u...	Resolved 08/31/2016
Related to Arvados - Feature #8128: [Crunch2] API support for crunch-dispatch	Resolved 04/28/2016
Copied from Arvados - Story #9328: [Crunch2] Prevent dispatch races	Closed

History

#1 - 09/14/2017 08:37 PM - Tom Clegg

- Status changed from New to Resolved

Resolved in [#8128](#) with the auth_uuid column, except that it doesn't limit scope.