

## Arvados - Feature #11153

### [API] create\_token script should allow operator to provide token scopes and opaque comment

02/22/2017 09:44 PM - Tom Clegg

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Deployment	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Arvados Future Sprints		
<b>Description</b>			
<b>Background</b>			
<p>Currently the install guide relies on the script/create_superuser_token.rb program in the apiserver package to generate superuser tokens for services like keep-balance and crunch-dispatch-slurm.</p> <p>This program has some shortcomings:</p> <ul style="list-style-type: none"><li>• There is no way to specify scopes to limit token powers. Both keep-balance and crunch-dispatch-slurm should be using scoped tokens (e.g., they shouldn't be able to delete collections or create users).</li><li>• There is no way to attach a comment to a token, e.g., to note its intended use.</li></ul>			
<b>Proposed solution</b>			
<p>Add a comment text column to the api_client_authorizations table and ApiClientAuthorization API responses.</p> <p>Create a new script script/create_token.rb that takes options</p> <ul style="list-style-type: none"><li>• --user=zzzzz-tpzed-0000000000000000 to specify uuid of target user (default = root)</li><li>• --role=keep-balance to set scopes suitable for keep-balance (see "data manager token" example in <a href="source:services/api/test/fixtures/api_client_authorizations.yml">source:services/api/test/fixtures/api_client_authorizations.yml</a>)</li><li>• --role=crunch-dispatch to set scopes suitable for crunch-dispatch (details TBD?)</li><li>• --comment="unparsed text" to set comment</li><li>• --reuse to reuse an existing unexpired token with the specified user/scopes/comment, if one exists (if not, create a new one)</li><li>• --token=string to specify the new token (if the given token already exists, confirm that it matches the specified scopes/comment/user)</li><li>• (future?) --expires-at=timestamp to set expiry time</li></ul> <p>The existing script/create_superuser_token.rb program should continue to work, using the new generic code under the hood (IOW it follows the same code path as script/create_token.rb --reuse [--token=X])</p> <p>Update install docs accordingly.</p>			

#### History

#1 - 02/23/2017 07:14 PM - Tom Clegg

- Description updated

- Category set to Deployment

#2 - 08/28/2017 09:33 PM - Tom Morris

- Target version set to Arvados Future Sprints