

Arvados - Bug #16436

[install] Ensure postgresql has en_US.UTF-8 collation

05/18/2020 03:12 PM - Tom Clegg

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assigned To:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Tests rely on en_US.UTF-8 database collation, see source:apps/workbench/test/controllers/projects_controller_test.rb#L492			
arvados-server install installs the en_US.UTF-8 locale.			
run-tests.sh sets LANG=en_US.UTF-8.			
However, the outcome appears to be sensitive to whether the locale was installed before or after `initdb`. If initdb ran first, postgresql doesn't know about the collation.			
arvados-server install should do something like this after setting up the locale:			
<pre>create collation if not exists "en_US.utf8" (LOCALE = 'en_US.utf8'); create collation if not exists "en_US" (LOCALE = 'en_US.utf8');</pre>			
(It's not good enough for arvados-server install to install the locale before installing postgresql, because postgresql might already be installed before arvados-server install starts. Postgresql 11+ includes a function <code>pg_import_system_collations('pg_catalog')</code> but this only works if the postgresql server has restarted since the locale was added.)			