Foreman - Bug #16260

Intermittent DashboardIntegrationTest failures

08/24/2016 03:00 AM - Dominic Cleal

Status:	Closed		
Priority:	Normal		
Assignee:	Tomer Brisker		
Category:	Tests		
Target version:	1.13.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3771, https://github.com/theforeman/foreman/pull/3781		

Description

After #16044 was merged, the following test failure was seen on develop:

```
DashboardIntegrationTest.test_0009_widgets not in dashboard show up in list

ActiveRecord::StatementInvalid: PG::TRDeadlockDetected: ERROR:  deadlock detected
LINE 1: ...STINCT "hosts"."id") FROM "hosts" LEFT OUTER JOIN "host_stat...
                                                               ^
DETAIL:  Process 3578 waits for AccessShareLock on relation 7582348 of database 7582095; blocked by process 21808.
Process 21808 waits for AccessExclusiveLock on relation 7582383 of database 7582095; blocked by process 3578.
HINT:  See server log for query details.
: SELECT COUNT(DISTINCT "hosts"."id") FROM "hosts" LEFT OUTER JOIN "host_status" ON "host_status"."host_id" = "hosts"."id" WHERE "hosts"."type" IN ('Host::Managed', 'Host::Valid') AND (last_report > '2016-08-23 17:11:47.625954') AND (host_status.type = 'HostStatus::ConfigurationStatus') AND ((host_status.status > 0) AND (((host_status.status >> 30 & 63) != 0))) AND "hosts"."enabled" = $1
    app/services/dashboard/data.rb:44:in `fetch_data'
    app/services/dashboard/data.rb:11:in `initialize'
    app/controllers/dashboard_controller.rb:77:in `new'
    app/controllers/dashboard_controller.rb:77:in `prefetch_data'
    app/controllers/concerns/application_shared.rb:14:in `set_timezone'
    app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
    lib/middleware/catch_json_parse_errors.rb:9:in `call'
    lib/middleware/tagged_logging.rb:18:in `call' (ActiveRecord::StatementInvalid)
/usr/local/rvm/gems/ruby-2.1.5@test_develop-1/gems/activerecord-4.2.7.1/lib/active_record/connection_adapters/postgresql_adapter.rb:637
```

(http://ci.theforeman.org/job/test_develop/2339/)

It appears that dashboard integration tests are not calling wait_for_ajax when visiting the dashboard page, so there are likely more requests still being served at the end of the test causing the deadlock.

Related issues:

Related to Foreman - Bug #16044: Errors in individual dashboard widgets fail ...	**Closed**	**08/10/2016**

Associated revisions

Revision 1706113e - 08/24/2016 05:29 AM - Tomer Brisker

Fixes #16260 - Wait for dashboard to fully load in test

This will hopefully prevent intermittent db deadlocks.

Revision 407e0f7f - 08/26/2016 09:00 AM - Dominic Cleal

refs #16260 - wait for AJAX on main dashboard page test

History

#1 - 08/24/2016 03:00 AM - Dominic Cleal

- Related to Bug #16044: Errors in individual dashboard widgets fail entire page added

#2 - 08/24/2016 03:13 AM - The Foreman Bot

- Status changed from New to Ready For Testing

- Assignee set to Tomer Brisker

- Pull request https://github.com/theforeman/foreman/pull/3771 added

#3 - 08/24/2016 06:02 AM - Anonymous

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset 1706113ea32f5dedc4d9560a1eaf1376e95934c7.

#4 - 08/26/2016 06:22 AM - The Foreman Bot

- Pull request https://github.com/theforeman/foreman/pull/3781 added

#5 - 08/30/2016 11:08 AM - Tomer Brisker

- Target version set to 1.6.2