

Katello - Bug #37218

`podman login` against the container registry returns 500 intermittently

02/29/2024 05:19 PM - Ian Ballou

Status: Closed	
Priority: Normal	
Assignee: Ian Ballou	
Category: Container	
Target version: Katello 4.13.0	
Difficulty:	Fixed in Releases:
Triaged: Yes	Found in Releases:
Bugzilla link: 2227109	Red Hat JIRA:
Pull request: https://github.com/Katello/smart_proxy_container_gateway/pull/33 , https://github.com/Katello/smart_proxy_container_gateway/pull/34	
Description	
Description of problem:	
As \$summary,	
podman login example.capsule.com -u admin	
Error: error authenticating creds for "example.capsule.com": Requesting bear token: invalid status code from registry 500 (Internal Server Error)	
Version-Release number of selected component (if applicable):	
Any Katello with Pulp 3	
How reproducible:	
Easy	
Steps to Reproduce:	
1. Run `podman login` on multiple hosts at the same time	
2.	
3.	
Actual results:	
Sometimes login failed with:	
Error: error authenticating creds for "example.foreman.com": Requesting bear token: invalid status code from registry 500 (Internal Server Error)	
Expected results:	
Login should succeed	
Additional info:	
Traceback on the smart proxy:	
2300:2023-07-27T10:52:59 1aff9aac [I] Started GET /container_gateway/v2/token account=admin&service=example.capsule.com	
2023-07-27T10:53:17 1aff9aac [W] Error processing request '1aff9aac-4d4b-4582-a23f-ec310fc95b8e: <Sequel::DatabaseError>: SQLite3::BusyException: database is locked	
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/resultset.rb:108:in `step'	
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/resultset.rb:108:in `next'	
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/resultset.rb:133:in `each'	

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/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/database.rb:202:in `to_a'
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/database.rb:202:in `block in execute'
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/database.rb:151:in `prepare'
/usr/share/gems/gems/sqlite3-1.4.2/lib/sqlite3/database.rb:193:in `execute'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/adapters/sqlite.rb:218:in `block (2 levels) in _execute'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/database/logging.rb:38:in `log_connection_yield'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/adapters/sqlite.rb:218:in `block in _execute'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/database/connecting.rb:293:in `synchronize'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/adapters/sqlite.rb:209:in `_execute'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/adapters/sqlite.rb:176:in `execute_insert'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/dataset/actions.rb:1178:in `execute_insert'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/dataset/actions.rb:409:in `insert'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/model/associations.rb:2252:in `block in def_many_to_many'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/model/associations.rb:2599:in `add_associated_object'
/usr/share/gems/gems/sequel-5.62.0/lib/sequel/model/associations.rb:2069:in `block in def_association_instance_methods'
/usr/share/gems/gems/smart_proxy_container_gateway-1.0.7/lib/smart_proxy_container_gateway/container_gateway_main.rb:126:in `block in update_user_repositories'
/usr/share/gems/gems/smart_proxy_container_gateway-1.0.7/lib/smart_proxy_container_gateway/container_gateway_main.rb:121:in `each'
/usr/share/gems/gems/smart_proxy_container_gateway-1.0.7/lib/smart_proxy_container_gateway/container_gateway_main.rb:121:in `update_user_repositories'
/usr/share/gems/gems/smart_proxy_container_gateway-1.0.7/lib/smart_proxy_container_gateway/container_gateway_api.rb:112:in `block in <class:Api>'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1686:in `call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1686:in `block in compile!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1023:in `block (3 levels) in route!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1042:in `route_eval'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1023:in `block (2 levels) in route!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1071:in `block in process_route'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1069:in `catch'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1069:in `process_route'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1021:in `block in route!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1018:in `each'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1018:in `route!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1140:in `block in dispatch!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `block in invoke'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `catch'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `invoke'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1135:in `dispatch!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:949:in `block in call!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `block in invoke'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `catch'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1112:in `invoke'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:949:in `call!'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:938:in `call'
/usr/share/foreman-proxy/lib/proxy/log.rb:101:in `call'
/usr/share/foreman-proxy/lib/proxy/request_id_middleware.rb:11:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/xss_header.rb:18:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/path_traversal.rb:16:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/json_csrf.rb:26:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/base.rb:50:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/base.rb:50:in `call'
/usr/share/gems/gems/rack-protection-2.2.2/lib/rack/protection/frame_options.rb:31:in `call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/null_logger.rb:11:in `call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/head.rb:12:in `call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/show_exceptions.rb:22:in `call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:218:in `call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1993:in `call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1553:in `block in call'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1769:in `synchronize'
/usr/share/gems/gems/sinatra-2.2.2/lib/sinatra/base.rb:1553:in `call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/urlmap.rb:74:in `block in call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/urlmap.rb:58:in `each'
/usr/share/gems/gems/rack-2.2.4/lib/rack/urlmap.rb:58:in `call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/builder.rb:244:in `call'
/usr/share/gems/gems/rack-2.2.4/lib/rack/handler/webrick.rb:95:in `service'
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/usr/share/gems/gems/webrick-1.7.0/lib/webrick/httpserver.rb:140:in `service'  
/usr/share/gems/gems/webrick-1.7.0/lib/webrick/httpserver.rb:96:in `run'  
/usr/share/gems/gems/webrick-1.7.0/lib/webrick/server.rb:310:in `block in start_thread'  
/usr/share/gems/gems/logging-2.3.1/lib/logging/diagnostic_context.rb:474:in `block in create_with_logging_context'  
2023-07-27T10:53:17 1aff9aac [I] Finished GET /container_gateway/v2/token with 500 (18361.06 ms)
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Associated revisions

Revision f96702c4 - 04/15/2024 08:53 PM - Ian Ballou

Fixes #37218 - improve SQLite DB query performance & introduce PostgreSQL support

- Fixes #37218 - podman login against the container registry returns 500 intermittently
- Refs #37218 - fix tests for single database connection refactor
- Refs #37218 - make transactions serialized to avoid concurrent writes & deletes
- Refs #37218 - make postgres connections possible
- Refs #37218 - refactor database dependency injection
- Refs #37218 - add sqlite to postgres migration
- Refs #37218 - refactor main class to not require database injection

Co-authored-by: Ewoud Kohl van Wijngaarden <ewoud@kohlvanwijngaarden.nl>

History

#1 - 02/29/2024 05:19 PM - Ian Ballou

- Bugzilla link set to 2227109

#2 - 02/29/2024 05:20 PM - Ian Ballou

More discussion here: <https://community.theforeman.org/t/smart-proxy-container-gateway-race-condition/37098/4>

#3 - 03/06/2024 06:40 PM - Quinn James

- Target version set to Katello 4.13.0
- Triaged changed from No to Yes

#4 - 03/07/2024 05:10 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Assignee set to Ian Ballou
- Pull request https://github.com/Katello/smart_proxy_container_gateway/pull/33 added

#5 - 04/15/2024 08:46 PM - The Foreman Bot

- Pull request https://github.com/Katello/smart_proxy_container_gateway/pull/34 added

#6 - 04/15/2024 09:00 PM - Anonymous

- Status changed from Ready For Testing to Closed

Applied in changeset [smart_proxy_container_gateway|f96702c4a4a49c170a9773f343ccdfb40aa6693c](https://gitlab.com/redhat/foreman/-/commits/f96702c4a4a49c170a9773f343ccdfb40aa6693c).