

## Installer - Bug #34394

### Dynflow doesn't properly come back if the DB is unavailable for a brief period of time

02/04/2022 01:37 PM - Evgeni Golov

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Evgeni Golov	
<b>Category:</b> Foreman modules	
<b>Target version:</b> 3.1.2	
<b>Difficulty:</b>	<b>Fixed in Releases:</b> 3.1.2, 3.2.0
<b>Triaged:</b> Yes	<b>Found in Releases:</b> 2.5.2, 3.0.1, 3.2.0
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b> <a href="https://github.com/theforeman/puppet-foreman/pull/1028">https://github.com/theforeman/puppet-foreman/pull/1028</a>	
<b>Description</b>	
<p>Ohai,</p> <p>when I try to restore a Katello 4.3 (or nightly) on EL8 (with rubygem-foreman_maintain-1.0.2-1.el8.noarch), the restore finishes fine, but afterwards not all services are happy:</p> <pre># hammer ping database:   Status: ok   Server Response: Duration: 0ms katello_agent:   Status: ok   message: 0 Processed, 0 Failed   Server Response: Duration: 0ms candlepin:   Status: ok   Server Response: Duration: 58ms candlepin_auth:   Status: ok   Server Response: Duration: 50ms candlepin_events:   Status: ok   message: 0 Processed, 0 Failed   Server Response: Duration: 0ms katello_events:   Status: ok   message: 0 Processed, 0 Failed   Server Response: Duration: 1ms pulp3:   Status: ok   Server Response: Duration: 117ms pulp3_content:   Status: ok   Server Response: Duration: 128ms foreman_tasks:   Status: FAIL   Server Response: Message: some executors are not responding, check /foreman_tasks/dynflow/status</pre> <p>After restarting dynflow via <code>systemctl restart dynflow-sidekiq@*</code> everything seems to work fine again.</p> <p>I am not sure this is a maintain bug (or installer, or dynflow, or packaging), but filing it here for investigation.</p>	
<b>Related issues:</b>	
Copied to foreman-tasks - Bug #34485: Dynflow doesn't properly come back if t...	<b>New</b>

## Associated revisions

### Revision f44d723e - 02/10/2022 02:56 PM - Evgeni Golov

Refs #34394 - trigger dynflow restart when DB restarts

When PostgreSQL is restarted (or worse, unavailable for a while), Dynflow doesn't always cope well with this fact and sometimes ends in a bad state, not able to recover itself.

This is clearly not fixing the underlying Dynflow issue, but at least lets restart Dynflow in the cases we **know** the DB dropped connections.

## History

### #1 - 02/04/2022 01:45 PM - Evgeni Golov

Looking at the logs, it seems dynflow was disconnected from the database and didn't manage to reconnect:

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Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: FATAL: t
erminating connection due to administrator command
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: #<Thread:
0x0000563d5bc0f370 /usr/share/gems/gems/logging-2.3.0/lib/logging/ diagnostic_context.rb:471 run> terminated wi
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Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/logging.rb:38:in `log_connection_yield'
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from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:120:in `check_disconnect_errors'
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e/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `wait_for_notify': PQconsumeInput() server cl
osed the connection unexpectedly (PG::ConnectionBad)
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his probably means the server terminated abnormally
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: b
efore or while processing the request.
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rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `block (3 levels) in listen'
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Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:486:in `block (2 levels) in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:456:in `block in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_errors'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:455:in `listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/dynflow-1.6.3/lib/dynflow/connectors/database.rb:25:in `block in start'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
from /usr/share/gems/gems/logging-2.3.0/lib/logging/ diagnostic_context.rb:474:in `block in create_with_logg
ing_context'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `wait_for_notify': PQconsumeInput() serve
r closed the connection unexpectedly (PG::ConnectionBad)
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
This probably means the server terminated abnormally

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Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
    before or while processing the request.
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
    from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `block (3 levels) in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]: /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `async_exec': no connection to th
e server (PG::UnableToSend)
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `block in execute_qu
ery'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/logging.rb:38:in `log_connection_yield'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `execute_query'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:144:in `block in execute'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:120:in `check_disconnect_er
rors'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:144:in `execute'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:486:in `ensure in block (2
levels) in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:486:in `block (2 levels) in
listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:456:in `block in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_erro
rs'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:455:in `listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/dynflow-1.6.3/lib/dynflow/connectors/database.rb:25:in `block in start'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/logging-2.3.0/lib/logging/diagnostic_context.rb:474:in `block in create_w
ith_logging_context'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]: /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `wait_for_notify': PQconsumeInput
() server closed the connection unexpectedly (PG::ConnectionBad)
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      This probably means the server terminated abnormally
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      before or while processing the request.
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:      from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:476:in `block (3 levels) in
listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `catch'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `block (2 levels) in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:456:in `block in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_errors'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:455:in `listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/dynflow-1.6.3/lib/dynflow/connectors/database.rb:25:in `block in start'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:      f
rom /usr/share/gems/gems/logging-2.3.0/lib/logging/diagnostic_context.rb:474:in `block in create_with_logging_
context'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
    from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `catch'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
```

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Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `block (2 levels) in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:456:in `block in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_errors'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:455:in `listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/dynflow-1.6.3/lib/dynflow/connectors/database.rb:25:in `block in start'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
  from /usr/share/gems/gems/logging-2.3.0/lib/logging/ diagnostic_context.rb:474:in `block in create_with_logging_context'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `catch'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:473:in `block (2 levels) in
listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:456:in `block in listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_err
rs'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:455:in `listen'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/dynflow-1.6.3/lib/dynflow/connectors/database.rb:25:in `block in start'
Feb 04 13:21:08 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
  from /usr/share/gems/gems/logging-2.3.0/lib/logging/ diagnostic_context.rb:474:in `block in create_w
ith_logging_context'
Feb 04 13:21:14 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: E, [2022-
02-04T13:21:14.195825 #75239] ERROR -- /connector-database-core: Receiving envelopes failed on PG::ConnectionB
ad: PQconsumeInput() server closed the connection unexpectedly
Feb 04 13:21:14 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: T
his probably means the server terminated abnormally
Feb 04 13:21:14 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: b
efore or while processing the request.
Feb 04 13:21:15 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]: E, [2022-02-04T13:21:15.758015 #75238] ERROR -- /connector-database-core: Receiving envelopes failed on PG:
:ConnectionBad: PQconsumeInput() server closed the connection unexpectedly
Feb 04 13:21:15 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
This probably means the server terminated abnormally
Feb 04 13:21:15 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:
before or while processing the request.
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: E, [2
022-02-04T13:21:19.208497 #74683] ERROR -- /connector-database-core: Receiving envelopes failed on PG::Connect
ionBad: PQconsumeInput() server closed the connection unexpectedly
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
This probably means the server terminated abnormally
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
before or while processing the request.
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: E, [2
022-02-04T13:21:19.249622 #74683] ERROR -- /parallel-executor-core: PG::ConnectionBad: PQconsumeInput() server
closed the connection unexpectedly
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
This probably means the server terminated abnormally
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]:
before or while processing the request.
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: (Seq
uel::DatabaseDisconnectError)
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `async_exec'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `block in execute_query'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/database/logging.rb:38:in `log_connection_yield'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:156:in `execute_query'

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Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:144:in `block in execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:120:in `check_disconnect_errors'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:144:in `execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:500:in `_execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:318:in `block (2 levels) in execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:522:in `check_database_errors'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:318:in `block in execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/connection_pool/threaded.rb:92:in `hold'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/database/connecting.rb:269:in `synchronize'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:318:in `execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/dataset/actions.rb:1093:in `execute'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/adapters/postgres.rb:614:in `fetch_rows'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/dataset/actions.rb:152:in `each'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/dataset/actions.rb:51:in `block in all'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/dataset/actions.rb:1010:in `_all'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/sequel-5.42.0/lib/sequel/dataset/actions.rb:51:in `all'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/persistence_adapters/sequel.rb:260:in `find_coordinator_records'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/coordinator_adapters/sequel.rb:30:in `find_records'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/coordinator.rb:366:in `find_records'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/executors/abstract/core.rb:89:in `heartbeat'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/executors/sidekiq/core.rb:36:in `heartbeat'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: [ con
current-ruby ]
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: /usr/
share/gems/gems/dynflow-1.6.3/lib/dynflow/executors/abstract/core.rb:122:in `on_message'
Feb 04 13:21:19 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@orchestrator[74683]: [ con
current-ruby ]
Feb 04 13:21:44 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]: E, [2022-
02-04T13:21:44.197521 #75239] ERROR -- /connector-database-core: Receiving envelopes failed on PG::ConnectionB
ad: PQconsumeInput() server closed the connection unexpectedly
Feb 04 13:21:44 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:          T
his probably means the server terminated abnormally
Feb 04 13:21:44 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-1[75239]:          b
efore or while processing the request.
Feb 04 13:21:45 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]: E, [2022-02-04T13:21:45.760312 #75238] ERROR -- /connector-database-core: Receiving envelopes failed on PG:
:ConnectionBad: PQconsumeInput() server closed the connection unexpectedly
Feb 04 13:21:45 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:          This probably means the server terminated abnormally
Feb 04 13:21:45 pipe-katello-server-nightly-centos7.n13.example.com dynflow-sidekiq@worker-hosts-queue-1[75238
]:          before or while processing the request.

```

## #2 - 02/09/2022 11:00 AM - Evgeni Golov

Okay, I can reproduce this without Foreman Maintain and without the Installer on a fresh Katello nightly (and also on 4.2). Just turn off the DB for 60 seconds (a restart is not always sufficient):

```

[root@centos8-stream-katello-nightly ~]# hammer ping
database:
  Status:          ok
  Server Response: Duration: 0ms
candlepin:
  Status:          ok
  Server Response: Duration: 28ms

```

```

candlepin_auth:
  Status: ok
  Server Response: Duration: 35ms
candlepin_events:
  Status: ok
  message: 0 Processed, 0 Failed
  Server Response: Duration: 0ms
katello_events:
  Status: ok
  message: 0 Processed, 0 Failed
  Server Response: Duration: 0ms
pulp3:
  Status: ok
  Server Response: Duration: 76ms
pulp3_content:
  Status: ok
  Server Response: Duration: 147ms
foreman_tasks:
  Status: ok
  Server Response: Duration: 3ms

[root@centos8-stream-katello-nightly ~]# systemctl stop postgresql; sleep 60; systemctl start postgresql; sleep 10; hammer ping
database:
  Status: ok
  Server Response: Duration: 0ms
candlepin:
  Status: ok
  Server Response: Duration: 28ms
candlepin_auth:
  Status: ok
  Server Response: Duration: 29ms
candlepin_events:
  Status: ok
  message: 0 Processed, 0 Failed
  Server Response: Duration: 0ms
katello_events:
  Status: ok
  message: 0 Processed, 0 Failed
  Server Response: Duration: 0ms
pulp3:
  Status: ok
  Server Response: Duration: 37ms
pulp3_content:
  Status: ok
  Server Response: Duration: 36ms
foreman_tasks:
  Status: FAIL
  Server Response: Message: some executors are not responding, check /foreman_tasks/dynflow/status

```

The Katello part is only really needed as Katello exports the status of dynflow/tasks in the Ping API, which Foreman itself does not.

### #3 - 02/09/2022 11:03 AM - Evgeni Golov

- Project changed from Foreman Maintain to Foreman

- Subject changed from Restore of Katello 4.3 leaves the system in not fully functional state to Dynflow doesn't properly come back if the DB is unavailable for a brief period of time

- Found in Releases 2.5.2, 3.0.1, 3.2.0 added

### #4 - 02/09/2022 11:31 AM - Evgeni Golov

If you want to repro this without Katello:

- Foreman nightly with foreman\_tasks installed
- halt the DB for 60 seconds
- on [https://foreman.example.com/foreman\\_tasks/dynflow/worlds](https://foreman.example.com/foreman_tasks/dynflow/worlds) click "check", get "invalid"

### #5 - 02/09/2022 03:21 PM - Evgeni Golov

for the curious, updating sequel to 5.53.0 didn't magically fix this :/

### #6 - 02/09/2022 03:43 PM - Evgeni Golov

neither seems experimenting with [https://github.com/jeremyevans/sequel/blob/master/lib/sequel/extensions/connection\\_expiration.rb](https://github.com/jeremyevans/sequel/blob/master/lib/sequel/extensions/connection_expiration.rb) or



**#7 - 02/09/2022 03:55 PM - Evgeni Golov**

more fun:

- systemctl stop postgresql; sleep 30; systemctl start postgresql; sleep 10; hammer ping; sleep 10; hammer ping - first ping thinks it's OK, second FAILED
- systemctl stop postgresql; sleep 20; systemctl start postgresql; sleep 10; hammer ping; sleep 10; hammer ping - those two OK, but later flips to FAILED
- systemctl stop postgresql; sleep 10; systemctl start postgresql; sleep 10; hammer ping; sleep 10; hammer ping - all OK, and later ones are **also** OK

something is trying hard to survive, but fails at some point

**#8 - 02/10/2022 11:53 AM - The Foreman Bot**

- Status changed from New to Ready For Testing
- Assignee set to Evgeni Golov
- Pull request <https://github.com/theforeman/puppet-foreman/pull/1028> added

**#9 - 02/17/2022 07:20 AM - Evgeni Golov**

- Target version set to 3.1.2

**#10 - 02/22/2022 09:55 AM - Evgeni Golov**

- Fixed in Releases 3.1.2, 3.2.0 added

**#11 - 02/22/2022 10:22 AM - Amit Upadhye**

- Target version changed from 3.1.2 to 3.1.3

Updated the Target version for this issue to 3.1.3,

<aupadhye> Zhenech, I dont think anything is pending to close <https://projects.theforeman.org/issues/34394> ?  
<Zhenech> it depends how you look at it  
<Zhenech> if you say the redmin is for the workaround, then yes  
<Zhenech> if you say it's a bug in dynflow (it is) then no  
<aupadhye> then.. i keep it open

**#12 - 02/22/2022 10:45 AM - Amit Upadhye**

- Copied to Bug #34485: Dynflow doesn't properly come back if the DB is unavailable for a brief period of time added

**#13 - 02/22/2022 10:46 AM - Amit Upadhye**

- Project changed from Foreman to Installer
- Category set to Foreman modules

**#14 - 02/22/2022 10:52 AM - Amit Upadhye**

- Status changed from Ready For Testing to Closed

I have created a new issue <https://projects.theforeman.org/issues/34485> to fix actual issue in dynflow. Accordingly closing this redmine ticket.

**#15 - 02/22/2022 12:55 PM - Ewoud Kohl van Wijngaarden**

- Target version changed from 3.1.3 to 3.1.2
- Triaged changed from No to Yes