

Ansible Plugin - Issue #5226

Migration 0004_add_fulltext_search_indexes fails when trying to update search vector

08/06/2019 10:09 PM - osapryki

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:	osapryki	Estimated time:	0:00 hour
Category:		Sprint Candidate:	No
Sprint/Milestone:		Tags:	
Severity:	3. High	Sprint:	Sprint 57
Platform Release:		Quarter:	
OS:			
Triaged:	No		
Groomed:	No		

Description

Migration 0004_add_fulltext_search_indexes fails with the following exception when trying to execute against database table that actually contains data.

Traceback (most recent call last):

```
File "/venv/bin/django-admin", line 11, in <module>
    sys.exit(execute_from_command_line())
File "/venv/lib64/python3.6/site-packages/django/core/management/__init__.py", line 381, in execute_from_command_line
    utility.execute()
File "/venv/lib64/python3.6/site-packages/django/core/management/__init__.py", line 375, in execute
    self.fetch_command(subcommand).run_from_argv(self.argv)
File "/venv/lib64/python3.6/site-packages/django/core/management/base.py", line 323, in run_from_argv
    self.execute(*args, **cmd_options)
File "/venv/lib64/python3.6/site-packages/django/core/management/base.py", line 364, in execute
    output = self.handle(*args, **options)
File "/venv/lib64/python3.6/site-packages/django/core/management/base.py", line 83, in wrapped
    res = handle_func(*args, **kwargs)
File "/venv/lib64/python3.6/site-packages/django/core/management/commands/migrate.py", line 234, in handle
    fake_initial=fake_initial,
File "/venv/lib64/python3.6/site-packages/django/db/migrations/executor.py", line 117, in migrate
    state = self._migrate_all_forwards(state, plan, full_plan, fake=fake, fake_initial=fake_initial)
File "/venv/lib64/python3.6/site-packages/django/db/migrations/executor.py", line 147, in _migrate_all_forwards
    state = self.apply_migration(state, migration, fake=fake, fake_initial=fake_initial)
File "/venv/lib64/python3.6/site-packages/django/db/migrations/executor.py", line 245, in apply_migration
    state = migration.apply(state, schema_editor)
File "/venv/lib64/python3.6/site-packages/django/db/migrations/migration.py", line 124, in apply_operation
    database_forwards(self.app_label, schema_editor, old_state, project_state)
File "/venv/lib64/python3.6/site-packages/django/db/migrations/operations/special.py", line 105, in database_forwards
    self._run_sql(schema_editor, self.sql)
File "/venv/lib64/python3.6/site-packages/django/db/migrations/operations/special.py", line 130, in _run_sql
    schema_editor.execute(statement, params=None)
File "/venv/lib64/python3.6/site-packages/django/db/backends/base/schema.py", line 137, in execute
    cursor.execute(sql, params)
File "/venv/lib64/python3.6/site-packages/django/db/backends/utils.py", line 99, in execute
```

```

return super().execute(sql, params)
File "/venv/lib64/python3.6/site-packages/django/db/backends/utils.py", line 67, in execute
return self._execute_with_wrappers(sql, params, many=False, executor=self._execute)
File "/venv/lib64/python3.6/site-packages/django/db/backends/utils.py", line 76, in _execute_wit
h_wrappers
return executor(sql, params, many, context)
File "/venv/lib64/python3.6/site-packages/django/db/backends/utils.py", line 84, in _execute
return self.cursor.execute(sql, params)
File "/venv/lib64/python3.6/site-packages/django/db/utils.py", line 89, in __exit__
raise dj_exc_value.with_traceback(traceback) from exc_value
File "/venv/lib64/python3.6/site-packages/django/db/backends/utils.py", line 82, in _execute
return self.cursor.execute(sql)
django.db.utils.ProgrammingError: more than one row returned by a subquery used as an expression

```

The SQL query that causes this exception is this:

```

UPDATE ansible_collectionversion AS c
SET search_vector = (
    SELECT
        setweight(to_tsvector(coalesce(namespace, '')), 'A')
        || setweight(to_tsvector(coalesce(name, '')), 'A')
        || (
            SELECT
                setweight(to_tsvector(
                    coalesce(string_agg("ansible_tag"."name", ' '), ''
                ), 'B')
            FROM
                "ansible_tag" INNER JOIN "ansible_collectionversion_tags" ON ("ansible_tag"."_id"
= "ansible_collectionversion_tags"."tag_id")
        )
        || (
            SELECT
                setweight(to_tsvector(
                    coalesce(string_agg(cvc --> 'name', ' '), ''
                ), 'C')
            FROM jsonb_array_elements(cv.contents) AS cvc
        )
        || setweight(to_tsvector(coalesce(description, '')), 'D')
    FROM ansible_collectionversion cv
)

```

Associated revisions

Revision dd0e3b2e - 08/06/2019 10:37 PM - Alexander Saprykin

Fix update query in migration 0004_add_fulltext_search_indexes

<https://pulp.plan.io/issues/5226> closes #5226

History

#1 - 08/06/2019 10:16 PM - bmbouter

It was working for the existing data tests that I tried. I had experienced this while developing and this caused me to add the `string_agg("ansible_tag"."name", ' ')` [here](#)

I can try to reproduce it against a collection I build with two tags. It would be great to have some fixture data or an export of some kind I could reproduce it with.

#2 - 08/06/2019 10:31 PM - osapryki

It is failing when more than one collection available, because there is no filter on SELECT subquery. Fix is available https://github.com/pulp/pulp_ansible/pull/158

#3 - 08/06/2019 10:34 PM - daviddavis

- Status changed from NEW to POST

- Sprint set to Sprint 57

#4 - 08/07/2019 02:47 PM - Anonymous

- Status changed from POST to MODIFIED

Applied in changeset [pulp_ansible|dd0e3b2e2e44645e6d8b2661158078c803b8459e](#).

#5 - 09/23/2020 10:01 PM - bmbouter

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE