

## Forrester, Amy Louise

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**From:** Tom Saleeba <tom.saleeba@adelaide.edu.au>  
**Sent:** Friday, April 20, 2018 4:08 AM  
**To:** Mark Servilla  
**Cc:** Forrester, Amy Louise; Siddeswara Guru  
**Subject:** Re: SSL cert renewal for our node

Hi Mark,

Good to hear from you too.

Thank you very much for sending the certs through. I've still got my password, I have waaaay too many to *not* use a password safe.

I've decided to update both MNs to that latest version, 2.4.2, but I've hit a road block that I'm hoping you can help with. I ran the pip --upgrade dataone.gmn no worries and I've created the settings.py file in the site-packages/dl\_gmn/ dir (we were on 2.0.5 which used site-packages/gmn/) so I can start the server and see the node description document. When I try to list the objects in the server I get the following error:

```
2018-04-20 03:14:05 ERROR      django.request exception 24133
140418821256960 Internal Server Error: /mn/v2/object
Traceback (most recent call last):
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/handlers/base.py", line 131, in get_response
    response = middleware_method(request, response)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/dl_gmn/app/middleware/response_handler.py", line 56, in
process_response
    response = self._serialize_object(request, view_result)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/dl_gmn/app/middleware/response_handler.py", line 102, in
_serialize_object
    request, view_result['query'], view_result['start'],
view_result['total']
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/dl_gmn/app/middleware/response_handler.py", line 117, in
_generate_object_list
    for row in db_query:
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/models/query.py", line 250, in __iter__
    self._fetch_all()
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/models/query.py", line 1118, in _fetch_all
    self._result_cache = list(self._iterable_class(self))
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/models/query.py", line 53, in __iter__
    results = compiler.execute_sql(chunked_fetch=self.chunked_fetch)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/models/sql/compiler.py", line 894, in execute_sql
    raise original_exception
```

```
ProgrammingError: column app_scienceobject.filename does not exist
LINE 1: ...aded_timestamp", "app_scienceobject"."format_id", "app_scien...
```

Ahh, we just need a database migration as per <https://dataone-python.readthedocs.io/en/latest/gmn/maintenance.html#upgrading-the-gmn-2-x-software-stack-to-the-latest-release>. So I run `python manage.py migrate` but then...

Operations to perform:

Apply all migrations: app, auth, contenttypes

Running migrations:

```
Applying app.0001_initial...Traceback (most recent call last):
  File "manage.py", line 31, in <module>
    execute_from_command_line(sys.argv)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/management/__init__.py", line 364, in
execute_from_command_line
    utility.execute()
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/management/__init__.py", line 356, in execute
    self.fetch_command(subcommand).run_from_argv(self.argv)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/management/base.py", line 283, in run_from_argv
    self.execute(*args, **cmd_options)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/management/base.py", line 330, in execute
    output = self.handle(*args, **options)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/core/management/commands/migrate.py", line 204, in handle
    fake_initial=fake_initial,
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/migrations/executor.py", line 115, in migrate
    state = self._migrate_all_forwards(state, plan, full_plan, fake=fake,
fake_initial=fake_initial)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/migrations/executor.py", line 145, in
_migrate_all_forwards
    state = self.apply_migration(state, migration, fake=fake,
fake_initial=fake_initial)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/migrations/executor.py", line 244, in apply_migration
    state = migration.apply(state, schema_editor)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/migrations/migration.py", line 129, in apply
    operation.database_forwards(self.app_label, schema_editor, old_state,
project_state)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/migrations/operations/models.py", line 97, in
database_forwards
    schema_editor.create_model(model)
  File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-
packages/django/db/backends/base/schema.py", line 303, in create_model
    self.execute(sql, params or None)
```

```
File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-  
packages/django/db/backends/base/schema.py", line 120, in execute  
    cursor.execute(sql, params)  
File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-  
packages/django/db/backends/utils.py", line 65, in execute  
    return self.cursor.execute(sql, params)  
File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-  
packages/django/db/utils.py", line 94, in __exit__  
    six.reraise(dj_exc_type, dj_exc_value, traceback)  
File "/var/local/dataone/gmn_venv/local/lib/python2.7/site-  
packages/django/db/backends/utils.py", line 63, in execute  
    return self.cursor.execute(sql)  
django.db.utils.ProgrammingError: relation "app_blockedmembnode" already  
exists
```

When I look in the Postgres DB, the "django\_migrations" table has no rows. Is that right? I feel like I stuffed something up earlier in the life of this instance and now Django is complaining because it think it's starting with a fresh database so it should be empty. I expect that if it knew it was just upgrading between versions, it would deal with existing tables.

I can create a fresh database and apply the migration (I tried it) but then all the data is lost. I've also tried renaming that app\_blockedmembnode table but then it complains about the next table app\_event so it's probably going to complain about all of them. I was even cheeky and tried `...migrate --fake-initial` but that still complains the app\_blockedmembnode exists, no change.

Hoping you can impart some wisdom. And that the wisdom isn't "compare the migrations with your schema by hand to figure out where you are, make the required changes and then force the migration with --fake" because that sounds tedious.

Tom

On 19/04/18 22:05, Mark Servilla wrote:

Hi Tom,

Good to hear from you! See below for the links to your new certificates. I've also add the NCEAS link just in case you have forgotten your password.

Sincerely,  
Mark

[https://project.dataone.org/~tom.saleeba/urn\\_node\\_mnTestAEKOS-1.zip](https://project.dataone.org/~tom.saleeba/urn_node_mnTestAEKOS-1.zip)

[https://project.dataone.org/~tom.saleeba/urn\\_node\\_TERN-1.zip](https://project.dataone.org/~tom.saleeba/urn_node_TERN-1.zip)

<https://identity.nceas.ucsb.edu>

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Mark Servilla  
[mark.servilla@gmail.com](mailto:mark.servilla@gmail.com)

On Thu, Apr 19, 2018 at 12:49 AM, Tom Saleeba <[tom.saleeba@adelaide.edu.au](mailto:tom.saleeba@adelaide.edu.au)> wrote:

Hi Amy and Mark,

I hope you're doing well. Hopefully one of you can help me get some fresh SSL certificates.

For Amy's benefit, Mark was the one who initially issued us the certificate so that's why I've included him to save possible back-and-forth of emails.

The "client" SSL certificate that our production Member Node uses is due to expire next month:

```
Certificate:
Data:
  Version: 3 (0x2)
  Serial Number: 14953998008984562935 (0xcf8745f5a16c60)
  Signature Algorithm: sha1WithRSAEncryption
  Issuer: DC=org, DC=dataone, CN=DataONE Production CA
  Validity
    Not Before: May 14 15:43:57 2015 GMT
    Not After : May 13 15:43:57 2018 GMT
  Subject: DC=org, DC=dataone, CN=urn:node:TERN
```

Can you please help me get it renewed?

This prompted me to check out dev machine and that has *\*already\** expired, whoops. Poor neglected thing:

```
Certificate:
Data:
  Version: 3 (0x2)
  Serial Number: 15722738799243755673 (0xda3263a2a12d00)
  Signature Algorithm: sha1WithRSAEncryption
  Issuer: DC=org, DC=dataone, CN=DataONE Test Intermediary
  Validity
    Not Before: Mar 18 19:31:47 2015 GMT
    Not After : Mar 17 19:31:47 2018 GMT
  Subject: DC=org, DC=dataone, CN=urn:node:mnTestAEKOS
```

This is far less urgent, but could we look at getting a fresh certificate for that too.

Regards

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Tom Saleeba  
Research Software Engineer  
0.6FTE Surveillance team / 0.4FTE Data and Data Systems team  
Terrestrial Ecosystems Research Network (TERN)  
The University of Adelaide  
Davies Building, Waite Campus

SA, Australia  
M: 0414 427 476  
<http://www.tern.org.au>