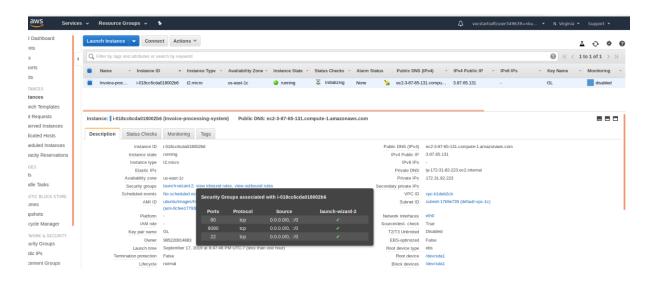
Creating an event triggered business process leveraging multiple managed services from AWS

1. Create EC2 instance which receives the notification when an invoice is placed in S3 with Python



2. Python-pip installation

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(dayangdow) ubuntupts-172-13-122-231-5 source -/wirtualeway/stangodev/bin/activate
(dayangdow) ubuntupts-172-13-122-231-5 source -/wirtualeway/stangodev/bin/activate/dayangdow)

Deficial price (dayangdow) ubuntupts-172-13-122-231-5 source -/wirtualeway/stangodev/bin/activate/dayangdow)

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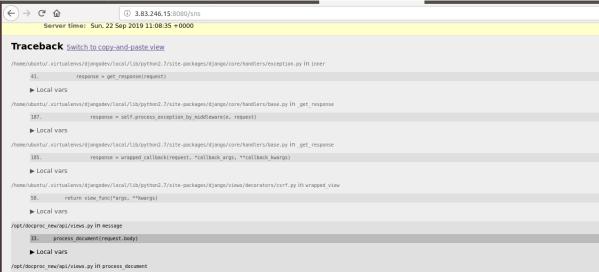
3. Copy .pem file to /opt

```
(djangodev) ubuntu@ip-172-31-82-223:~$ sudo chown ubunt:ubuntu -R /opt chown: invalid user: 'ubunt:ubuntu' (djangodev) ubuntu@ip-172-31-82-223:~$ sudo chown ubuntu:ubuntu -R /opt (djangodev) ubuntu@ip-172-31-82-223:~$ cd /opt/ (djangodev) ubuntu@ip-172-31-82-223:/opt$
0.5KB/s
15.0KB/s
0.0KB/s
views.py
__init__.py
apps.py
__init__.py
                                                                                                                                  00:00
00:00
                                                                                      100%
                                                                                      100%
                                                                                                 146
                                                                                                                0.6KB/s
                                                                                                                                   00:00
                                                                                      100%
                                                                                                                0.0KB/s
                                                                                                                                   00:00
                                                                                                              0.5KB/s
0.5KB/s
72.2KB/s
tests.py
                                                                                      100%
                                                                                                                                   00:00
models.py
db.sqlite3
                                                                                      100%
100%
                                                                                                122
37KB
                                                                                                                                  00:00
00:00
                                                                                                                6.0KB/s
1.5KB/s
3.1KB/s
0.0KB/s
3.1KB/s
                                                                                      100% 3129
100% 392
100% 798
settings.py
                                                                                                                                   00:00
                                                                                      100%
100%
                                                                                                                                  00:00
wsgi.py
urls.py
                                                                                                0
805
                                                                                                                                  00:00
00:00
  _init_
                                                                                      100%
manage.py
nkumar@ubuntu:~/Downloads$
                                                                                      100%
 (djangodev) ubuntu@ip-172-31-82-223:/opt$ ls
docproc docproc_new
(djangodev) ubuntu@ip-172-31-82-223:/opt$ cd docproc_new/
(djangodev) ubuntu@ip-172-31-82-223:/opt/docproc_new$ ls
api db.sqlite3 docproc manage.py
(djangodev) ubuntu@ip-172-31-82-223:/opt/docproc_new$
```

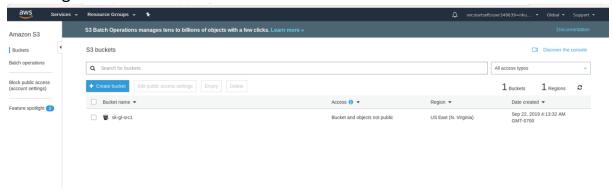
4. Running program on 8080

```
ubuntu@ip-172-31-82-223: /opt/docproc_new
File Edit View Search Terminal Help
lib/python2.7/site-packages (from botocore<1.13.0,>=1.12.233->boto3) (0.15.2)
Requirement already satisfied: python-dateutil<3.0.0,>=2.1; python_version >= "2
.7" in ./.virtualenvs/djangodev/lib/python2.7/site-packages (from botocore<1.13.
0,>=1.12.233->boto3) (2.8.0)
Requirement already satisfied: urllib3<1.26,>=1.20; python_version == "2.7" in .
virtualenvs/djangodev/lib/python2.7/site-packages (from botocore<1.13.0,>=1.12./
.233->boto3) (1.25.5)
Requirement already satisfied: six>=1.5 in ./.virtualenvs/djangodev/lib/python2.
7/site-packages (from python-dateutil<3.0.0,>=2.1;    python_version >= "2.7"->boto
core<1.13.0,>=1.12.233->boto3) (1.12.0)
(djangodev) ubuntu@ip-172-31-82-223:~$ python manage.py runserver 0:8080
python: can't open file 'manage.py': [Errno 2] No such file or directory
(djangodev) ubuntu@ip-172-31-82-223:/opt$ cd docproc new/
(djangodev) ubuntu@ip-172-31-82-223:/opt/docproc_new$ python manage.py runserver
0:8080
Performing system checks...
System check identified no issues (0 silenced).
September 22, 2019 - 11:03:27
Django version 1.11.24, using settings 'docproc.settings'
Starting development server at http://0:8080/
Ouit the server with CONTROL-C.
```

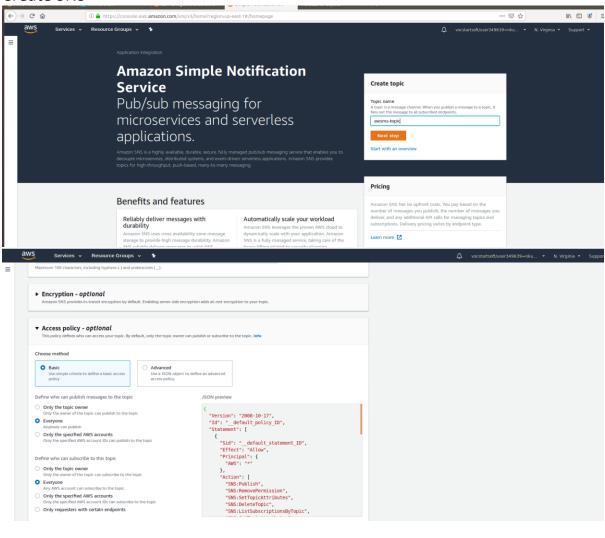
5. Verifying the endpoint access



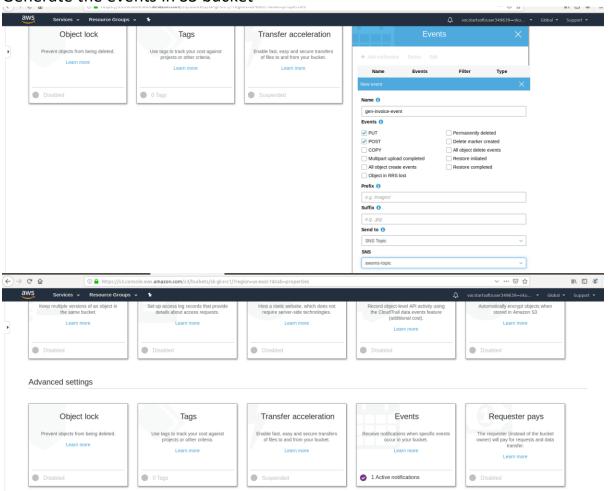
6. Creating Source bucket in S3



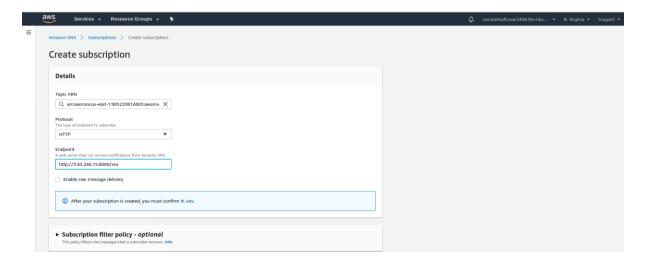
7. Create SNS



8. Generate the events in S3 bucket



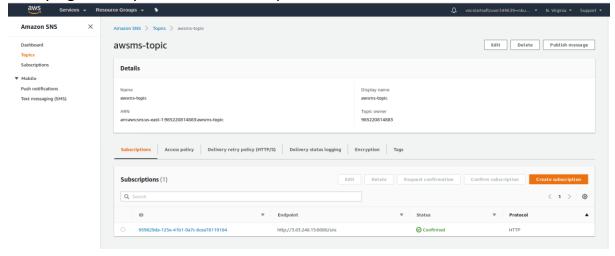
9. Create the subscription in SNS



10.SNS Subscribe confirmation



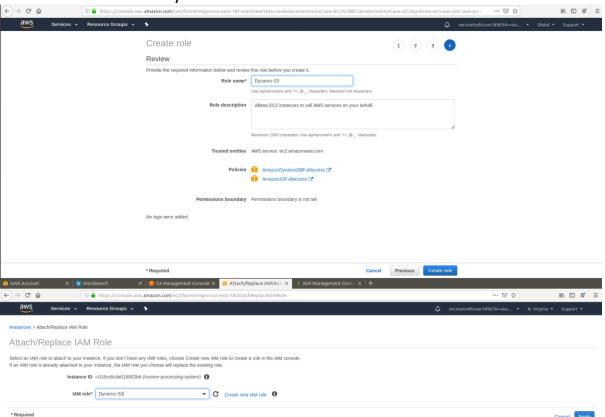
11. Verifying subscription under SNS topic



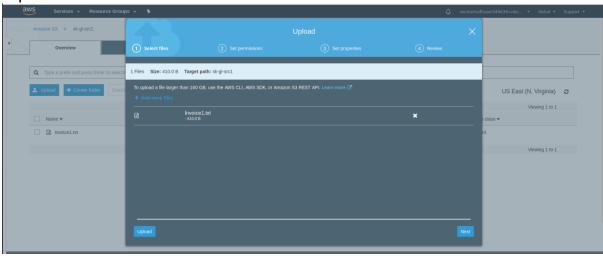
12. Create the destination confirmation



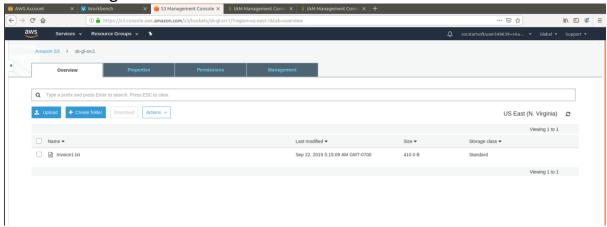
13. Create role to access Dynamo-DB and S3



14. Upload invoice to Source bucket



15. Invoice in Target Bucket



16. Invoice table inserted in Dynamo-DB Table

