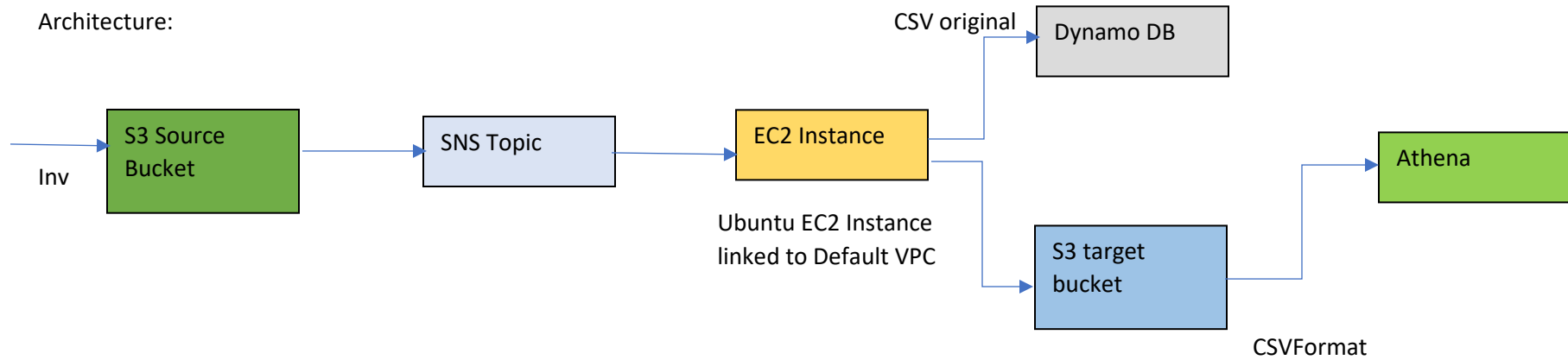


Project 2:

Project: Managed services in AWS - Vishwanaath Gopalakrishnan (12 Dec 2019)

Architecture:



- Created an S3 bucket gl-vish-invoice and uploaded the Invoice data file (docproc-invoice.txt) into it the bucket and let up the lifecycle management rules to expire the file after 1 day from creation

s3.console.aws.amazon.com/s3/home?region=us-west-2

Apps New Tab USCM IT Webcasts Projects [FTI-710] Create util...

aws Services Resource Groups vishwagopal11 Global Support

Learn how to get the most out of Amazon S3. [See here »](#) [Documentation](#)

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

S3 buckets [Discover the console](#)

Search for buckets All access types



+ Create bucket Edit public access settings Empty Delete


1 Buckets 1 Regions

<input type="checkbox"/> Bucket name	Access	Region	Date created
<input type="checkbox"/> gl-vish-invoice	Public	US West (Oregon)	Dec 11, 2019 10:07:42 PM GMT-0500

Operations 0 In progress 2 Success 0 Error

- Made the file Public for access and then set up a lifecycle management rule on the file to expire after 1 day from the date of creation in the bucket

 Services ▾ Resource Groups ▾ 

 vishwagopal11 ▾ Global ▾ Support ▾

gl-vish-invoice


Overview


Properties


Permissions Public

Management

Access points


 Type a prefix and press Enter to search. Press ESC to clear.

 Upload


 Create folder

Download

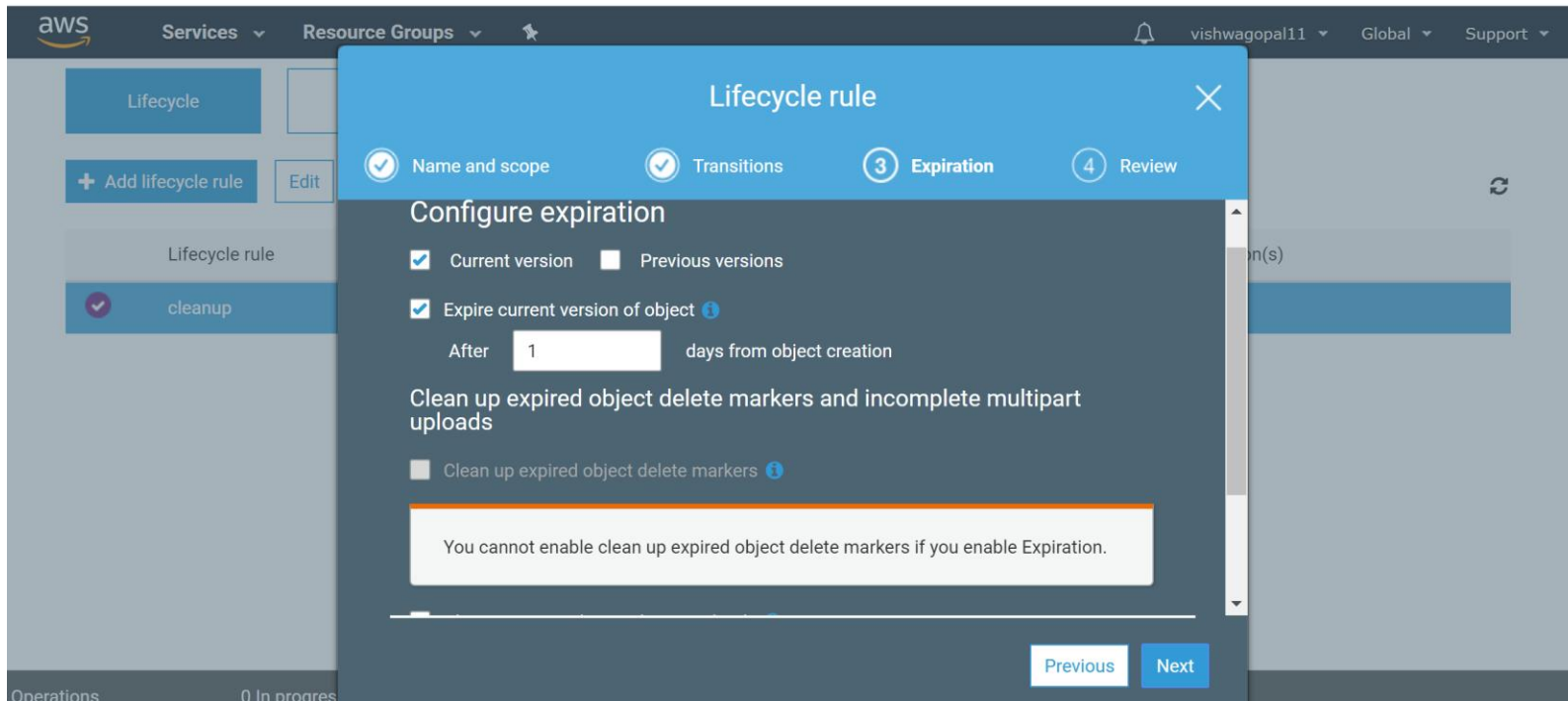
Actions ▾

US West (Oregon) 

Viewing 1 to 1

<input type="checkbox"/>	Name ▾	Last modified ▾	Size ▾	Storage class ▾
<input type="checkbox"/>	 docproc-invoice.txt	Dec 11, 2019 10:18:54 PM GMT-0500	572.0 B	Standard

Viewing 1 to 1



- Verify through the ARN Link whether we are able to access the file online

The screenshot shows the AWS S3 console interface. The file 'docproc-invoice.txt' is selected, and the 'Overview' tab is active. The file details are as follows:

Property	Value
Key	docproc-invoice.txt
Size	572.0 B
Expiration date	Dec 13, 2019 7:00:00 PM GMT-0500
Expiration rule	cleanup
ETag	2f4fdc4705f330664733b544dbcabc43
Last modified	Dec 11, 2019 10:18:54 PM GMT-0500
Object URL	https://gl-vish-invoice.s3-us-west-2.amazonaws.com/docproc-invoice.txt

The screenshot shows a web browser displaying the file 'docproc-invoice.txt' accessed via the ARN link. The file content is an invoice for 'Space Mechanics Inc.' with a total amount of 7650.

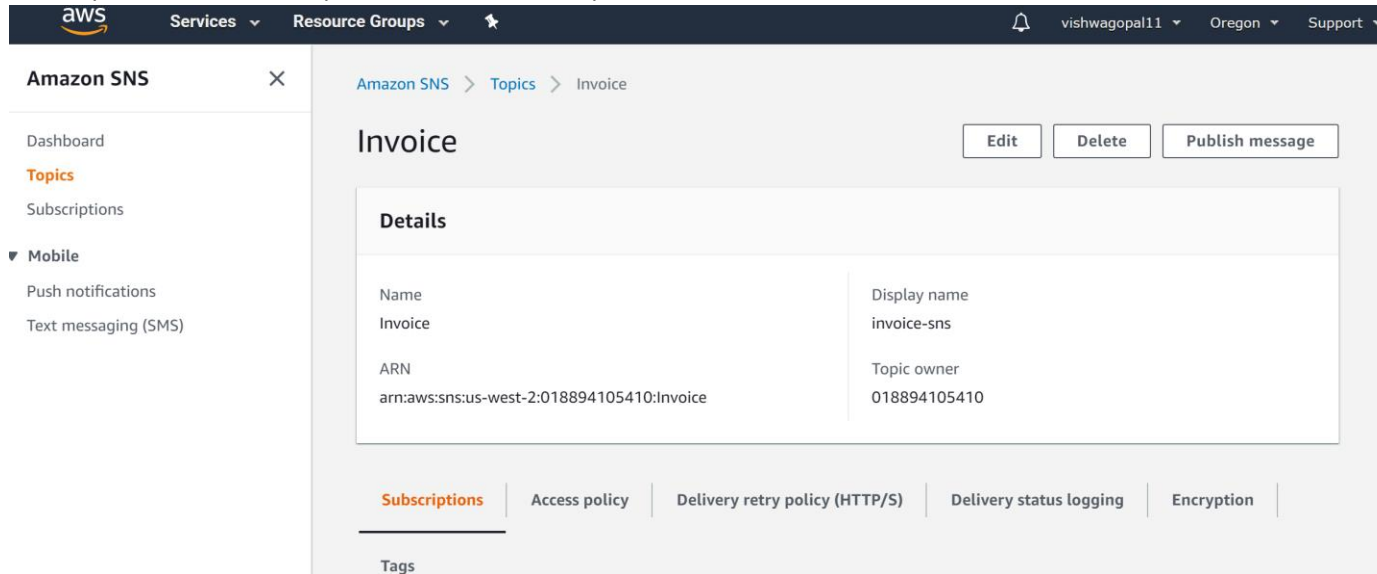
```

*****
                        Invoice
*****
Customer-ID: sm-LK0080145
Inv-ID: inv-00001
Dated: Mar 31 2018
From: Space Mechanics Inc.
To: Starfleet Interplanetary HQ
Amount: 7650
SGST: 500
Total: 8150
InWords: Space Rupees Eight thousand one hundred fifty only

Items
1) Matter antimatter fusion controller, 2000, 200
2) External inertial damper, 3100, 180
3) Type X phaser, 500, 35
4) 2MW Fusion reactor, 1200, 85
5) Transporter base dial, 850
  
```

- Setup a PUT event in the S3 bucket and send to an SNS topic created that is invoice-sns (needs to be created)

SNS Topic created: Subscription needs to be setup once the EC2 instance is created



S3 bucket event to the SNS topic link has been made

aws Services Resource Groups vishwagopal11 Global Support

Learn more Learn more

Disabled 0 Tags Suspended

Events

+ Add notification Delete Edit

Name	Events	Filter	Type
PutSNSmessage	PUT		SNS

1 Active notifications

Cancel Save

Requester pays

The requester (instead of the bucket owner) will pay for requests and data transfer.

Learn more

Disabled

Launch an EC2 instance with the specifications as Ubuntu 18.04 LTS Default VPC AZ1 using the 7 step workflow

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

AMI Details

Edit AMI



Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-06d51e91cea0dac8d

Free tier
eligible

Ubuntu Server 18.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Root Device Type: ebs Virtualization type: hvm

Instance Type

Edit instance type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups

Edit security groups

SSH Into the EC2 instance using Ubuntu CLI

ubuntu@ip-172-31-30-163: ~

```
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# ssh -i gl-vish3.pem ubuntu@54.191.179.20
The authenticity of host '54.191.179.20 (54.191.179.20)' can't be established.
ECDSA key fingerprint is SHA256:EZO68QoldCe+3tPrj6HxRm2y0v3FoYo/Oma1HGhgOe8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '54.191.179.20' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1051-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Dec 13 01:20:25 UTC 2019

System load:  0.0               Processes:            86
Usage of /:   17.3% of 7.69GB    Users logged in:     0
Memory usage: 16%              IP address for eth0: 172.31.30.163
Swap usage:   0%

 * Overheard at KubeCon: "microk8s.status just blew my mind".

    https://microk8s.io/docs/commands#microk8s.status

68 packages can be updated.
41 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-30-163:~$
```

- Run the commands provided after successful SSH into the EC2 instance

sudo apt update

```
sudo apt install python-pip -y
python -m pip install --upgrade pip setuptools
sudo apt install virtualenv -y
virtualenv ~/.virtualenvs/djangodev
source ~/.virtualenvs/djangodev/bin/activate
pip install django
pip install boto3
```

```
ubuntu@ip-172-31-30-163: ~
(djangodev) ubuntu@ip-172-31-30-163:~$ pip install django
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be maintained after that date. A future version of pip will drop support for Python 2.7. More details about Python 2 support in pip, can be found at https://pip.pypa.io/en/latest/development/release-process/#python-2-support
Collecting django
  Downloading https://files.pythonhosted.org/packages/cf/19/632a613bc37bbf890f9323ba09374ce9af1d70bb4cba7ff4d3e5e0991b47/Django-1.11.26-py2.py3-none-any.whl (6.9MB)
    | 7.0MB 5.0MB/s
Collecting pytz
  Downloading https://files.pythonhosted.org/packages/e7/f9/f0b53f88060247251bf481fa6ea62cd0d25bf1b11a87888e53ce5b7c8ad2/pytz-2019.3-py2.py3-none-any.whl (509kB)
    | 512kB 31.5MB/s
Installing collected packages: pytz, django
Successfully installed django-1.11.26 pytz-2019.3
(djangodev) ubuntu@ip-172-31-30-163:~$ pip install boto3
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be maintained after that date. A future version of pip will drop support for Python 2.7. More details about Python 2 support in pip, can be found at https://pip.pypa.io/en/latest/development/release-process/#python-2-support
Collecting boto3
  Downloading https://files.pythonhosted.org/packages/2e/b4/e8fb59efd68d4889528cb0d4227484b5aa511b765d81e05d2cd7d9bb3ca5/boto3-1.10.38-py2.py3-none-any.whl (128kB)
    | 133kB 5.0MB/s
Collecting jmespath<1.0.0,>=0.7.1
  Downloading https://files.pythonhosted.org/packages/83/94/7179c3832a6d45b266ddb2aac329e101367fbd11f425f13771d27f225bb/jmespath-0.9.4-py2.py3-none-any.whl
Collecting botocore<1.14.0,>=1.13.38
  Downloading https://files.pythonhosted.org/packages/89/7b/91602326d58e4a59a0e510e88858b4c072110679044053148545b5a170fb/botocore-1.13.38-py2.py3-none-any.whl (5.8MB)
    | 5.8MB 41.3MB/s
Collecting s3transfer<0.3.0,>=0.2.0
  Downloading https://files.pythonhosted.org/packages/16/8a/1fc3dba0c4923c2a76e1ff0d52b305c44606da63f718d14d3231e21c51b0/s3transfer-0.2.1-py2.py3-none-any.whl (70kB)
    | 71kB 13.1MB/s
Collecting urllib3<1.26,>=1.20; python_version == "2.7"
  Downloading https://files.pythonhosted.org/packages/b4/40/a9837291310ee1ccc242ceb6ebfd9eb21539649f193a7c8c86ba15b98539/urllib3-1.25.7-py2.py3-none-any.whl (125kB)
    | 133kB 40.0MB/s
Collecting python-dateutil<2.8.1,>=2.1; python_version >= "2.7"
  Downloading https://files.pythonhosted.org/packages/41/17/c62faccbfbd163c7f57f3844689e3a78bae1f403648a6afb1d0866d87fbb/python_dateutil-2.8.0-py2.py3-none-any.whl (226kB)
    | 235kB 33.5MB/s
Collecting docutils<0.16,>=0.10
  Downloading https://files.pythonhosted.org/packages/3a/dc/bf2b15d1fa15a6f7a9e77a61b74ecbbae7258558fcd8a8ffc9a6638a6b327/docutils-0.15.2-py2-none-any.whl (548kB)
    | 552kB 32.0MB/s
Collecting futures<4.0.0,>=2.2.0; python_version == "2.6" or python_version == "2.7"
  Downloading https://files.pythonhosted.org/packages/d8/a6/f46ae3f1da0cd4361c344888f59ec2f5785e69c872e175a748ef6071cdb5/futures-3.3.0-py2-none-any.whl
Collecting six>=1.5
  Downloading https://files.pythonhosted.org/packages/65/26/32b8464df2a97e6dd1b656ed26b2c194606c16fe163c695a992b36c11cdf/six-1.13.0-py2.py3-none-any.whl
Installing collected packages: jmespath, urllib3, six, python-dateutil, docutils, botocore, futures, s3transfer, boto3
Successfully installed boto3-1.10.38 botocore-1.13.38 docutils-0.15.2 futures-3.3.0 jmespath-0.9.4 python-dateutil-2.8.0 s3transfer-0.2.1 six-1.13.0 urllib3-1.25.7
(djangodev) ubuntu@ip-172-31-30-163:~$
```

Execute the Below commands in Ubuntu instance

```
sudo chown ubuntu:ubuntu -R /opt
cd /opt/
```

Goto root downloads folder and execute the below command

COPY the source file directory from local laptop to cloud ubuntu using the below command

```
scp -i <pem> -r ./docproc ubuntu@<ip>:/opt/
```

Select ubuntu@ip-172-31-30-163: /opt/docproc/api

```
ls: cannot access '-': No such file or directory
ls: cannot access 'al': No such file or directory
gl-vish3.pem gl.pem 'glpem1 (1).pem' 'glpem1 (2).pem' greatlearning.pem owncloud.pem
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# ls -l *.pem
-r-xr-xr-x 1 ubuntu ubuntu 1696 Dec 12 02:48 gl-vish3.pem
-r-xr-xr-x 1 ubuntu ubuntu 1692 Nov 17 15:09 gl.pem
-rwxrwxrwx 1 ubuntu ubuntu 1692 Nov 16 07:17 'glpem1 (1).pem'
-rwxrwxrwx 1 ubuntu ubuntu 1692 Nov 16 07:23 'glpem1 (2).pem'
-r-xr-xr-x 1 ubuntu ubuntu 1692 Nov 16 11:53 greatlearning.pem
-r-xr-xr-x 1 ubuntu ubuntu 1696 Nov 17 21:13 owncloud.pem
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# ssh -i gl-vish3.pem ubuntu@54.191.179.20
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1051-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Dec 13 05:28:39 UTC 2019

System load:  0.0          Processes:      87
Usage of /:   22.3% of 7.69GB Users logged in:  0
Memory usage: 18%         IP address for eth0: 172.31.30.163
Swap usage:   0%

 * Overheard at KubeCon: "microk8s.status just blew my mind".

https://microk8s.io/docs/commands#microk8s.status

68 packages can be updated.
41 updates are security updates.

Last login: Fri Dec 13 01:20:26 2019 from 73.61.110.39
ubuntu@ip-172-31-30-163:~$ sudo chown ubuntu:ubuntu -R /opt
ubuntu@ip-172-31-30-163:~$ cd /opt/
```



```
Select ubuntu@ip-172-31-30-163: /opt/docproc/api
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# sudo chown ubuntu:ubuntu -R /opt
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# cd /opt/
root@DESKTOP-49DC5BB:/opt# scp -i gl-vish3.pem -r ./docproc ubuntu@54.191.179.20:/opt/
Warning: Identity file gl-vish3.pem not accessible: No such file or directory.
ubuntu@54.191.179.20: Permission denied (publickey).
lost connection
root@DESKTOP-49DC5BB:/opt# cd ..
root@DESKTOP-49DC5BB:/# scp -i gl-vish3.pem -r ./docproc ubuntu@54.191.179.20:/opt/
Warning: Identity file gl-vish3.pem not accessible: No such file or directory.
ubuntu@54.191.179.20: Permission denied (publickey).
lost connection
root@DESKTOP-49DC5BB:/# pwd
/
root@DESKTOP-49DC5BB:/# cd /mnt/c/users/vishw/downloads
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# scp -i gl-vish3.pem -r ./docproc ubuntu@54.191.179.20:/opt/
admin.py 100% 128 1.2KB/s 00:00
apps.py 100% 146 1.4KB/s 00:00
__init__.py 100% 0 0.0KB/s 00:00
models.py 100% 122 1.1KB/s 00:00
tests.py 100% 125 1.2KB/s 00:00
views.py 100% 7865 68.9KB/s 00:00
__init__.py 100% 0 0.0KB/s 00:00
db.sqlite3 100% 37KB 169.8KB/s 00:00
settings.py 100% 3129 29.1KB/s 00:00
urls.py 100% 798 7.5KB/s 00:00
wsgi.py 100% 392 3.7KB/s 00:00
__init__.py 100% 0 0.0KB/s 00:00
manage.py 100% 805 7.5KB/s 00:00
root@DESKTOP-49DC5BB:/mnt/c/users/vishw/downloads# ssh -i gl-vish3.pem ubuntu@54.191.179.20
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1051-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Fri Dec 13 05:46:35 UTC 2019

System load: 0.0          Processes:            86
Usage of /:  22.3% of 7.69GB Users logged in:          0
Memory usage: 18%        IP address for eth0: 172.31.30.163
Swap usage:  0%

 * Overheard at KubeCon: "microk8s.status just blew my mind".
```

Modify the manage.py file as needed for the dynamo DB and region details and the target S3 bucket

```
Select ubuntu@ip-172-31-30-163: /opt/docproc/api
ubuntu@ip-172-31-30-163:/opt/docproc$ ls -al
total 60
drwxrwxrwx 4 ubuntu ubuntu 4096 Dec 13 05:39 .
drwxr-xr-x 3 ubuntu ubuntu 4096 Dec 13 05:38 ..
drwxrwxrwx 3 ubuntu ubuntu 4096 Dec 13 05:39 api
-rwxrwxr-x 1 ubuntu ubuntu 37888 Dec 13 05:39 db.sqlite3
drwxrwxrwx 2 ubuntu ubuntu 4096 Dec 13 05:39 docproc
-rwxrwxr-x 1 ubuntu ubuntu 805 Dec 13 05:39 manage.py
ubuntu@ip-172-31-30-163:/opt/docproc$ cd api
ubuntu@ip-172-31-30-163:/opt/docproc/api$ ls -al
total 36
drwxrwxrwx 3 ubuntu ubuntu 4096 Dec 13 05:39 .
drwxrwxrwx 4 ubuntu ubuntu 4096 Dec 13 05:39 ..
-rwxrwxr-x 1 ubuntu ubuntu 0 Dec 13 05:39 __init__.py
-rwxrwxr-x 1 ubuntu ubuntu 128 Dec 13 05:38 admin.py
-rwxrwxr-x 1 ubuntu ubuntu 146 Dec 13 05:39 apps.py
drwxrwxrwx 2 ubuntu ubuntu 4096 Dec 13 05:39 migrations
-rwxrwxr-x 1 ubuntu ubuntu 122 Dec 13 05:39 models.py
-rwxrwxr-x 1 ubuntu ubuntu 125 Dec 13 05:39 tests.py
-rwxrwxr-x 1 ubuntu ubuntu 7865 Dec 13 05:39 views.py
```

```
Select ubuntu@ip-172-31-30-163: /opt/docproc/api
ubuntu@ip-172-31-30-163:/opt/docproc/api$ rm -f views.py
ubuntu@ip-172-31-30-163:/opt/docproc/api$ cat > views.py
# -*- coding: utf-8 -*-

# *****
# Author - Nirmallya Mukherjee
# To run the application use the following
# ubuntu@ip-54-191-179-20:/opt/docproc$ python manage.py runserver 0:8080
# *****

from django.http import HttpResponse
from django.views.decorators.csrf import csrf_exempt
from botocore.exceptions import ClientError
from boto3.dynamodb.conditions import Key, Attr
import json
import boto3
import datetime

dynamodb = boto3.resource('dynamodb', region_name='us-west-2')
s3_target_bucket = 'gl-vish-invoice-dest'

# *****
# Below methods are the handlers for the web http endpoint
# *****
#This is the main method that is mapped to the URI (in urls.py)
#CSRF is needed for the SNS to make a call from another domain
@csrf_exempt
def message(request):
    print '***** Incoming request *****'
    print request(request)
    #SNS http end point will have the notification details in the body
    #Check the http header and see if the sns header details are present, if so proceed else throw except
    process_document(request.body)
    return HttpResponse('API invoked; your http record is now saved.')

#Credit https://gist.github.com/defrex/6140951
def print_request(request):
    headers = ''
    for header, value in request.META.items():
```

Before executing the python script, just ensure that the default VPC associated with the EC2 instance is updated with a flow log for the S3 bucket

aws

Services

Resource Groups

vishwagopal11

Oregon

Support

VPCs > Create flow log

Create flow log

✓

The following flow logs were created:

Flow Log IDsfl-0f6e4fb707dda00bc

Close

Open HTTP Port on the EC2 instance by updating the Security group

aws

Services

Resource Groups

vishwagopal11

Oregon

Support

New EC2 Experience

Tell us what you think

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name

Instance ID

Instance Type

Availability Zone

Instance State

Status Checks

Alarm S

i-0eda859bcd788108a

t2.micro

us-west-2a

running

2/2 checks ...

None

Instance type

t2.micro

Finding

Opt-in to AWS Compute Optimizer for recommendations. Learn more

Private DNS

ip-172-31-30-163.us-west-2.compute.internal

Private IPs

172.31.30.163

Secondary private IPs

VPC ID

vpc-ed28a095 (default-vpc)

Subnet ID

subnet-4bca2f33 (def-subnet-2a)

Network interfaces

eth0

IPv6 IPs

-

Elastic IPs

-

Availability zone

us-west-2a

Security groups

launch-wizard-1, open-http. view inbound rules. view outbound rules

Scheduled events

No scheduled events

AMI ID

ubuntu/images/hvm-ssd/ubuntu-bionic-18.04-amd64-server-20191002 (ami-06d51e91cea0dac8d)

Platform

-

IAM role

-

aws

Services

Resource Groups

🔔

vishwagopal11

Oregon

Support

New EC2 Experience

Tell us what you think

EC2 Dashboard New

Events

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Create Security Group

Actions

Group ID : sg-0cff4762f3f1faedf

Add filter

	Name	Group ID	Group Name	VPC ID	Owner	Description
<input checked="" type="checkbox"/>		sg-0cff4762f3f1faedf	open-hhttp	vpc-ed28a095	018894105410	Opens port 80 for http

Security Group: sg-0cff4762f3f1faedf

Description

Inbound

Outbound

Tags

Edit

Type	Protocol	Port Range	Source	Description
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	::/0	

aws

Services

Resource Groups

🔔

vishwagopal11

Oregon

Support

New EC2 Experience

Tell us what you think

EC2 Dashboard New

Events

Tags

Reports

Limits

INSTANCES

Instances

Instance Types

Launch Templates New

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Create Security Group

Actions

Group ID : sg-0cff4762f3f1faedf

Add filter

	Name	Group ID	Group Name	VPC ID	Owner	Description
<input checked="" type="checkbox"/>		sg-0cff4762f3f1faedf	open-hhttp	vpc-ed28a095	018894105410	Opens port 80 for http

Security Group: sg-0cff4762f3f1faedf

Description

Inbound

Outbound

Tags

Edit

Type	Protocol	Port Range	Destination	Description
HTTP	TCP	80	0.0.0.0/0	

Setup IAM roles for S3 and Dynamo DB in IAM screen and have them attached to the EC2 instance

← → ↻ console.aws.amazon.com/iam/home?#/roles/Project2role 🔍 ☆

Apps Install the AWS CLI... aws — AWS CLI 1.1...

aws Services ▾ Resource Groups ▾ ☆

Identity and Access Management (IAM)

- Dashboard
- Access management
 - Groups
 - Users
 - Roles**
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analyzer details
 - Credential report
 - Organization activity
 - Service control policies

Roles > Project2role

Summary

Delete role

Role ARN	arn:aws:iam::018894105410:role/Project2role
Role description	Allows EC2 instances to call AWS services on your behalf. Edit
Instance Profile ARNs	arn:aws:iam::018894105410:instance-profile/Project2role
Path	/
Creation time	2019-12-13 03:10 EST
Last activity	Not accessed in the tracking period
Maximum CLI/API session duration	1 hour Edit

Permissions Trust relationships Tags Access Advisor Revoke sessions

▼ Permissions policies (2 policies applied)

[Attach policies](#) [+ Add inline policy](#)

Policy name ▾	Policy type ▾	
▶ AmazonS3FullAccess	AWS managed policy	✕
▶ AmazonDynamoDBFullAccess	AWS managed policy	✕

Execute the manage.py script to get the output as required

```
ubuntu@ip-172-31-30-163: /opt/docproc
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ pip install django
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be maintained after that date. A future version of pip will drop support for Python 2.7. More details about Python 2 support in pip, can be found at https://pip.pypa.io/en/latest/development/release-process/#python-2-support
Requirement already satisfied: django in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (1.11.26)
Requirement already satisfied: pytz in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from django) (2019.3)
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ pip install boto3
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade your Python as Python 2.7 won't be maintained after that date. A future version of pip will drop support for Python 2.7. More details about Python 2 support in pip, can be found at https://pip.pypa.io/en/latest/development/release-process/#python-2-support
Requirement already satisfied: boto3 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (1.10.38)
Requirement already satisfied: jmespath<1.0.0,>=0.7.1 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from boto3) (0.9.4)
Requirement already satisfied: botocore<1.14.0,>=1.13.38 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from boto3) (1.13.38)
Requirement already satisfied: s3transfer<0.3.0,>=0.2.0 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from boto3) (0.2.1)
Requirement already satisfied: urllib3<1.26,>=1.20; python_version == "2.7" in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from botocore<1.14.0,>=1.13.38->boto3) (1.25.7)
Requirement already satisfied: python-dateutil<2.8.1,>=2.1; python_version >= "2.7" in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from botocore<1.14.0,>=1.13.38->boto3) (2.8.0)
Requirement already satisfied: docutils<0.16,>=0.10 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from botocore<1.14.0,>=1.13.38->boto3) (0.15.2)
Requirement already satisfied: futures<4.0.0,>=2.2.0; python_version == "2.6" or python_version == "2.7" in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from s3transfer<0.3.0,>=0.2.0->boto3) (3.3.0)
Requirement already satisfied: six>=1.5 in /home/ubuntu/.virtualenvs/djangodev/lib/python2.7/site-packages (from python-dateutil<2.8.1,>=2.1; python_version >= "2.7"->botocore<1.14.0,>=1.13.38->boto3) (1.13.0)
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ sudo chown ubuntu:ubuntu -R /opt
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ cd /opt/
(djangodev) ubuntu@ip-172-31-30-163:/opt$ cd docproc/
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ ls -al
total 60
drwxrwxrwx 4 ubuntu ubuntu 4096 Dec 13 05:39 .
drwxr-xr-x 3 ubuntu ubuntu 4096 Dec 13 05:38 ..
drwxrwxrwx 3 ubuntu ubuntu 4096 Dec 13 05:57 .git
-rwxrwxr-x 1 ubuntu ubuntu 37888 Dec 13 05:39 db.sqlite3
drwxrwxrwx 2 ubuntu ubuntu 4096 Dec 13 05:39 docproc
-rwxrwxr-x 1 ubuntu ubuntu 805 Dec 13 05:39 manage.py
(djangodev) ubuntu@ip-172-31-30-163:/opt/docproc$ python manage.py runserver 0:8080
Performing system checks...

System check identified no issues (0 silenced).
December 13, 2019 - 07:40:40
Django version 1.11.26, using settings 'docproc.settings'
Starting development server at http://0:8080/
quit the server with CONTROL-C.
```

Got the output in the Destination queue:

gl-vish-invoice-dest

Overview

Type a prefix and press Enter to search. Press ESC to clear.

Upload Create folder Download Actions

US West (Oregon)

Viewing 1 to 24

<input type="checkbox"/>	Name	Last modified	Size	Storage class
<input type="checkbox"/>	018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 1:33:52 AM GMT-0500	470.0 B	Standard
<input type="checkbox"/>	018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 1:33:53 AM GMT-0500	366.0 B	Standard
<input type="checkbox"/>	018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 1:43:52 AM GMT-0500	806.0 B	Standard

← → ↻ s3.console.aws.amazon.com/s3/buckets/gl-vish-invoice-dest/AWSLogs/018894105410/vpcflowlogs/us-west-2/2019/12/13/?region=us-west-2&tab=overview ☆ v

Apps Install the AWS CLI... aws — AWS CLI 1.1...










aws Services Resource Groups

vishwagopal11 Global Support

🔍 Type a prefix and press Enter to search. Press ESC to clear.

📁 Upload + Create folder Download Actions

US West (Oregon) ↻

<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:03:53 AM GMT-0500	569.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:03:53 AM GMT-0500	434.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:13:53 AM GMT-0500	413.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:13:53 AM GMT-0500	564.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:23:53 AM GMT-0500	419.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:23:53 AM GMT-0500	390.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:33:54 AM GMT-0500	456.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:33:53 AM GMT-0500	387.0 B	Standard
<input type="checkbox"/>	 018894105410_vpcflowlogs_us-west-2_fl-0f6e4fb707dda00bc_20191213T0...	Dec 13, 2019 2:42:54 AM GMT-0500	378.0 B	Standard

Operations 0 In progress 1 Success 0 Error

Feedback English (US)

© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

All the files are being sent to the target S3 bucket as requested.