

```
import lpymeetup
import lightningtalk
import datetime

title = 'AWS triggered - a short foray into \
Lambda functions and S3 buckets'
name = 'Roman Luštrik'

company = 'Genialis'
email = 'roman.lustrik@biolitika.si'
social_media_handle = 'romunov'
datum = datetime.datetime(2019, 7, 22)
location = {'name': 'poligon (Tobačna)',
            'xy': [46.0483143, 14.4937637]}
```



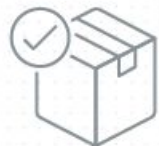
Photograph is taken



Lambda is triggered



Photo is resized into web, mobile, and tablet sizes



Online order is placed



Lambda is triggered



Analytics generated from data



Services ▾

Resource Groups ▾



Amazon S3

Buckets

Batch operations

Block public access
(account settings)Feature spotlight **2**

Welcome to Amazon S3. Create new buckets or select an existing bucket to view and configure properties.

S3 buckets

[+ Create bucket](#)[Edit public access settings](#)[Empty](#)[Delete](#) Bucket name ▾

Access ▾

 kurc.biolitika.si**Public** mergeexpressions-output

Bucket and objects not public

 mergexpressions-input

Bucket and objects not public

print_ls

Throttle

Qualifiers ▾

Actions ▾

triggeredS3Put ▾



print_ls

Layers

(0)



S3



Amazon CloudWatch Logs



Amazon S3

Resources that the function's role has access to appear here

+ Add trigger

Function code [Info](#)

Code entry type

Edit code inline ▾

Runtime

Python 3.7 ▾

Handler [Info](#)

test_lambda_fun.print_ls

File Edit Find View Go Tools Window

Environment
print_ls
test_lambda_fun.py




test_lambda_fun x +

```
1 import json
2 import boto3
3 from botocore.exceptions import ClientError
4
5 def print_ls(event, context):
6     """
7     List objects from an S3 bucket and write it to another S3 bucket
8
9     Function will list all objects from an S3 bucket, create a text file and
```

Overview	Properties
Permissions	Management

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

[Upload](#) [+ Create folder](#) [Download](#) [Actions](#) ▾

<input type="checkbox"/>	Name ▾	Last modified ▾		
<input type="checkbox"/>	 groups_3.jpg	Jul 11, 2019 8:15:11 PM GMT+0200	24.5 KB	Standard
<input type="checkbox"/>	 image.png	Jul 11, 2019 7:35:37 PM GMT+0200	78.7 KB	Standard
<input type="checkbox"/>	 profil.jpg	Jul 11, 2019 7:07:39 PM GMT+0200	63.1 KB	Standard

Viewing 1 to 3

Properties

Management

search. Press ESC to clear.

[Download](#) [Actions](#) ▾

<input type="checkbox"/>	 ls.txt	Jul 11, 2019 8:15:14 PM GMT+0200		
--------------------------	--	--	--	--

```
C:\Users\romunov\Downloads\ls.txt - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
groups_3.jpg (triggered)
image.png
profil.jpg
```

length: 46 Ln: 1 Col: 1 Sel: 0 | 0 Unix (LF) UTF-8 INS

CloudWatch metrics

[View logs in CloudWatch](#)[View traces in X-Ray](#)[Add to dashboard](#)

1h

3h

12h

1d

3d

1w



Invocations



Duration



Error count and success rate (%)



Throttles

IteratorAge

DeadLetterErrors

Overview Properties Management

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

Upload Create folder Download Actions

Name	Last modified	length	Ln	Col	Sel	Unix (LF)	UTF-8	INS
<input type="checkbox"/> groups_3.jpg	Jul 11, 2019 8:15:11 PM GMT+0200	24.5 KB						
<input type="checkbox"/> image.png	Jul 11, 2019 7:35:37 PM GMT+0200	78.7 KB						
<input type="checkbox"/> profil.jpg	Jul 11, 2019 7:07:39 PM GMT+0200	63.1 KB						
<input type="checkbox"/> sloni.JPG	Jul 21, 2019 10:47:27 AM GMT+0200	25.7 KB						

```
C:\Users\romunov\Downloads\ls (1).txt - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window
ls.txt x ls (1).txt x
1 groups_3.jpg
2 image.png
3 profil.jpg
4 sloni.JPG (triggered)
5
```

Properties Management

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

Create folder Download

Name	Last modified
<input type="checkbox"/> Is.txt	Jul 11, 2019 8:15:14 PM GMT+0200