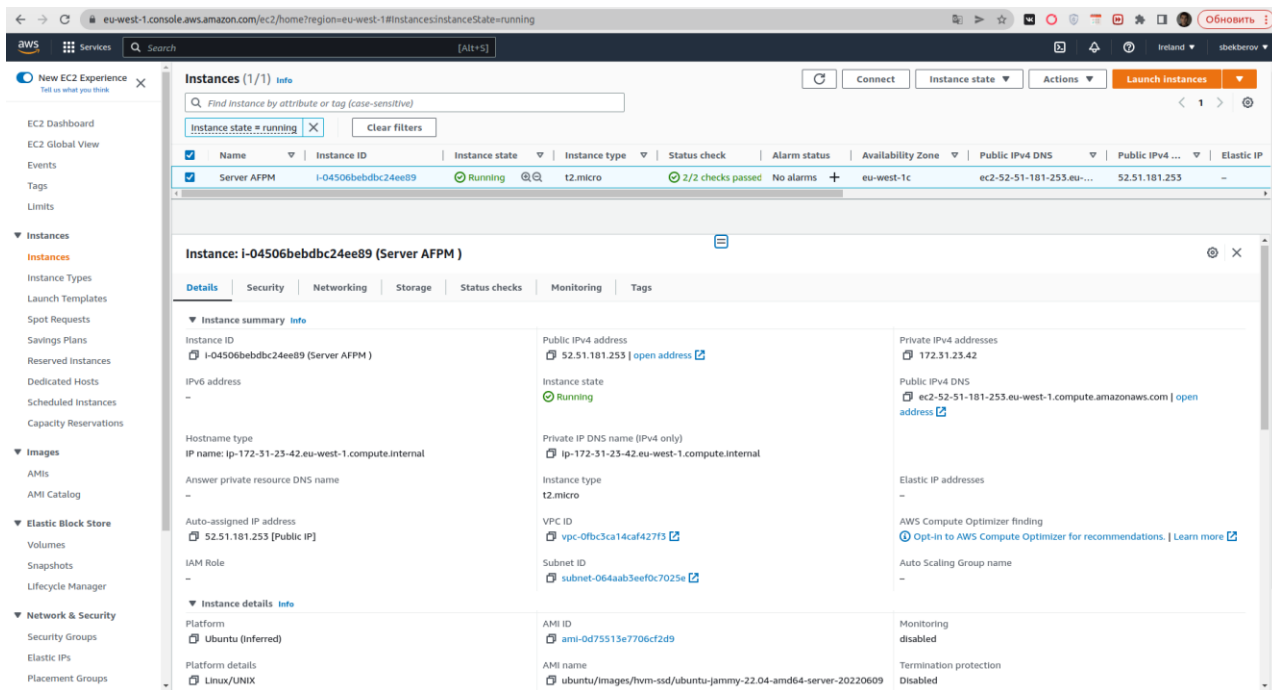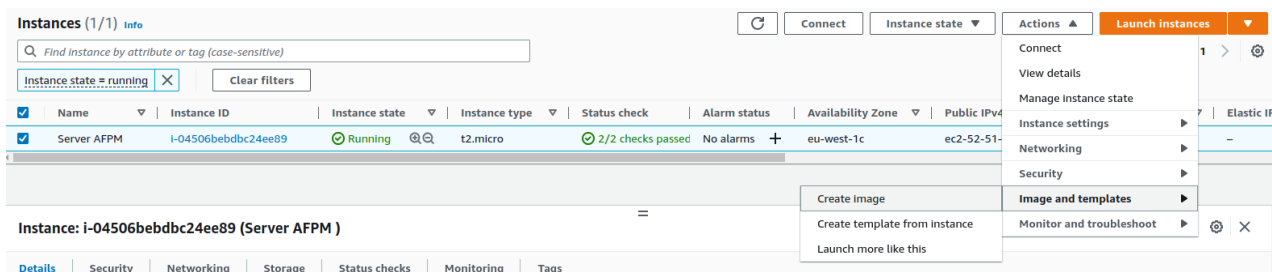7. Review Getting Started with Amazon EC2. Log Into Your AWS Account, Launch, Configure, Connect and Terminate Your Instance. Do not use Amazon Lightsail. It is recommended to use the t2 or t3.micro instance and the CentOS operating system.

8. Create a snapshot of your instance to keep as a backup.

	Name ▽	Snapshot ID ▽	Size ▽	Description ▽	Storage... ▽	Snapshot status ▽	Started ▽	Progress ▽	Encryption ▽
☑	–	snap-0c6833b1c25521ad0	8 GiB	Created by CreateImage(i-...	Standard	⊘ Completed	2023/02/07 16:04 GMT+0	⊘ Available (100%)	Not encrypted

Snapshots (1/1)   ↻   ⧉ Recycle Bin   Actions ▼   **Create snapshot**

Owned by me ▼   🔍 Search   ‹ 1 › ⚙

Snapshot ID: snap-0c6833b1c25521ad0

Details | Permissions | Storage tier | Tags

Snapshot ID	Size	Progress	Snapshot status
⧉ snap-0c6833b1c25521ad0	⧉ 8 GiB	⊘ Available (100%)	⊘ Completed

Owner	Volume ID	Started	Product codes
⧉ 366470444510	⧉ vol-04842bf04976e4812	⧉ Tue Feb 07 2023 16:04:07 GMT+0000 (GMT)	-

Encryption	KMS key ID	KMS key alias	KMS key ARN
Not encrypted	-	-	-

Fast snapshot restore	Description
-	⧉ Created by CreateImage(i-04506bebdbc24ee89) for ami-0ee8bb9b5d26bb691

9. Create and attach a Disk_D (EBS) to your instance to add more storage space. Create and save some file on Disk_D.

Create volume Info

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type Info

Magnetic (standard) ▼

Size (GiB) Info

3

Min: 1 GiB, Max: 1024 GiB. The value must be an integer.

IOPS Info

Not applicable

Throughput (MiB/s) Info

Not applicable

Availability Zone Info

eu-west-1c ▼

Snapshot ID - *optional* Info

Don't create volume from a snapshot ▼   ↻

Encryption Info

Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.

☐ **Encrypt this volume**

Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID

📋 vol-0acdb94a660e84d5b

Availability Zone

eu-west-1c

Instance Info

i-04506bebdbc24ee89 ▼   ↻

Only instances in the same Availability Zone as the selected volume are displayed.

Device name Info

/dev/sdf

Recommended device names for Linux: /dev/sda1 for root volume. /dev/sd[f-p] for data volumes.

ⓘ Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdp** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

Cancel   **Attach volume**

```
ubuntu@ip-172-31-23-42:~$ lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0         7:0     0  25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1         7:1     0  24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2         7:2     0  55.6M  1 loop /snap/core18/2667
loop3         7:3     0  55.6M  1 loop /snap/core18/2679
loop4         7:4     0  63.3M  1 loop /snap/core20/1778
loop5         7:5     0  63.3M  1 loop /snap/core20/1822
loop6         7:6     0   103M  1 loop /snap/lxd/23541
loop7         7:7     0 111.9M  1 loop /snap/lxd/24322
loop8         7:8     0  49.6M  1 loop /snap/snapd/17883
loop9         7:9     0  49.8M  1 loop /snap/snapd/17950
xvda        202:0     0     8G  0 disk
├─xvda1     202:1     0   7.9G  0 part /
├─xvda14    202:14    0     4M  0 part
└─xvda15    202:15    0   106M  0 part /boot/efi
ubuntu@ip-172-31-23-42:~$ lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0         7:0     0  25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1         7:1     0  24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2         7:2     0  55.6M  1 loop /snap/core18/2667
loop3         7:3     0  55.6M  1 loop /snap/core18/2679
loop4         7:4     0  63.3M  1 loop /snap/core20/1778
loop5         7:5     0  63.3M  1 loop /snap/core20/1822
loop6         7:6     0   103M  1 loop /snap/lxd/23541
loop7         7:7     0 111.9M  1 loop /snap/lxd/24322
loop8         7:8     0  49.6M  1 loop /snap/snapd/17883
loop9         7:9     0  49.8M  1 loop /snap/snapd/17950
xvda        202:0     0     8G  0 disk
├─xvda1     202:1     0   7.9G  0 part /
├─xvda14    202:14    0     4M  0 part
└─xvda15    202:15    0   106M  0 part /boot/efi
xvdf        202:80    0     3G  0 disk
ubuntu@ip-172-31-23-42:~$
```

10. Launch the second instance from backup.

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name

| instance-from-backup | Add additional tags |

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍 Search our full catalog including 1000s of application and OS images

| Recents | **My AMIs** | Quick Start |

| ● Owned by me | ○ Shared with me |

🔍 **Browse more AMIs**

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

afpm_server
ami-0ee8bb9b5d26bb691
2023-02-07T16:02:37.000Z   Virtualization: hvm   ENA enabled: true   Root device type: ebs   ▼

Description

Image of my instance

Architecture   **AMI ID**

Volumes (1/3)   ↻ | Actions ▲ | **Create volume** |

🔍 Search

■	Name ▽	Volume ID ▽	Type ▽	Size ▽	IOPS ▽	Throughput ▽	Snapshot ▽	Created ▽	Availabili	Modify volume	
☐	–	vol-0f46b7d77ef42eec9	gp2	8 GiB	100	–	snap-0c6833b…	2023/02/07 16:25 GMT+0	eu-west-1	Create snapshot	No
☐	–	vol-04842bf04976e4812	gp2	8 GiB	100	–	snap-093ee47…	2022/08/12 09:30 GMT+0	eu-west-1	Create snapshot lifecycle policy	No
☑	–	vol-0acdb94a660e84d5b	standard	3 GiB	–	–	–	2023/02/07 16:18 GMT+0	eu-west-1	Delete volume	No

Actions menu:
- Modify volume
- Create snapshot
- Create snapshot lifecycle policy
- Delete volume
- Attach volume
- **Detach volume**
- Force detach volume
- Manage auto-enabled I/O
- Manage tags
- Fault injection ▶

Volume ID: vol-0acdb94a660e84d5b

	Name	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Public IPv4 DNS	▽	Public IPv4 ...	▽	Elastic
☐	Server AFPM		i-04506bebdbc24ee89	⊘ Running	⊕⊖	t2.micro		⊘ 2/2 checks passed	No alarms ＋	eu-west-1c		ec2-52-51-181-253.eu-...		52.51.181.253		–
☑	Instance-from...		i-09ec5c382043c8cc5	⊘ Running	⊕⊖	t2.micro		–	No alarms ＋	eu-west-1a		ec2-52-213-70-124.eu-...		52.213.70.124		–

=

Instance: i-09ec5c382043c8cc5 (instance-from-backup) ⚙ ✕

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
⧉ i-09ec5c382043c8cc5 (instance-from-backup)	⧉ 52.213.70.124 | open address ⧉	⧉ 172.31.47.220
IPv6 address	Instance state	Public IPv4 DNS
–	⊘ Running	⧉ ec2-52-213-70-124.eu-west-1.compute.amazonaws.com | open address ⧉
Hostname type	Private IP DNS name (IPv4 only)	
IP name: ip-172-31-47-220.eu-west-1.compute.internal	⧉ ip-172-31-47-220.eu-west-1.compute.internal	
Answer private resource DNS name	Instance type	Elastic IP addresses
IPv4 (A)	t2.micro	–
Auto-assigned IP address	VPC ID	AWS Compute Optimizer finding
⧉ 52.213.70.124 [Public IP]	⧉ vpc-0fbc3ca14caf427f3 ⧉	ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more ⧉
IAM Role	Subnet ID	Auto Scaling Group name
–	⧉ subnet-09e88706cd1d16bb7 ⧉	–

▼ Instance details Info

Platform	AMI ID	Monitoring
⧉ Linux/UNIX (Inferred)	⧉ ami-0ee8bb9b5d26bb691	disabled
Platform details	AMI name	Termination protection
⧉ Linux/UNIX	⧉ afpm_server	Disabled

11. Detach Disk_D from the 1st instance and attach disk_D to the new instance.

Volumes (1/3) ↻ Actions ▲ **Create volume**

Q Search

	Name	▽	Volume ID	▽	Type	▽	Size	▽	IOPS	▽	Throughput	▽	Snapshot	▽	Created	▽	Availabili		A
☐	–		vol-0f46b7d77ef42eec9		gp2		8 GiB		100		-		snap-0c6833b...		2023/02/07 16:25 GMT+0		eu-west-1		No
☐	–		vol-04842bf04976e4812		gp2		8 GiB		100		-		snap-093ee47...		2022/08/12 09:30 GMT+0		eu-west-1		No
☑	–		vol-0acdb94a660e84d5b		standard		3 GiB		-		-		-		2023/02/07 16:18 GMT+0		eu-west-1		No

Modify volume
Create snapshot
Create snapshot lifecycle policy
Delete volume
Attach volume
Detach volume
Force detach volume
Manage auto-enabled I/O
Manage tags
Fault injection ▶

=

Volume ID: vol-0acdb94a660e84d5b

```
ubuntu@ip-172-31-23-42:~$ lsblk
NAME       MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0        7:0    0  25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1        7:1    0  24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2        7:2    0  55.6M  1 loop /snap/core18/2667
loop3        7:3    0  55.6M  1 loop /snap/core18/2679
loop4        7:4    0  63.3M  1 loop /snap/core20/1778
loop5        7:5    0  63.3M  1 loop /snap/core20/1822
loop6        7:6    0   103M  1 loop /snap/lxd/23541
loop7        7:7    0 111.9M  1 loop /snap/lxd/24322
loop8        7:8    0  49.6M  1 loop /snap/snapd/17883
loop9        7:9    0  49.8M  1 loop /snap/snapd/17950
xvda       202:0    0     8G  0 disk
├─xvda1    202:1    0   7.9G  0 part /
├─xvda14   202:14   0     4M  0 part
└─xvda15   202:15   0   106M  0 part /boot/efi
xvdf       202:80   0     3G  0 disk
ubuntu@ip-172-31-23-42:~$ lsblk
NAME       MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0        7:0    0  25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1        7:1    0  24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2        7:2    0  55.6M  1 loop /snap/core18/2667
loop3        7:3    0  55.6M  1 loop /snap/core18/2679
loop4        7:4    0  63.3M  1 loop /snap/core20/1778
loop5        7:5    0  63.3M  1 loop /snap/core20/1822
loop6        7:6    0   103M  1 loop /snap/lxd/23541
loop7        7:7    0 111.9M  1 loop /snap/lxd/24322
loop8        7:8    0  49.6M  1 loop /snap/snapd/17883
loop9        7:9    0  49.8M  1 loop /snap/snapd/17950
xvda       202:0    0     8G  0 disk
├─xvda1    202:1    0   7.9G  0 part /
├─xvda14   202:14   0     4M  0 part
└─xvda15   202:15   0   106M  0 part /boot/efi
ubuntu@ip-172-31-23-42:~$
```

Volumes (3)

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Availability Zone	Volume state	Al
	–	vol-0f46b7d77ef42eec9	gp2	8 GiB	100	–	snap-0c6833b...	2023/02/07 16:25 GMT+0	eu-west-1a	⊘ In-use	Nc
	–	vol-04842bf04976e4812	gp2	8 GiB	100	–	snap-093ee47...	2022/08/12 09:30 GMT+0	eu-west-1c	⊘ In-use	Nc
	–	vol-0acdb94a660e84d5b	standard	3 GiB	–	–	–	2023/02/07 16:18 GMT+0	eu-west-1c	⊘ Available	Nc

EC2 > Volumes > vol-0acdb94a660e84d5b > Attach volume

Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

Basic details

Volume ID

🗗 vol-0acdb94a660e84d5b

Availability Zone

eu-west-1c

Instance Info

| i-0d9fbe6a30a616250 | ▲ | | ⟳ |

| 🔍 | ed. |

i-04506bebdbc24ee89
(Server AFPM) (running)

i-0d9fbe6a30a616250
(instance-from-backup) (running)   for data volumes.

i-0d9fbe6a30a616250

ⓘ Newer Linux kernels may rename your devices to **/dev/xvdf** through
/dev/xvdp internally, even when the device name entered here (and shown in
the details) is **/dev/sdf** through **/dev/sdp**.

Cancel   **Attach volume**

```
ubuntu@ip-172-31-16-192:~$ lsblk
NAME      MAJ:MIN RM    SIZE RO TYPE MOUNTPOINTS
loop0       7:0     0   25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1       7:1     0   24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2       7:2     0   55.6M  1 loop /snap/core18/2667
loop3       7:3     0   55.6M  1 loop /snap/core18/2679
loop4       7:4     0   63.3M  1 loop /snap/core20/1778
loop5       7:5     0   63.3M  1 loop /snap/core20/1822
loop6       7:6     0    103M  1 loop /snap/lxd/23541
loop7       7:7     0  111.9M  1 loop /snap/lxd/24322
loop8       7:8     0   49.6M  1 loop /snap/snapd/17883
loop9       7:9     0   49.8M  1 loop /snap/snapd/17950
xvda      202:0     0      8G  0 disk
├─xvda1   202:1     0    7.9G  0 part /
├─xvda14  202:14    0      4M  0 part
└─xvda15  202:15    0    106M  0 part /boot/efi
ubuntu@ip-172-31-16-192:~$ lsblk
NAME      MAJ:MIN RM    SIZE RO TYPE MOUNTPOINTS
loop0       7:0     0   25.1M  1 loop /snap/amazon-ssm-agent/5656
loop1       7:1     0   24.4M  1 loop /snap/amazon-ssm-agent/6312
loop2       7:2     0   55.6M  1 loop /snap/core18/2667
loop3       7:3     0   55.6M  1 loop /snap/core18/2679
loop4       7:4     0   63.3M  1 loop /snap/core20/1778
loop5       7:5     0   63.3M  1 loop /snap/core20/1822
loop6       7:6     0    103M  1 loop /snap/lxd/23541
loop7       7:7     0  111.9M  1 loop /snap/lxd/24322
loop8       7:8     0   49.6M  1 loop /snap/snapd/17883
loop9       7:9     0   49.8M  1 loop /snap/snapd/17950
xvda      202:0     0      8G  0 disk
├─xvda1   202:1     0    7.9G  0 part /
├─xvda14  202:14    0      4M  0 part
└─xvda15  202:15    0    106M  0 part /boot/efi
xvdf      202:80    0      3G  0 disk
ubuntu@ip-172-31-16-192:~$
```

12. Review the 10-minute example. Explore the possibilities of creating your own domain and domain name for your site. Note, that Route 53 not free service. Alternatively you can free register the domain name *.PP.UA and use it.

Amazon S3 > Buckets

▶ **Account snapshot**
Storage lens provides visibility into storage usage and activity trends. Learn more ↗

View Storage Lens dashboard

Buckets (2) Info
Buckets are containers for data stored in S3. Learn more ↗

C   Copy ARN   Empty   Delete   **Create bucket**

🔍 Find buckets by name

‹ 1 › ⚙

	Name		AWS Region		Access		Creation date	▲
○	www.sbekberov.pp.ua		EU (Ireland) eu-west-1		⚠ Public		February 8, 2023, 12:58:15 (UTC+00:00)	
○	sbekberov.pp.ua		EU (Ireland) eu-west-1		⚠ Public		February 8, 2023, 12:58:33 (UTC+00:00)	

---

nic.ua   Domains   Hosting   Protection   More ˅   🛒

Contact us   Selim Bekberov ˅

⊞ Dashboard
⌂ **Domains**
⊕ Name Servers
☁ Hosting
🏛 Cloud
🔒 SSL-certificates
—

Domains   Register domain   Transfer domain

☐ Domain ⁝	NS ⁝	Expiry date ⁝	Order ⁝	AR ⓘ ⁝	
☐ ● sbekberov.pp.ua	Custom NS (6)	08 Feb 2024	2251128	⚪	Renew ⚙

Renew   Change NS

Route 53 > Hosted zones > sbekberov.pp.ua

Public **sbekberov.pp.ua** Info

Delete zone   Test record   Configure query logging

▶ **Hosted zone details**

Edit hosted zone

Records (4) | DNSSEC signing | Hosted zone tags (0)

Records (4) Info
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

C   Delete record   Import zone file   **Create record**

🔍 Filter records by property or value

Type ▼   Routing policy ▼   Alias ▼   ‹ 1 › ⚙

☐	Record name ▽	Type ▽	Routin... ▽	Differ... ▽	Value/Route traffic to ▽	TTL (seconds)
☐	sbekberov.pp.ua	A	Simple	-	s3-website-eu-west-1.amazo...	-
☐	sbekberov.pp.ua	NS	Simple	-	ns-1881.awsdns-43.co.uk. ns-856.awsdns-43.net. ns-174.awsdns-21.com. ns-1404.awsdns-47.org.	172800
☐	sbekberov.pp.ua	SOA	Simple	-	ns-1881.awsdns-43.co.uk. a...	900
☐	www.sbekberov.pp.ua	A	Simple	-	s3-website-eu-west-1.amazo...	-

13. Launch and configure a WordPress instance with Amazon Lightsail link
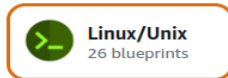

⊕ Create an instance

Instance location ⓘ

🇩🇪 You are creating this instance in **Frankfurt, Zone A** (eu-central-1a)
✎ Change AWS Region and Availability Zone
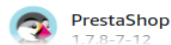
Pick your instance image ⓘ

Select a platform

| Linux/Unix 26 blueprints | Microsoft Windows 4 blueprints |

Select a blueprint

Apps + OS | OS Only

WordPress 6.1.1-13	WordPress Multisite 6.1.1-13	LAMP (PHP 8) 8.1.13-5	LAMP (PHP 7) 7.4.30-11
Node.js 16.18.1-10	Joomla 3.10.11-17	Magento 2.4.5-p1-21	MEAN 6.0.3-15
Drupal 9.4.9-2	GitLab CE 15.6.2-ce.0-0	Redmine 5.0.4-2	Nginx 1.23.3-0
Ghost 4.48.9-7	Django 3.2.16-24	PrestaShop 1.7.8-7-12	Plesk Hosting Stack on
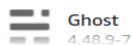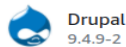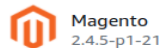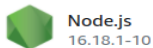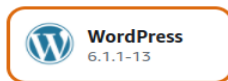
©2008-2023, Amazon Web Services, Inc. or its affiliates. All rights

Identify your instance

Your Lightsail resources must have unique names.

| WordPress-epam-task | × | 1 |

TAGGING OPTIONS

Use tags to filter and organize your resources in the Lightsail console. Key-value tags can also be used to organize your billing, and to control access to your resources.
Learn more about tagging. ⎘

Key-only tags ⓘ

➕ Add key-only tags

Key-value tags ⓘ

➕ Add key-value tag

Create instance

WordPress-epam-task
512 MB RAM, 1 vCPU, 20 GB SSD

Running

18.156.77.51
2a05:d014:31f:7b00:aab2:f8f9:6c7c:b244
Frankfurt, Zone A

WordPress-epam-task – Terminal | Lightsail - Google Chrome

lightsail.aws.amazon.com/ls/remote/eu-central-1/instances/WordPress-epam-task/terminal?protocol=ssh

```
Linux ip-172-26-1-119 5.10.0-19-cloud-amd64 #1 SMP Debian 5.10.149-2 (2022-10-21) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.

         __ _ _
        | _ |_) |_ _ _  __ _ _ _ _  (_)
        | _ \ | _| ' \/ _` | ' \| |
        |__/_|\_|_|_|\_,_|_|_|_|_|

  *** Welcome to the WordPress packaged by Bitnami 6.1.1-13      ***
  *** Documentation:  https://docs.bitnami.com/aws/apps/wordpress/ ***
  ***                 https://docs.bitnami.com/aws/            ***
  *** Bitnami Forums: https://github.com/bitnami/vms/          ***
Last login: Tue Feb  7 18:21:49 2023 from 54.239.6.35
bitnami@ip-172-26-1-119:~$ cat $HOME/bitnami_application_password
0nVs0JSmoN19
bitnami@ip-172-26-1-119:~$ 
```


⚠ Не защищено | 18.156.77.51/wp-login.php

Username or Email Address

user

Password

•••••••••••

☐ Remember Me   Log In

Lost your password?

← Go to User's blog

PUBLIC IP

3.72.56.17

Detach ✕

🔗 StaticIp-1

Your instance is using a static IP as its public IPv4 address. A static IP doesn't change when you stop and start your instance.

PRIVATE IP

172.26.1.119

What is this for? ↗

sbekberov.pp.ua

DNS zone

Global, all zones

Domains   **Assignments**   **DNS records**

DNS records

Each record in a DNS zone defines how you want to route internet traffic for your domain. For example, you can add DNS records that route traffic to your Lightsail resources, another domain, or a mail server.
Learn more about editing DNS records ↗

+ Add record

A RECORDS

Record name	Route traffic to	
epam-task.sbekberov.pp.ua	3.72.56.17	✏️ 🗑️
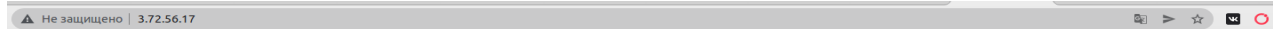
⚠ Не защищено | 3.72.56.17

User's blog   Sample Page

Mindblown: a blog about philosophy.

Hello world!

Welcome to WordPress. This is your first post.
Edit or delete it, then start writing!

February 7, 2023

но | epam-task.sbekberov.pp.ua

User's blog   Sample Page

Mindblown: a blog about philosophy.

Hello world!

Welcome to WordPress. This is your first post.
Edit or delete it, then start writing!

February 7, 2023

14. Review the 10-minute Store and Retrieve a File. Repeat, creating your own repository.

Buckets (3) Info
Buckets are containers for data stored in S3. Learn more ⤢

| | C | Copy ARN | Empty | Delete | **Create bucket** |

🔍 task ✕   1 match

< 1 > ⚙

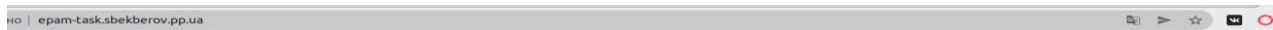|	Name	▽	AWS Region	▽	Access	▽	Creation date	▲
○	task14-selim-bekberov		EU (Ireland) eu-west-1		Bucket and objects not public		February 8, 2023, 21:41:06 (UTC+00:00)	

Amazon S3 > Buckets > task14-selim-bekberov > Upload

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more ⤢

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

Files and folders (1 Total, 6.7 KB)
All files and folders in this table will be uploaded.

| Remove | Add files | Add folder |

🔍 Find by name

< 1 >

	Name ▲	Folder ▽	Type ▽	Size ▽
☐	ManchesterUnited.jpeg	-	image/jpeg	6.7 KB

Destination

Destination
s3://task14-selim-bekberov

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

▶ **Permissions**
Grant public access and access to other AWS accounts.

▶ **Properties**
Specify storage class, encryption settings, tags, and more.

Cancel   **Upload**

Upload: status

Close

ⓘ The information below will no longer be available after you navigate away from this page.

Summary

Destination	Succeeded	Failed
s3://task14-selim-bekberov	✓ 1 file, 6.7 KB (100.00%)	⊖ 0 files, 0 B (0%)

Files and folders | Configuration

Files and folders (1 Total, 6.7 KB)

🔍 Find by name

< 1 >

Name ▲	Folder ▽	Type ▽	Size ▽	Status ▽	Error ▽
ManchesterUnited.jpeg	-	image/jpeg	6.7 KB	✓ Succeeded	-

---

task14-selim-bekberov Info

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory ⧉ to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more ⧉

🔄 | Copy S3 URI | Copy URL | Download | Open ⧉ | Delete | Actions ▼ | Create folder | Upload

🔍 Find objects by prefix

< 1 > ⚙

☐	Name ▲	Type ▽	Last modified ▽	Size ▽	Storage class ▽
☐	📄 ManchesterUnited.jpeg	jpeg	February 8, 2023, 21:43:15 (UTC+00:00)	6.7 KB	Standard

---

task14-selim-bekberov Info

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory ⧉ to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more ⧉

🔄 | Copy S3 URI | Copy URL | Download | Open ⧉ | Delete | Actions ▲ | Create folder | Upload

🔍 Find objects by prefix

Download as
Share with a presigned URL
Calculate total size
Copy
Move
Initiate restore
Query with S3 Select
Edit actions
   Rename object
   Edit storage class
   Edit server-side encryption
   Edit metadata
   Edit tags
   Make public using ACL

< 1 > ⚙

☑	Name ▲	Type ▽	Last m... ▽	Size ▽	Storage class ▽
☑	📄 ManchesterUnited.jpeg	jpeg	Februa...		6.7 KB	Standard

---

task14-selim-bekberov Info

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. Y...

🔄 | Copy S3 URI | Copy URL

🔍 Find objects by prefix

Отменить	Имя	ManchesterUnited (1).jpeg	🔍	Сохранить

< 🏠 bekberov | Загрузки >

	Имя	Размер	Тип	Изменён
🏠 Домашняя папка	🖼 ManchesterUnited.jpeg	6,8 кБ	Изображение	23:42
🎬 Видео	Telegram Desktop			Вчера
📄 Документы				
🎙 Загрузки				
🖼 Изображения				
🎵 Музыка				
📄 s.bekberov@g...				

*.jpeg ▽

< 1 > ⚙

☑	Name	Storage class
☑	📄 ManchesterUnited.jpeg	6.7 KB	Standard

task14-selim-bekberov Info

Objects   Properties   Permissions   Metrics   Management   Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory ↗ to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more ↗

| ↻ | Copy S3 URI | Copy URL | Download | Open ↗ | Delete | Actions ▼ | Create folder | Upload |

🔍 Find objects by prefix

       ‹ 1 › ⚙

☑	Name ▲	Type ▽	Last modified ▽	Size ▽	Storage class ▽
☑	📄 ManchesterUnited.jpeg	jpeg	February 8, 2023, 21:43:15 (UTC+00:00)	6.7 KB	Standard

---

Amazon S3 > Buckets > task14-selim-bekberov > Delete objects

Delete objects Info

⚠
- If a folder is selected for deletion, all objects in the folder will be deleted, and any new objects added while the delete action is in progress might also be deleted. If an object is selected for deletion, any new objects with the same name that are uploaded before the delete action is completed will also be deleted.
- Deleting the specified objects can't be undone.

Learn more ↗

Specified objects

🔍 Find objects by name

       ‹ 1 ›

Name ▲	Type ▽	Last modified ▽	Size ▽
📄 ManchesterUnited.jpeg	jpeg	February 8, 2023, 21:43:15 (UTC+00:00)	6.7 KB

Permanently delete objects?

To confirm deletion, type *permanently delete* in the text input field.

permanently delete

       Cancel   **Delete objects**

Buckets (3) Info

Buckets are containers for data stored in S3. Learn more ↗

| ↻ | Copy ARN | Empty | Delete | Create bucket |

🔍 t   ✕   1 match

       ‹ 1 › ⚙

	Name ▽	AWS Region ▽	Access ▽	Creation date ▲
⦿	task14-selim-bekberov	EU (Ireland) eu-west-1	Bucket and objects not public	February 8, 2023, 21:41:06 (UTC+00:00)

Delete bucket Info

⚠ • Deleting a bucket cannot be undone.
  • Bucket names are unique. If you delete a bucket, another AWS user can use the name.

Learn more ☒

Delete bucket "task14-selim-bekberov"?

To confirm deletion, enter the name of the bucket in the text input field.

task14-selim-bekberov

Cancel   **Delete bucket**

15. Review the 10-minute example Batch upload files to the cloud to Amazon S3 using the AWS CLI. Create a user AWS IAM, configure CLI AWS and upload any files to S3.

aws   ⠿ Services   🔍 IAM   ✕

Search results for 'IAM'

Services (8)   **Services**   See all 8 results ▶

Features (19)   ⊞ IAM ☆
Resources New   Manage access to AWS resources
Blogs (1,495)   **Top features**
Documentation (118,621)   Groups   Users   Roles   Policies   Access Analyzer
Knowledge Articles (30)

IAM > Users

Users (0) Info   ⟳   Delete   **Add users**
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

🔍 Find users by username or access key   < 1 >   ⚙

	User name	▽	Groups	Last activity	MFA	Password age	Active key age

No resources to display

Specify user details

User details

User name

sbekberov

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☐ Enable console access - *optional*
   Enables a password that allows users to sign in to the AWS Management Console.

ⓘ For programmatic access, you can generate access keys after you create the user. Learn more ☒

Cancel   **Next**

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more [↗]

Permissions options

○ **Add user to group**
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

○ **Copy permissions**
Copy all group memberships, attached managed policies, and inline policies from an existing user.

● **Attach policies directly**
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1/1039)

Choose one or more policies to attach to your new user.

[Refresh] [Create policy ↗]

[🔍 Filter distributions by text, property or value]

< 1 2 3 4 5 6 7 ... 52 > ⚙

		Policy name [↗] ▲	Type ▽	Attached entities ▽
☐	⊞	🟧 AccessAnalyzerServiceRolePolicy	AWS managed	0
☑	⊞	🟧 AdministratorAccess	AWS managed - job function	1

Review and create

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

User details

User name	Console password type	Require password reset
sbekberov	None	No

Permissions summary

< 1 >

Name [↗] ▽	Type ▽	Used as ▽
AdministratorAccess	AWS managed - job function	Permissions policy

Tags - *optional*

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

[Add new tag]

You can add up to 50 more tags.

[Cancel] [Previous] [Create user]

Access key best practices & alternatives

Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.

- ⦿ **Command Line Interface (CLI)**
  You plan to use this access key to enable the AWS CLI to access your AWS account.

- ○ **Local code**
  You plan to use this access key to enable application code in a local development environment to access your AWS account.

- ○ **Application running on an AWS compute service**
  You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.

- ○ **Third-party service**
  You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.

- ○ **Application running outside AWS**
  You plan to use this access key to enable an application running on an on-premises host, or to use a local AWS client or third-party AWS plugin.

- ○ **Other**
  Your use case is not listed here.

⚠️ **Alternatives recommended**
- Use AWS CloudShell, a browser-based CLI, to run commands. Learn more ☑
- Use the AWS CLI V2 and enable authentication through a user in IAM Identity Center. Learn more ☑

☑ I understand the above recommendation and want to proceed to create an access key.

Cancel   **Next**

```
→  ~ aws configure
AWS Access Key ID [None]: AKIAVKU2XGXPOUQJFOSA
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
→  ~ aws s3 mb s3://bucket-from-cli-sbekberov
make_bucket: bucket-from-cli-sbekberov
→  ~ aws s3 cp /home/bekberov/ManchesterUnited.jpeg s3://bucket-from-cli-sbekberov

upload: ./ManchesterUnited.jpeg to s3://bucket-from-cli-sbekberov/ManchesterUnited.jpeg
→  ~ aws s3 cp /home/bekberov/Manchester.jpeg s3://bucket-from-cli-sbekberov

upload: ./Manchester.jpeg to s3://bucket-from-cli-sbekberov/Manchester.jpeg
→  ~ aws s3 cp s3://bucket-from-cli-sbekberov/Manchester.jpeg ./
download: s3://bucket-from-cli-sbekberov/Manchester.jpeg to ./Manchester.jpeg
→  ~ aws s3 rm s3://bucket-from-cli-sbekberov/Manchester.jpeg
delete: s3://bucket-from-cli-sbekberov/Manchester.jpeg
→  ~
```

Amazon S3 > Buckets > bucket-from-cli-sbekberov

bucket-from-cli-sbekberov Info

Objects	Properties	Permissions	Metrics	Management	Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory ☑ to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more ☑

🔄 Copy S3 URI   Copy URL   Download   Open ☑   Delete   Actions ▼   Create folder   **Upload**

🔍 Find objects by prefix

< 1 > ⚙️

	Name	▲	Type	▽	Last modified	▽	Size	▽	Storage class	▽
☐	📄 ManchesterUnited.jpeg		jpeg		February 9, 2023, 09:03:22 (UTC+00:00)		6.7 KB		Standard	

16. Review the 10-minute example Deploy Docker Containers on Amazon Elastic Container Service (Amazon ECS). Repeat, create a cluster, and run the online demo application or better other application with custom settings.

```
→    Рабочий стол touch Dockerfile
→    Рабочий стол vim Dockerfile
```

```
FROM ubuntu:18.04

# Install dependencies
RUN apt-get update && \
 apt-get -y install apache2

# Install apache and write hello world message
RUN echo 'Hello World!' > /var/www/html/index.html

# Configure apache
RUN echo '. /etc/apache2/envvars' > /root/run_apache.sh && \
 echo 'mkdir -p /var/run/apache2' >> /root/run_apache.sh && \
 echo 'mkdir -p /var/lock/apache2' >> /root/run_apache.sh && \
 echo '/usr/sbin/apache2 -D FOREGROUND' >> /root/run_apache.sh && \
 chmod 755 /root/run_apache.sh

EXPOSE 80

CMD /root/run_apache.sh
~
```

```
→    Рабочий стол vim Dockerfile
→    Рабочий стол docker build -t hello-world .
Sending build context to Docker daemon   254.2MB
```

```
→    Рабочий стол docker images --filter reference=hello-world
REPOSITORY      TAG         IMAGE ID        CREATED         SIZE
hello-world     latest      9f42a9e878ab    20 seconds ago  204MB
→    Рабочий стол
```

Amazon ECR > Repositories

Private   Public

Private repositories (1)   [C] [View push commands] [Delete] [Actions ▼] [Create repository]

🔍 Find repositories   ‹ 1 › ⚙

☐	Repository name ▲	URI	Created at ▽	Tag immutability	Scan frequency	Encryption type	Pull through cache
☐	sbekberov-ecr	📋 366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr	09 февраля 2023 г., 09:16:24 (UTC-00)	Disabled	Manual	AES-256	Inactive

```
→  ~ aws ecr create-repository --repository-name sbekberov-ecr --region us-east-1
{
    "repository": {
        "repositoryArn": "arn:aws:ecr:us-east-1:366470444510:repository/sbekberov-ecr",
        "registryId": "366470444510",
        "repositoryName": "sbekberov-ecr",
        "repositoryUri": "366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr",
        "createdAt": 1675934184.0,
        "imageTagMutability": "MUTABLE",
        "imageScanningConfiguration": {
            "scanOnPush": false
        },
        "encryptionConfiguration": {
            "encryptionType": "AES256"
        }
    }
}
→  ~ docker tag hello-world 366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ect
→  ~ docker login -u AWS -p $(aws ecr get-login-password --region us-east-1) 366470444510.dkr.ecr.us-east-1.amazonaws.com
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /home/bekberov/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
→  ~ docker push 366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr
Using default tag: latest
The push refers to repository [366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr]
An image does not exist locally with the tag: 366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr
→  ~ docker push 366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr
Using default tag: latest
The push refers to repository [366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr]
cff10d6f91dd: Pushed
0597229049d8: Pushed
606df939fb5a: Pushed
475a54c2a93d: Pushed
latest: digest: sha256:75d0cea885d7c9f9a056f070412bd9f0c8ebc7e5e7c2db127227f5ab806d1c50 size: 1155
→  ~
```

```
→  ~ aws ecr delete-repository --repository-name sbekberov-ecr --region us-east-1 --force
{
    "repository": {
        "repositoryArn": "arn:aws:ecr:us-east-1:366470444510:repository/sbekberov-ecr",
        "registryId": "366470444510",
        "repositoryName": "sbekberov-ecr",
        "repositoryUri": "366470444510.dkr.ecr.us-east-1.amazonaws.com/sbekberov-ecr",
        "createdAt": 1675934184.0,
        "imageTagMutability": "MUTABLE"
    }
}
→  ~
```

Amazon ECR > Repositories

| Private | Public |

Private repositories

View push commands   Delete   Actions ▼   Create repository

🔍 Find repositories

< 1 >

	Repository name ▲	URI	Created at ▽	Tag immutability	Scan frequency	Encryption type	Pull through cache

No repositories
No repositories were found

17. Run a Serverless "Hello, World!" with AWS Lambda.

Compute

AWS Lambda
lets you run code without thinking about servers.

You pay only for the compute time that you consume — there is no charge when your code is not running. With Lambda, you can run code for virtually any type of application or backend service, all with zero administration.

Get started

Author a Lambda function from scratch, or choose from one of many preconfigured examples.

Create a function

Author from scratch ○	Use a blueprint ◉	Container image ○
Start with a simple Hello World example.	Build a Lambda application from sample code and configuration presets for common use cases.	Select a container image to deploy for your function.

Basic information Info

Select blueprint

Hello world function	python3.7 ▼
A starter AWS Lambda function.	

Function name
Enter a name that describes the purpose of your function.

`sbekberov-lambda-task`

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime
python3.7

Architecture
x86_64

Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console ⧉

◉ Create a new role with basic Lambda permissions
○ Use an existing role
○ Create a new role from AWS policy templates

ⓘ Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions policies in this role.

⊘ Successfully created the function **sbekberov-lambda-task**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

sbekberov-lambda-task

Throttle | Copy ARN | Actions ▼

▼ **Function overview** Info

sbekberov-lambda-task	Description
Layers (0)	A starter AWS Lambda function.

+ Add trigger   + Add destination

Description
A starter AWS Lambda function.

Last modified
4 minutes ago

Function ARN
arn:aws:lambda:us-east-1:366470444510:function:sbekberov-lambda-task

Function URL Info
-

Code | Test | Monitor | Configuration | Aliases | Versions

Code source Info

Upload from ▼

File Edit Find View Go Tools Window   Test ▼   Deploy

Go to Anything (Ctrl-P)   lambda_function × +

▼ sbekberov-lambda-   1 import json
    lambda_function.py   2
                             3 print('Loading function')
                             4
                             5
                             6 def lambda_handler(event, context):

Test event Info

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

- ⦿ Create new event
- ○ Edit saved event

Event name

Hello-World

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

- ⦿ Private

  This event is only available in the Lambda console and to the event creator. You can configure a total of 10. Learn more 🔗

- ○ Shareable

  This event is available to IAM users within the same account who have permissions to access and use shareable events. Learn more 🔗

Template - optional

hello-world ▼

[Save] [Test]

⊘ **Execution result: succeeded** (logs)   ✕

▼ Details

The area below shows the last 4 KB of the execution log.

"value1"

Summary

Code SHA-256	**Request ID**
f1n0wYlH0zbfjP/lNjgrDGDIbLr/mDAHcbFePOZvpsk=	401491c8-bcec-4ac2-ba6b-83414a40ae92
Duration	**Billed duration**
1.47 ms	2 ms
Resources configured	**Max memory used**
128 MB	37 MB

Log output

The section below shows the logging calls in your code. Click here to view the corresponding CloudWatch log group.

```
START RequestId: 401491c8-bcec-4ac2-ba6b-83414a40ae92 Version: $LATEST
value1 = value1
value2 = value2
value3 = value3
END RequestId: 401491c8-bcec-4ac2-ba6b-83414a40ae92
REPORT RequestId: 401491c8-bcec-4ac2-ba6b-83414a40ae92  Duration: 1.47 ms Billed Duration: 2 ms  Memory Size: 128 MB  Max Memory Used: 37 MB
```
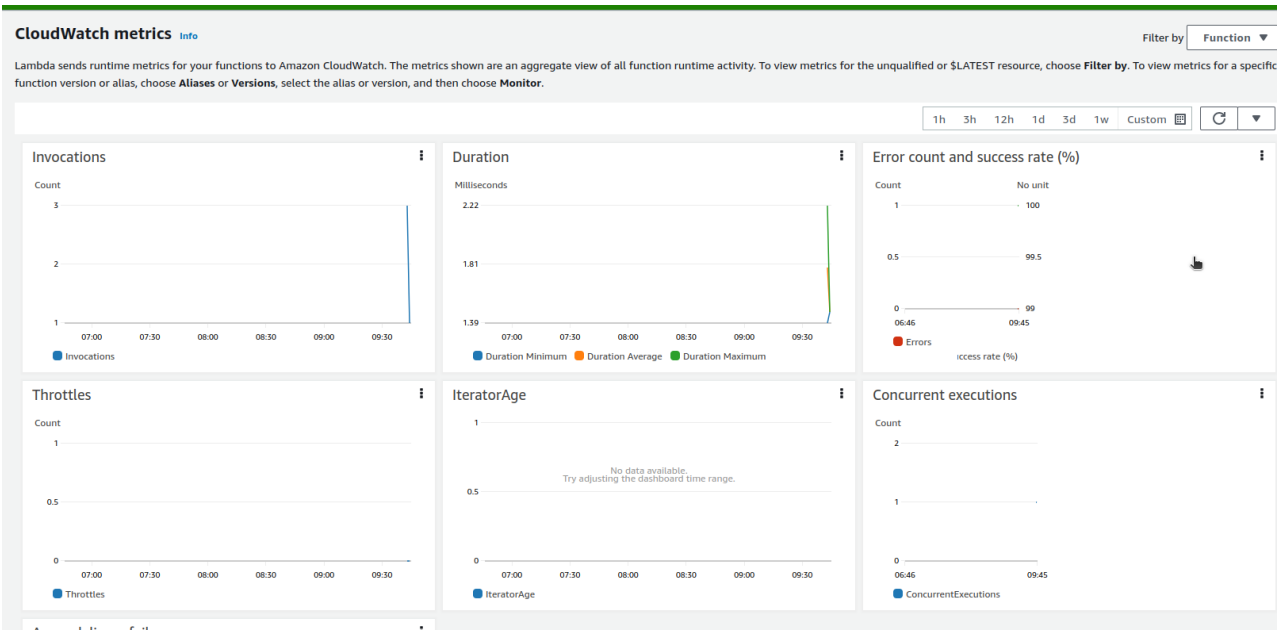

Test event Info   [Delete] [Save] [Test]

CloudWatch metrics Info   Filter by Function ▼

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or $LATEST resource, choose **Filter by**. To view metrics for a specific function version or alias, choose **Aliases** or **Versions**, select the alias or version, and then choose **Monitor**.

[1h 3h 12h 1d 3d 1w Custom 📅] ↻ ▼

Invocations
Count

Duration
Milliseconds

Error count and success rate (%)
Count   No unit

● Invocations

● Duration Minimum ● Duration Average ● Duration Maximum

● Errors   uccess rate (%)

Throttles
Count

IteratorAge
Count

No data available.
Try adjusting the dashboard time range.

Concurrent executions
Count

● Throttles

● IteratorAge

● ConcurrentExecutions

Lambda > Functions

Functions (1/1)   Last fetched 2 seconds ago ↻ [Actions ▲] [Create function]

🔍 Filter by tags and attributes or search by keyword   View details   ‹ 1 › ⚙

☑	Function name ▽	Description ▽	Package type ▽	Runtime ▽	Test	▽
☑	sbekberov-lambda-task	A starter AWS Lambda function.	Zip	Python 3.7	Delete 12 minutes ago	

18. Create a static website on Amazon S3, publicly available (link1 or link2 - using a custom domain registered with Route 53). Post on the page your own photo, the name of the educational program (EPAM Cloud&DevOps Fundamentals Autumn 2022), the list of AWS services with which the student worked within the educational program or earlier and the full list with links of completed labs (based on tutorials or qwiklabs). Provide the link to the website in your report and CV.

sbekberov.pp.ua

Amazon S3 > Buckets

▶ **Account snapshot**

Storage lens provides visibility into storage usage and activity trends. Learn more

View Storage Lens dashboard

Buckets (2) Info

Buckets are containers for data stored in S3. Learn more

Copy ARN Empty Delete **Create bucket**

	Name	AWS Region	Access	Creation date
○	www.sbekberov.pp.ua	EU (Ireland) eu-west-1	⚠ Public	February 8, 2023, 12:58:15 (UTC+00:00)
○	sbekberov.pp.ua	EU (Ireland) eu-west-1	⚠ Public	February 8, 2023, 12:58:33 (UTC+00:00)

nic.ua   Domains Hosting Protection More ∨   🛒   Contact us   Selim Bekberov ∨

- 🔲 Dashboard
- 🏠 Domains
- ⊕ Name Servers
- ☁ Hosting
- ☁ Cloud
- 🔒 SSL-certificates

Domains   Register domain   Transfer domain

	Domain ↕	NS ↕	Expiry date ↕	Order ↕	AR ⓘ ↕	
☐	● **sbekberov.pp.ua**	Custom NS (6)	08 Feb 2024	2251128	⚪	Renew ⚙

Renew Change NS

Route 53 > Hosted zones > sbekberov.pp.ua

Public **sbekberov.pp.ua** Info

Delete zone Test record Configure query logging

▶ **Hosted zone details**

Edit hosted zone

Records (4)   DNSSEC signing   Hosted zone tags (0)

Records (4) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

↻ Delete record Import zone file **Create record**

	Record name ▽	Type ▽	Routin... ▽	Differ... ▽	Value/Route traffic to ▽	TTL (seconds)
☐	sbekberov.pp.ua	A	Simple	-	s3-website-eu-west-1.amazo...	-
☐	sbekberov.pp.ua	NS	Simple	-	ns-1881.awsdns-43.co.uk. ns-856.awsdns-43.net. ns-174.awsdns-21.com. ns-1404.awsdns-47.org.	172800
☐	sbekberov.pp.ua	SOA	Simple	-	ns-1881.awsdns-43.co.uk. a...	900
☐	www.sbekberov.pp.ua	A	Simple	-	s3-website-eu-west-1.amazo...	-

⚠ Не защищено | sbekberov.pp.ua

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SELIM BEKBEROV
Software Engineer

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R É S U M É

Looking for opportunity Software Engineer. I'm easy going and take responsibility for my work and keep always upgrading my skills with top technologies. I am ambitious, energetic , hard-working, easy-going, organized and quick learning student.

EDUCATION

NOW

1ˢᵗ September 2019 – present

Student of **Kyiv Polytechnic Institute**

- Mathematical Analysis
- Operation Systems
- WEB development
- Data structure and algorithms
- Database Developing (SQL, PostgreSQL, MySQL, MongoDB)
- Mathematical Analysis
- Study software engineering

TRAINEE PROGRAMS

11/2021-05/2022

SKILLS

- Java
- Spring
- Spring Boot
- Git
- Docker
- Database Administration
- SQL/PostgreSQL
- Flyway/Liquibase
- Gitlab CI/CD
- Linux
- Networking
- AWS
- Terraform
- Jenkins
- Ansible
- Bash
- Gradle