

# AWS Cloud Basic

Tsykalenko Dmytro

2. Register with AWS (first priority) or alternatively, you can request access to courses in AWS Academy if you are currently a student of certain University.

The screenshot displays the AWS Billing Management Console in a web browser. The browser's address bar shows the URL: `us-east-1.console.aws.amazon.com/billing/home?region=us-east-1&skipRegion=true#/account`. The console's top navigation bar includes the AWS logo, a 'Services' menu, a search bar, and a list of AWS services such as EC2, IAM, S3, VPC, Route 53, Lambda, Elastic Container Service, Simple Notification Service, Certificate Manager, CloudTrail, Elastic Beanstalk, RDS, Systems Manager, and Resource Groups & Tagging. On the left side of the console, a sidebar menu lists various billing-related options: Home, Billing, Bills, Payments, Credits, Purchase orders, Cost & usage reports, Cost categories, Cost allocation tags, Free tier, Billing Conductor, Cost Management, Cost explorer, Budgets, and Budgets reports. The main content area is divided into two sections. The first section, 'Account Settings', features an 'Edit' link and displays the following information: Account Id: 648494430292, Seller: Amazon Web Services EMEA SARL, Account Name: flawwwless, and Password: \*\*\*\*\*. The second section, 'Contact Information', also has an 'Edit' link and includes a note about updating contact information for PDF invoices. Below the note, the following details are listed: Full Name: Tsykalenko Dmytro, Address: (blank), City: (blank), State: (blank), Postal Code: (blank), Country: (blank), Phone Number: (blank), Company Name: (blank), and Website URL: (blank).

Home

Billing

Bills

Payments

Credits

Purchase orders

Cost & usage reports

Cost categories

Cost allocation tags

Free tier

Billing Conductor

Cost Management

Cost explorer

Budgets

Budgets reports

## Account Settings

[Edit](#)

**Account Id:** 648494430292  
**Seller:** Amazon Web Services EMEA SARL  
**Account Name:** flawwwless  
**Password:** \*\*\*\*\*

## Contact Information

[Edit](#)

Please note that updating your contact information on this page will not update the information displayed on your PDF Invoices. If you wish to update the billing address information associated with your Invoice, please edit it through the Payment Methods page, located [here](#).

**Full Name:** Tsykalenko Dmytro  
**Address:**  
**City:**  
**State:**  
**Postal Code:**  
**Country:**  
**Phone Number:**  
**Company Name:**  
**Website URL:**

Register and pass free courses on AWS Skillbuilder. AWS Cloud Practitioner Essentials: Core Services, AWS Cloud Practitioner Essentials: Cloud Concepts. Try AWS Cloud Quest: Cloud Practitioner



## My courses

View your in-progress and completed courses. If you're looking for instructor-led classroom training, go to [AWS.Training](#).

 FILTERS

Search...



NEWEST TO OLDEST (ENROLLMENT) ▾




Completed

### Getting Started with AWS CloudFormation

EN | 20m 00s

★ 5.0

 Digital training



Completed

### AWS Technical Essentials

EN | 4h 00m

★ 5.0

 Digital training



## 7. Log Into Your AWS Account, Launch, Configure, Connect and Terminate Your Instance.

Instances (1) <a href="#">Info</a>									
<input type="text" value="Find instance by attribute or tag (case-sensitive)"/>									
<div><span>Refresh</span> <span>Connect</span> <span>Instance state ▼</span> <span>Actions ▼</span> <span>Launch instances</span> <span>▼</span></div>									
<div>&lt; 1 &gt; <span>⚙️</span></div>									
<input type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability Zone ▼	Public IPv4 DNS	
<input type="checkbox"/>	Test-Server	i-Odded467bb79d6c01	<span>Running</span> <span>🔍</span>	t2.micro	<span>Initializing</span>	No alarms +	eu-west-2a	ec2-18-130-189-	

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

Snapshots (1)							
<div><span>Owned by me ▼</span> <input type="text" value="Search"/></div>							
<div><span>Refresh</span> <span>Recycle Bin</span> <span>Actions ▼</span> <span>Create snapshot</span></div>							
<div>&lt; 1 &gt; <span>⚙️</span></div>							
<input type="checkbox"/>	Name ▼	Snapshot ID ▼	Size ▼	Description ▼	Storage... ▼	Snapshot status ▼	Started ▼
<input type="checkbox"/>	Backup	snap-06d1a4a5080593a6f	10 GiB	Backup-of-Test-Instance	Standard	<span>Completed</span>	2022/11/14 20:22 GMT+2

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

Volumes (1/2)

Search

Actions

Create volume

< 1 >

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-09eddfc0efcf7e8f3	gp2	10 GiB	100	-	snap-069ad28...	2022/11/14 20:20 GMT+2
<input checked="" type="checkbox"/>	Disk_D	vol-09ccde0fa73221adb	gp2	5 GiB	100	-	-	2022/11/14 20:25 GMT+2

Volume ID: vol-09ccde0fa73221adb (Disk\_D)

Details

Status checks

Monitoring

Tags

Details

Volume ID

vol-09ccde0fa73221adb (Disk\_D)

Volume state

In-use

KMS key ID

-

Availability Zone

eu-west-2a

Size

5 GiB

IOPS

100

KMS key alias

-

Created

Mon Nov 14 2022 20:25:17 GMT+0200

Type

gp2

Throughput

-

KMS key ARN

-

Multi-Attach enabled

No

Volume status

Okay

Encryption

Not encrypted

Snapshot

-

Attached Instances

[i-0dded467bb79d6c01 \(Test-Server\)](#):

## 10. Launch the second instance from backup

**Instances (1/2)** [Info](#) ↻ Connect Instance state ▼ Actions ▼ Launch instances ▼

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	Test-Server	i-0dded467bb79d6c01	Running	t2.micro	2/2 checks passed	No alarms +	eu-west-2a	ec2-18-13...
<input checked="" type="checkbox"/>	Server-From-Snapshot	i-02453eaefcf7c6a13	Running	t2.micro	Initializing	No alarms +	eu-west-2a	ec2-35-13...

## 11. Detach Disk\_D from the 1st instance and attach disk\_D to the new instance.


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

	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-09eddf0efcf7e8f3	gp2	10 GiB	100	-	snap-069ad28...	2022/11/14 20:20 GMT+2
<input checked="" type="checkbox"/>	Disk_D	vol-09ccde0fa73221adb	gp2	5 GiB	100	-	-	2022/11/14 20:25 GMT+2
<input type="checkbox"/>	-	vol-072f647511865f01e	gp2	10 GiB	100	-	snap-06d1a4a...	2022/11/14 20:29 GMT+2

-	-	-	-
Availability Zone eu-west-2a	Created Mon Nov 14 2022 20:25:17 GMT+0200 (Восточная Европа, стандартное время)	Multi-Attach enabled No	Attached Instances i-02453eaefcf7c6a13 (Server-From-Snapshot): /dev/xvdf (attaching)
Outposts ARN -			

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.


**Records (3)** [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


 *Filter records by property or value*

Type ▼

Routing policy ▼

Alias ▼

< 1 >



<input type="checkbox"/>	Record name ▼	Type ▼	Routin... ▼	Differ... ▼	Value/Route traffic to ▼
<input type="checkbox"/>	devdimaops.tech	NS	Simple	-	ns-1466.awsdns-55.org. ns-396.awsdns-49.com. ns-1545.awsdns-01.co.uk. ns-746.awsdns-29.net.
<input type="checkbox"/>	devdimaops.tech	SOA	Simple	-	ns-1466.awsdns-55.org. awsdns-hostmaster.amazon.com. 1 720...
<input type="checkbox"/>	latte-cafe.devdimaops.tech	A	Simple	-	3.76.18.108

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

Successfully created folder "dir1".  
Operation successfully completed.

Amazon S3 > Buckets > my.test.bucket.hometask

my.test.bucket.hometask [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

**Objects (3)**

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](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	<a href="#">dir1/</a>	Folder	-	-	-
<input type="checkbox"/>	<a href="#">mysqldump.sql</a>	sql	November 14, 2022, 20:52:17 (UTC+02:00)	2.8 KB	Standard
<input type="checkbox"/>	<a href="#">Recovery.txt</a>	txt	November 14, 2022, 20:52:17 (UTC+02:00)	0 B	Standard

[Feedback](#) Looking for language selection? Find it in the new [Unified Settings](#)

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## 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

**Users (2)** [Info](#)

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

[Refresh](#) [Delete](#) [Add users](#)

[Previous](#) **1** [Next](#) [Settings](#)

<input type="checkbox"/>	User name	Groups	Last activity	MFA	Password age	Active key age
<input type="checkbox"/>	admin_user	None	Never	None	None	✔ 1 minute ago

```
ubuntu@ip-172-31-43-0:~$ aws s3 cp "/home/ubuntu/test1.txt" s3://my.test.bucket.hometask /
upload: ./test1.txt to s3://my.test.bucket.hometask/test1.txt
ubuntu@ip-172-31-43-0:~$ aws s3 cp "/home/ubuntu/test2.txt" s3://my.test.bucket.hometask /
upload: ./test2.txt to s3://my.test.bucket.hometask/test2.txt
```

**Objects (5)**

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](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

[Previous](#) **1** [Next](#) [Settings](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	dir1/	Folder	-	-	-
<input type="checkbox"/>	mysqldump.sql	sql	November 14, 2022, 20:52:17 (UTC+02:00)	2.8 KB	Standard
<input type="checkbox"/>	Recovery.txt	txt	November 14, 2022, 20:52:17 (UTC+02:00)	0 B	Standard
<input type="checkbox"/>	test1.txt	txt	November 14, 2022, 21:02:35 (UTC+02:00)	28.0 B	Standard
<input type="checkbox"/>	test2.txt	txt	November 14, 2022, 21:02:42 (UTC+02:00)	28.0 B	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.

← → ↺

⚠ Не защищено | 54.93.117.96

🔗 ☆ ⚙ □ 👤 ⋮


Cloud&DevOps Fundamentals Autumn 2022 AWS Cloud Basic

Private repositories (1)

↻ View push commands Delete Actions ▾ Create repository

🔍 Find repositories

< 1 > ⚙

	Repository name ▲	URI	Created at ▼	Tag immutability	Scan frequency	Encryption type	Pull through cache
<input type="radio"/>	first-repo	 648494430292.dkr.ecr.eu-central-1.amazonaws.com/first-repo	14 ноября 2022 г., 21:22:50 (UTC+02)	Disabled	Manual	AES-256	Inactive

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.

Images (1)								Delete	Scan
<input type="text" value="Find images"/>							< 1 >		
<input type="checkbox"/>	Image tag ▼	Artifact type	Pushed at ▼	Size (MB) ▼	Image URI	Digest	Scan status	Vulnerabilities	
<input type="checkbox"/>	latest	Image	14 ноября 2022 г., 21:28:04 (UTC+02)	88.33	Copy URI	sha256:8e8ab1c955fa6ed...	-	-	

```
30 aws ecr create-repository --repository-name first-repo --region eu-central-1
31 docker images
32 docker tag hello-world 648494430292.dkr.ecr.eu-central-1.amazonaws.com/first-repo
33 docker login -u AWS -p $(aws ecr get-login-password --region eu-central-1) 648494
430292.dkr.ecr.eu-central-1.amazonaws.com
34 docker push 648494430292.dkr.ecr.eu-central-1.amazonaws.com/first-repo
35 aws ecr delete-repository --repository-name first-repo --region eu-central-1 --fo
rce
```