

Accessing & Using AWS

How to use your account

- ▶ Different Ways of Accessing & Using AWS Services
- ▶ Service Pricing & Cost Management
- ▶ Getting Help

AWS Can Cost You Money!



AWS is a for-profit business



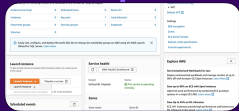
They charge you money
for using their services

But: Many services can be used for free within
the first 12 months after creating an account
(**"AWS Free Tier"**)

More details will follow in later lectures!

Different Ways of Accessing AWS

everything is an API call!



```
ec2 run-instance
```

```
var ec2 = new AWS.EC2();
ec2.applySecurityGroupsTo
if (err) console.log(err)
else console.log(data)
});
```

```
https://ec2.amazonaws.com
&InstanceId=i-12345
&AUTHPARAMS
```

Management Console

Easy to access & navigate

No setup needed

Perfect for exploring services & features

Complex, repeated or large-scale setups can become cumbersome

AWS CLI

Command-driven access

Prior installation & configuration needed

Perfect for executing well-known tasks

Can simplify complex, repeated or large-scale setups

SDKs

Programmatic access

Infrastructure as code

Perfect for automating tasks

Can simplify setups & allows for building (automated) tools

API Calls

Use services via HTTP requests

Request configuration can be challenging

Typically, you'd go for one of the other solutions

AWS Pricing & Cost Management

AWS offers a variety of pricing & payment models
(depending on the actual service used)

In Advance

Pay for reserved capacity or min. usage

Discounted price

Only offered for some services or service features

On Demand

Most common pricing model

Only pay for the resources used

Which resources & factors are charged depends on the actual services used

Subscription

Pay a flat monthly / yearly fee

Not related to usage

Not very common, but offered for some services / service features

AWS Pricing & Cost Management

Check the pricing pages & information of the specific service(s) you plan to use

Keep an eye on your monthly invoice (it's updated daily!)



Use advanced cost control features

Budgets

Alarms

Cost Explorer

AWS Support & Status



AWS Support



AWS offers different support levels



Service Health Dashboard



General AWS services health & personal health dashboard



Service Documentation



Learn more about service usage & configuration with help of AWS' official online documentation

Summary



AWS Account Access

Management Console (Web UI)

AWS CLI

AWS SDKs



Support & Help

Different (paid) support levels

Health dashboards

Service documentation pages



Pricing & Cost Management

Check pricing on service documentation pages

Free tier for many services (within first 12 months)

Cost explorer & billing dashboard

Use budgets & alarms