

ELASTIC BEANSTALK

Friday, 13 August 2021 22.39

AWS Elastik Beanstalk, Amazon Web Services tarafından EC2, S3, Basit Bildirim Hizmeti, CloudWatch, otomatik ölçeklendirme ve Elastik Yük Dengeleyiciler de dahil olmak üzere çeşitli AWS hizmetlerini düzenleyen uygulamaları dağıtmak için sunulan bir düzenleme hizmetidir.

From <<https://www.google.com/search?q=amazon+elastic+beanstalk&oq=amazon+elastic+be&ags=chrome.0.0i512j69i57j0i22i30i5j69i61.8873j0i7&sourceid=chrome&ie=UTF-8>>



AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&forceview=1>>

We may say AWS Elastic Beanstalk is an orchestration service offered by Amazon Web Services used to set up your application architecture.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&forceview=1>>

AWS Elastic Beanstalk makes it even easier for developers to quickly deploy and manage applications in the AWS Cloud

TURKISH

AWS Elastic Beanstalk, geliştiricilerin AWS Cloud'daki uygulamaları hızla dağıtmasını ve yönetmesini daha da kolaylaştırıyor

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&forceview=1>>

Developers simply upload their application, and Elastic Beanstalk automatically handles the deployment details of capacity provisioning, load balancing, auto-scaling, and application health monitoring.

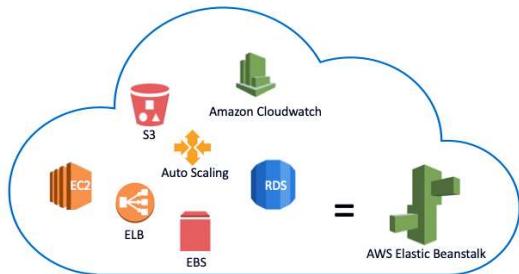
TURKISH

Geliştiricilerin uygulamalarını yüklemeleri yeterlidir ve Elastic Beanstalk kapasite sağlama, yük dengeleme, otomatik ölçeklendirme ve uygulama durumu izlemenin dağıtım ayrıntılarını otomatik olarak halledecek.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&forceview=1>>

Why AWS Elastic Beanstalk?

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4660>>



Before and After AWS Elastic Beanstalk

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4660&startlastseen=yes>>

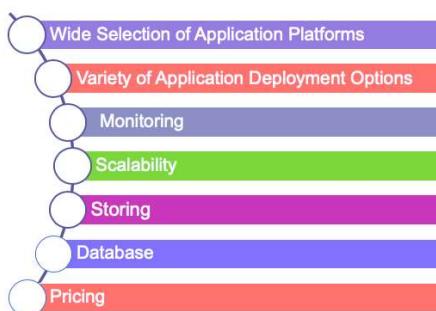
Thanks to the AWS Elastic Beanstalk, you can create your custom application architecture. In this environment, you can locate a number of EC2 instances, S3, Simple Notification Service (SNS), CloudWatch, Autoscaling, Elastic Load Balancers, and Databases. Then you can deploy and manage your applications within minutes in the AWS Cloud. It manages these items for you and also provides you to update your software running on it.

But if you don't want to use AWS Elastic Beanstalk you need to create and manage the same system which AWS Elastic Beanstalk handles in harmony.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4660&startlastseen=yes>>

Features of AWS Elastic Beanstalk

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>



- Application Platforms:**

Elastic Beanstalk offers a wide selection of application platforms. AWS Elastic Beanstalk allows software applications written in a variety of common languages and frameworks such as Java,.NET, Node.js, PHP, Mysql, Python, Go, and Docker to build the web application.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

Application Deployment Options: AWS Elastic Beanstalk allows you to deploy your code through the AWS Management Console, Elastic Beanstalk Command Line Interface, Visual Studio, and Eclipse.

TURKISH

Uygulama Dağıtım Seçenekleri: AWS Elastic Beanstalk, kodunuzu AWS Management Console, Elastic Beanstalk Komut Satırı Arayüzü, Visual Studio

ve Eclipse aracılığıyla dağıtmansaına olanak tanır.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

Monitoring: AWS Elastic Beanstalk provides a useful user interface for tracking and controlling the performance of the applications. Elastic Beanstalk gathers more than 40 main metrics and characteristics to assess the quality of the application.

TURKISH

İzleme: AWS Elastic Beanstalk, uygulamaların performansını izlemek ve kontrol etmek için kullanışlı bir kullanıcı arabirimini sağlar. Elastic Beanstalk, uygulamanın kalitesini değerlendirmek için 40'tan fazla ana ölçüm ve özellik toplar.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

It is also integrated with Amazon CloudWatch and AWS X-Ray. You can leverage the monitoring dashboard to view key performance metrics such as latency,

TURKISH

Ayrıca Amazon CloudWatch ve AWS X-Ray ile entegredir. Gecikme gibi temel performans ölçümlerini görüntülemek için izleme panosundan yararlanabilirsiniz.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

- Management and Updates:**

You can choose to have AWS Elastic Beanstalk automatically update to the latest version of your Elastic Beanstalk environment using Managed Platform Updates

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

- Scaling:**

AWS Elastic Beanstalk uses Elastic Load Balancing and Auto-Scaling to dynamically scale the device in and out depending on the particular needs of your device. In addition, thanks to the multiple availability zones option, you can run your applications in more than one zone

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

- Storing:**

AWS Elastic Beanstalk stores your application files and, optionally, server log files in Amazon S3. Optionally, you may configure Elastic Beanstalk to copy your server log files every hour to Amazon S3.

If you delete the Elastic Beanstalk so delete files and log in the S3 as well. Because deleting Elastic Beanstalk doesn't ensure to delete the S3 bucket associated with Elastic Beanstalk automatically. (Elastic Beanstalk'ın silinmesi, Elastic Beanstalk ile ilişkili S3 kovasının otomatik olarak silinmesini sağlamaz.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

)

- Database:**

AWS Elastic Beanstalk does not restrict you to any specific data persistence technology. You can choose to use Amazon Relational Database Service (Amazon RDS) or Amazon DynamoDB, or use

Microsoft SQL Server, Oracle, or other relational databases running on Amazon EC2.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

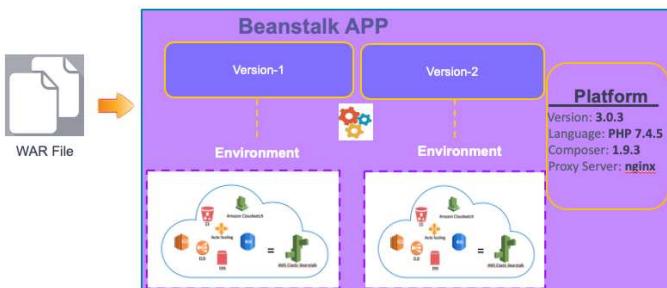
- **Pricing:**

AWS Elastic Beanstalk service is free to use. There is no additional charge for AWS Elastic Beanstalk—**you pay only for the AWS resources actually used to store and run your application.**

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=4661>>

Components of AWS Elastic Beanstalk

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>



Application: In Elastic Beanstalk, an application version refers to a specific, labeled iteration of deployable code for a web application.

TURKISH

Uygulama: Elastic Beanstalk'ta bir uygulama sürümü, bir web uygulaması için konuşlandırılabilir kodun belirli, etiketli bir yinelemesine atıfta bulunur.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

An application version points to an Amazon Simple Storage Service (Amazon S3) object that contains the deployable code, such as a Java WAR file. An application version is part of an application.

TURKISH

Bir uygulama sürümü, Java WAR dosyası gibi dağıtılabilebilir kodu içeren bir Amazon Simple Storage Service (Amazon S3) nesnesine işaret eder. Bir uygulama sürümü, bir uygulamanın parçasıdır.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

Environment: An environment is a collection of AWS resources running an application version. When you create an environment, Elastic Beanstalk provisions the resources needed to run the application version you specified.

TURKISH

Çevre: Bir ortam, bir uygulama sürümünü çalıştırılan bir AWS kaynakları topluluğudur. Bir ortam oluşturduğunuzda, Elastic Beanstalk belirttiğiniz uygulama sürümünü çalıştırılmak için gereken kaynakları sağlar.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

- **Environment Tier:**

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

When you launch an Elastic Beanstalk environment, you first choose an environment tier. The environment tier designates the type of application that the environment runs, and determines what resources Elastic Beanstalk provisions to support it

TURKISH

Bir Elastic Beanstalk ortamı başlattığınızda, önce bir ortam katmanı seçersiniz. Ortam katmanı, ortamın çalıştırıldığı uygulama türünü belirler ve Elastic Beanstalk'ın onu desteklemek için hangi kaynakları sağladığını belirler.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

An application that serves HTTP requests runs in a Web Server Environment Tier. An environment that pulls tasks from an Amazon Simple Queue Service (Amazon SQS) queue runs in a Worker Environment Tier.

TURKISH

HTTP isteklerine hizmet eden bir uygulama, bir Web Sunucusu Ortam Katmanında çalışır. Görevleri Amazon Simple Queue Service (Amazon SQS) kuyruğundan çeken bir ortam, Worker Environment Tier'da çalışır.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

- **Environment Configuration:**

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

An environment configuration identifies a collection of parameters and settings that define how an environment and its associated resources behave. When you update an environment's configuration settings, Elastic Beanstalk automatically applies the changes to existing resources or deletes and deploys new resources (depending on the type of change).

(Bir ortamın yapılandırma ayarlarını güncellediğinizde, Elastic Beanstalk değişiklikleri otomatik olarak mevcut kaynaklara uygular veya yeni kaynakları silip dağıtır (değişikliğin türüne bağlı olarak).

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

)

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

- **Saved Configuration:**

A saved configuration is a template that you can use as a starting point for creating unique environment configurations.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

- **Platform:**

A platform is a combination of an operating system, programming language runtime, web server, application server, and Elastic Beanstalk components. You design and target your web application to a platform. Elastic Beanstalk provides a variety of platforms on which you can build your applications.

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>

Supported platform versions:

- Docker
- Multicontainer Docker
- Preconfigured Docker
- Go
- Java SE

- Tomcat
- .NET Core on Linux
- .NET on Windows Server
- Node.js
- PHP
- Python
- Ruby

From <<https://lms.clarusway.com/mod/lesson/view.php?id=2608&pageid=5734>>



Elastic Beanstalk



CLARUSWAY
WAY TO REINVENT YOURSELF



Table of Contents

- ▶ Introduction to Elastic Beanstalk
- ▶ Basic concepts of Elastic Beanstalk

CLARUSWAY
WAY TO REINVENT YOURSELF





Introduction to Elastic Beanstalk

CLARUSWAY
WAY TO REINVENT YOURSELF



Introduction to Elastic Beanstalk

What is Elastic Beanstalk ?



- AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services.
- It is a kind of orchestration service offered by Amazon Web Services used to set up your application architecture.

CLARUSWAY



Elastic Beasnstalk herhangi bir web applicationimizi deploy etmemizi internette sunmamizi saglayan bir servis
Hic aws bilginiz yok elastic beanstalk u ogrendiniz bu bile cok onemli
Aplication zipli halde gelip elastic beanstalka yuklendikten sonra ihtiyac olan tum seyleri burasi ayarliyor,
bz ekztradan database server kullaniyrosak onu ekliyoruz.



▶ Introduction to Elastic Beanstalk

What is Elastic Beanstalk ?

The screenshot shows the AWS Management Console navigation bar. On the left, there's a sidebar with 'Favorites' and 'Recently visited' sections. The main area is titled 'All services' and contains several categories: Compute, Customer Enablement, Storage, Quantum Technologies, Satellite, and Management & Governance. The 'Compute' category is expanded, showing services like EC2, Lightsail, Lambda, Batch, and Elastic Beanstalk. The 'Elastic Beanstalk' service is highlighted with a yellow box. Other services listed under Compute include Serverless Application Repo..., AWS Outposts, and EC2 Image Builder.

5

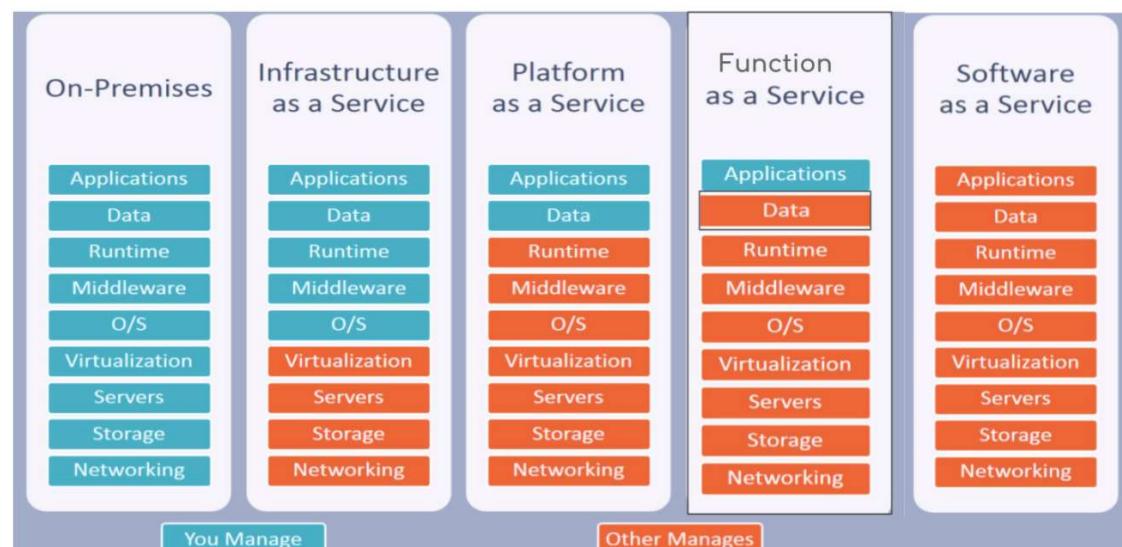
EB: compute servis

EB ; Platform as a servis



▶ Introduction to Elastic Beanstalk

What is Elastic Beanstalk ?



▶ Introduction to Elastic Beanstalk

What is Elastic Beanstalk ?



8

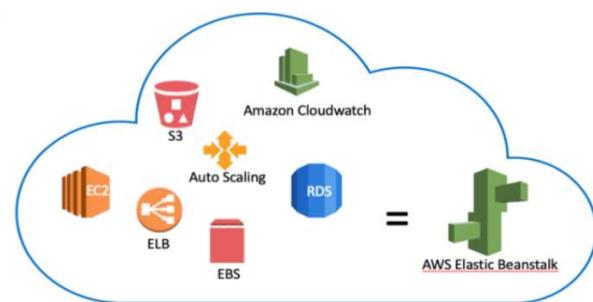
CLARUSWAY
WAY TO REINVENT YOURSELF

7

Beanstalk ta kullanibilecek programlardan baziları Ruby Python Java GO ,,,,

▶ Introduction to Elastic Beanstalk

Why AWS Elastic Beanstalk?



- Automates the details of capacity provisioning,
- Load balancing,
- Auto scaling,
- Application deployment,

CLARUSWAY
WAY TO REINVENT YOURSELF

8

Elastic Beanstalk ile capacity of provisioning in detaillerini otomatize ediyor. Tüm resimde gördüğümüz servisleri detaylı olarak provision ediyor. Load balancing auto scaling ve application deployment yapabiliyorsunuz.

EBSTALKda kodunuzu zipli halde yükleyorsunuz gerisi servisin işi.

Resource'ları da kendisi ayarlıyor. Deploy isii de kendisi deploy ediyor, deploy etme dersek de etmiyor.

▶ Introduction to Elastic Beanstalk

Why AWS Elastic Beanstalk?

- Automates management tasks:
 - Monitoring,
 - Version deployment,
 - Health check
 - Log



Monitoring



Health Check



CLARUSWAY
WAY TO REINVENT YOURSELF

Monitoring health check tutmak version update etmek vs bunların hepsini ElstcBEanstalk yapıyor. Diger detaylarla hangi instance hangi isletim sistemi vs ile developer ugrasmıyor hepsi sistem yapıyor. Biz ihtiyacımız olan atltyyapi vs ile ugrasmıyoruz



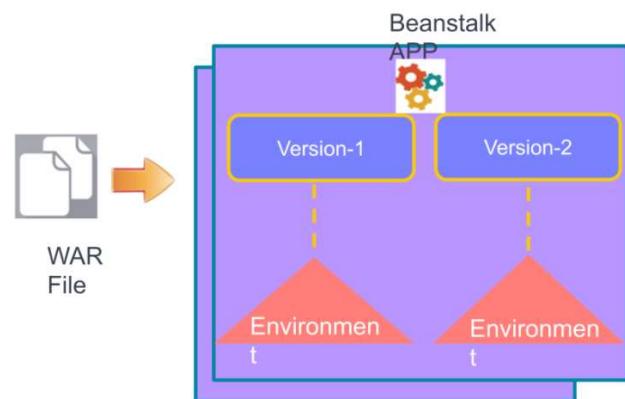
► Basic Concepts of Elastic Beanstalk

Application

- Application is a logical collection of Elastic Beanstalk components. It covers all components.

Application version

- Specific, labeled iteration of deployable code for a web application.



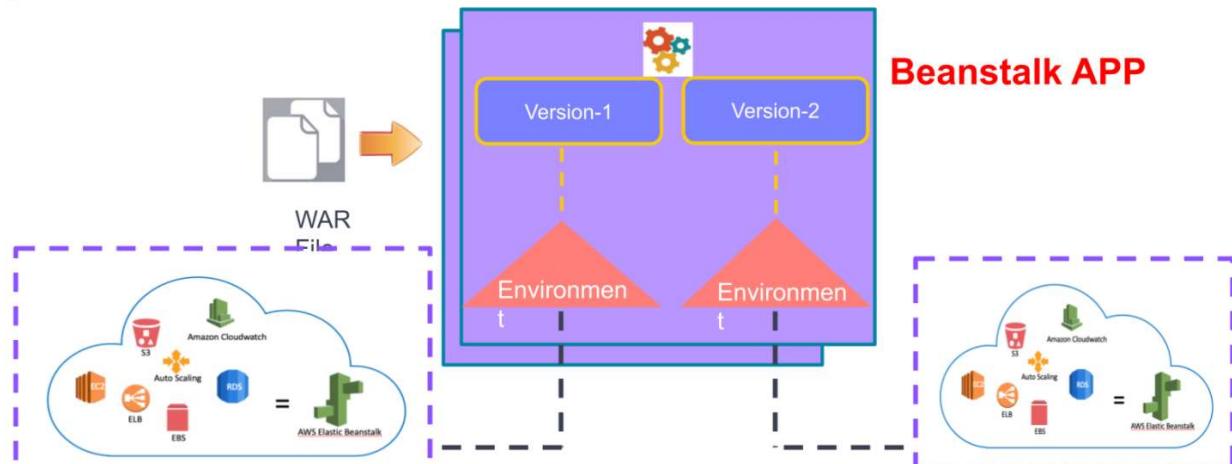
EBT temel bileşenleri; application: kısaca yazdığımız kod. Yuklöedigimiz koodun dosyaları bunun folderları application olarak taimmlanıyor kodu beanstalka yükledigimizde var veya zip file olarak yükliyoruz. Yükledigimiz her application'a farklı environment tanımlıyor. Aynı environmentda birden fazla application çalışmıyor.

Application'un yeni versiyonunu yükledigimizde istersek birinciyi durdurup aynı environment da çalıştırabiliriz veya yerine de çalıştırabiliriz. (EC2 olarak anlayabiliriz)

Versionlama da bunun labellanmış hali. Birinci version 2. version gibi
Bunlar her birisi ayrı ayrı environmentlarda çalışacak



► Basic Concepts of Elastic Beanstalk



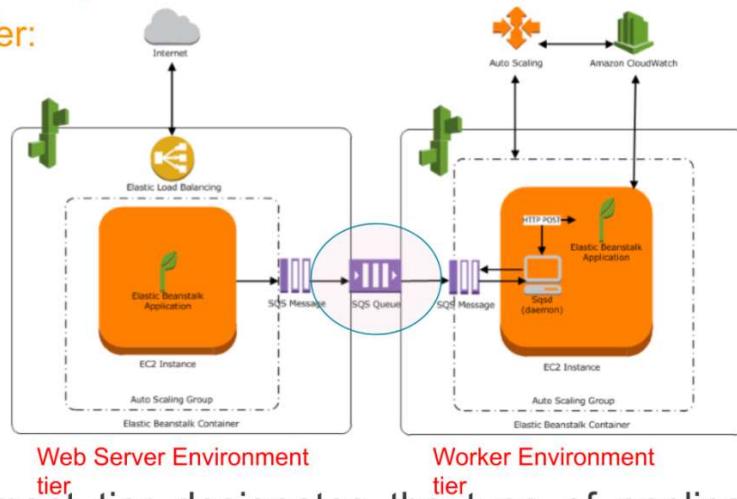
Environment

- An environment is a collection of AWS resources running an application version. Each environment runs only one application version at a time.

Environment ELBEANSTALKIN bizim adimiza olusturdugu instance, RDS vb tum infrastructure environment olarak tanimlanir. Bunu AWS bizim adimiza yapiyor.

► Basic Concepts of Elastic Beanstalk

Environment Tier:



- The environment tier designates the type of application that the environment runs, and determines what resources Elastic Beanstalk provisions to support it.



Slide 13/19



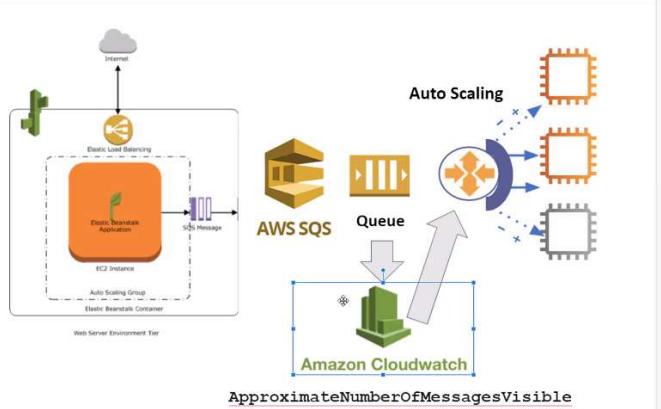
Web server env worker env olmak üzere iki çeşit env var

Web server basit bir internet sayfası düşünülebiliriz

Worker env devreye girdiginde AWS nin başka servisleri de devreye giriyor.

Front end ve back end olarak düşünülebiliriz.

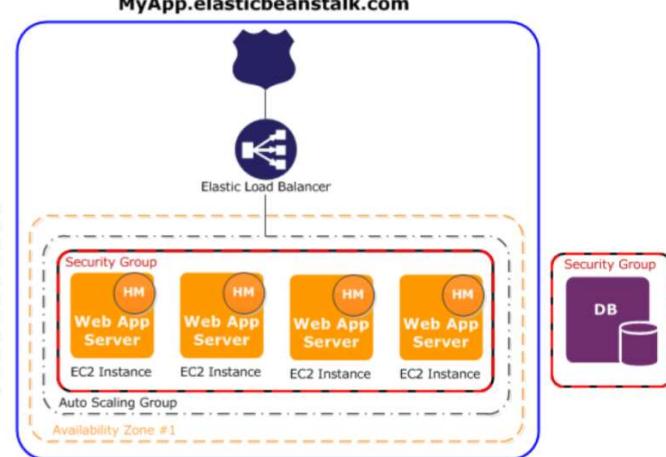




Alisveris sitesinde aws ec2 da calisiyor. Musteri sadece esafayi goruyor. Arka tarafta tum islemleri yapan aws nin sqs servisi var, bunu kullnarak siraya sokma ilsmelerini yapiyor. Frontenden gelen herseyi bir siraya sokuyor. Bunlari backendde iletiyor, bu iletme esnasinda musteri kaybetmemek icin bu sqs servsi cloudwatcha gonderiyor sonrasında yeterlilik durumuna gore yeni ec2 lar acilabilioyor cloudwatch tetiklemesi ile autoscaling devreye giriyor. (bunlarin hepsini elastic beanstalk kendisi ayarliyor.)

► Basic Concepts of Elastic Beanstalk

Environment Tier:



Web Server Environment tier

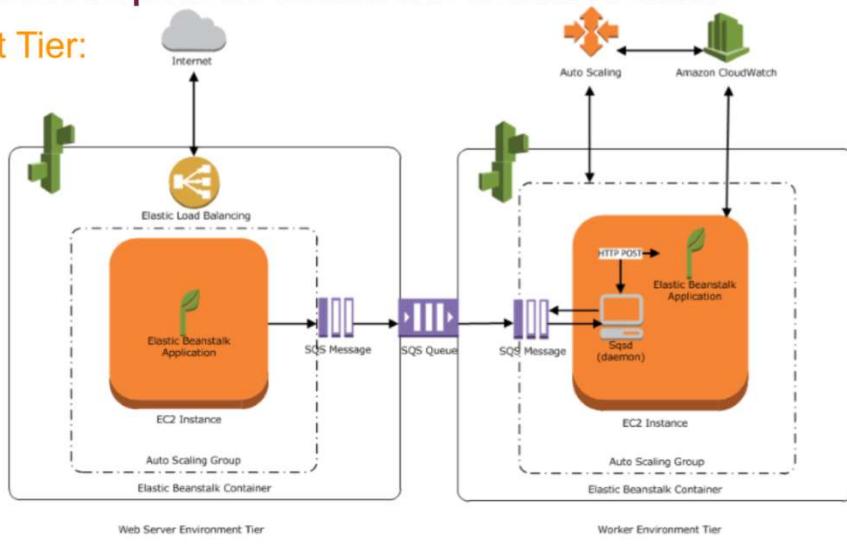
CLARUSWAY
WAY TO REINVENT YOURSELF

14

Web server env da, database yok onu biz ekliyoruz. Load balancer auto sg ec2 vb var.

► Basic Concepts of Elastic Beanstalk

Environment Tier:



CLARUSWAY
WAY TO REINVENT YOURSELF

Slide 15/19

► Basic Concepts of Elastic Beanstalk

Platform:

Platform	Supported platform versions
Platform	<ul style="list-style-type: none">DockerMulticontainer DockerPreconfigured DockerGoJava SETomcat.NET Core on Linux.NET on Windows ServerNode.jsPHPPythonRuby
Platform branch	
Platform version	

CLARUSWAY
WAY TO REINVENT YOURSELF

Bunlar destekledigi platformlar yapilar.

Platform aslinda isletim sistemki programlama dili ve app serverin bir kombinasyonu

Biz daha çok destekledigi dillere yoğunlaşalım

16

► Basic Concepts of Elastic Beanstalk



Elastic Beanstalk command line interface (EB CLI)

```
user@clarusway-MacBook~ % eb --version
EB CLI 3.19.4 (Python 3.9.4)
```



Slide 17/19



► Elastic Beanstalk



Let's get our hands dirty!

- Creating Application

CLARUSWAY
WAY TO REINVENT YOURSELF

18

Elastic Beanstalk in da kendi CLI yi var.

<https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/eb-cli3-install.html>

From <<https://app.slack.com/client/T0227UVRJU8/C021BG84YJJ>>

Python temelli bir tool. AWSEB CLI

HANDSON

Part 1 - Launch an Application

- First download the php-v1.zip and php-v2.zip files from GitHub and share them via Slack.
- Go to `Elastic Beanstalk` service on AWS console.
- Click `Create Application`.

The screenshot shows the AWS Elastic Beanstalk landing page. The top navigation bar includes links for Apps, Gmail, Lists, Questions and..., Your first Python pr..., 20KN_1576803390..., Clarusway-dev-750..., AWS Management..., Python conditional..., Home | Codewars, 5. Data Structures..., Python Tutorial for..., and Reading list. The main content area features the Elastic Beanstalk logo and the tagline "Amazon Elastic Beanstalk" and "End-to-end web application management". A "Get started" button is prominently displayed. Below the main title, there's a brief description of what Elastic Beanstalk does. To the right, there's a "Pricing" section stating that there's no additional charge for Elastic Beanstalk. On the left, a sidebar lists "Environments", "Applications", and "Change history". At the bottom, sections for "How it works" and "Benefits and features" are visible, along with a "Getting Started" link.

- Enter your application name `MySampleApp` . (You can also add Application tags if you need.)
- Select `PHP` for Platform, `PHP 7.4 running on 64bit Amazon Linux 2` for Platform Branch and `3.3.2 (Recommended)` for Platform Version.

The screenshot shows the "Create Application" form in the AWS Elastic Beanstalk console. The left sidebar has options for "Environments", "Applications", and "Change history". The main form is divided into several sections:

- Application information:** Contains a field for "Application name" with "MySampleApp" entered. A note says "Up to 100 Unicode characters, not including forward slash (/)."
- Application tags:** A note says "Apply up to 50 tags. You can use tags to group and filter your resources. A tag is a key-value pair. The key must be unique within the resource and is case-sensitive." A "Add tag" button is present, with "50 remaining" tags available.
- Platform:** Contains dropdown menus for "Platform" (set to "PHP"), "Platform branch" (set to "PHP 8.0 running on 64bit Amazon Linux 2"), and "Platform version" (set to "3.3.4 (Recommended)").

- Select `Upload your code` for Application code.
- Type `mysampleapp-source-V1`
- ` for Version label and select Local file. Then click choose file and upload php-v1.zip file.
- Check File successfully uploaded to be sure.
- Click `Create application`.

Elastic Beanstalk

Environments Applications Change history

Sample application
Get started right away with sample code.

Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

Source code origin

Version label
Unique name for this version of your application code.

Source code origin
Maximum size 512 MB

Local file

Public S3 URL

File name : **php-v1.zip**

File successfully uploaded

Application code tags

Cancel Configure more options **Create application**

- Wait for Elastic Beanstalk to create the environment for the application. Show the resources being created and listed on the console.
- After the creation of the environment click the link (Application URL) and show the Web Page.
- From the left-hand menu show the app and env menus, talk about them. Click on the tabs like `Configuration`, `Monitoring` etc. and explain them.
- Go to `EC2` service on AWS console and show the resources (Instances, Load Balancers, ASG's etc.) created by Elastic Beanstalk.

Platform sectik isim verdik code u yerel dosyadan alip ekledik....

Elastic Beanstalk

Environments Applications Change history

MySampleApp Application versions Saved configurations

Elastic Beanstalk > Environments > Mysampleapp-env

Creating Mysampleapp-env
This will take a few minutes.

4:16pm Using elasticbeanstalk-us-east-1-547187538673 as Amazon S3 storage bucket for environment data.
4:16pm createEnvironment is starting.

Creating Mysampleapp-env
This will take a few minutes. ...

```

4:18pm Created CloudWatch alarm named:
awseb-e-irfhq3tt3m-stack-AWSEBCloudwatchAlarmLow-LGZUB2RJK7LC

4:18pm Created CloudWatch alarm named:
awseb-e-irfhq3tt3m-stack-AWSEBCloudwatchAlarmHigh-10OW1MLHZ7UQ3

4:18pm Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-1:547187538673:scalingPolicy:84362ecf-7359-41b3-ad73-939ffd259141:autoScalingGroupName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingGroup-1XPH18TUSU4Yj:policyName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingScaleUpPolicy-932J4CM2E911

4:18pm Created Auto Scaling group policy named:
arn:aws:autoscaling:us-east-1:547187538673:scalingPolicy:6740de66-8c62-45f6-a5df-bcccd3dc1fb10:autoScalingGroupName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingGroup-1XPH18TUSU4Yj:policyName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingScaleDownPolicy-ALWU15W26E6

4:18pm Waiting for EC2 instances to launch. This may take a few minutes.

4:18pm Created Auto Scaling group named:
awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingGroup-1XPH18TUSU4Yj

4:17pm Environment health has transitioned to Pending. Initialization in progress (running for 58 seconds). There are no instances.

4:17pm Created security group named:
awseb-e-irfhq3tt3m-stack-AWSEBSecurityGroup-1A5853PA9V9TO

4:17pm Created security group named:
sg-01bbff2da70832fe8a

```

Environment olusturmaya basladi. Once s3 de bucket olusturdu.

Elastic Beanstalk

- Environments
- Applications
- Change history

▼ MySampleApp

- Application versions
- Saved configurations

▼ Mysampleapp-env

- Configuration
- Logs
- Health
- Monitoring
- Alarms
- Managed updates
- Events**
- Tags

Elastic Beanstalk > Environments > Mysampleapp-env > Events

Elastic Beanstalk is launching your environment.

Events			
Severity	TRACE	Type	Details
2021-08-14 16:20:25 UTC+0300	INFO	Created Load Balancer listener named: arn:aws:elasticloadbalancing:us-east-1:547187538673:listener/app/awseb-AWSEB-133U3ZOG1C8FI/955497e262256f94/4790bce1952e3eef	
2021-08-14 16:20:10 UTC+0300	INFO	Created load balancer named: arn:aws:elasticloadbalancing:us-east-1:547187538673:loadbalancer/app/awseb-AWSEB-133U3ZOG1C8FI/955497e262256f94	
2021-08-14 16:18:34 UTC+0300	INFO	Created CloudWatch alarm named: awseb-e-irfhq3tt3m-stack-AWSEBCloudwatchAlarmLow-LGZUB2RJK7LC	
2021-08-14 16:18:34 UTC+0300	INFO	Created CloudWatch alarm named: awseb-e-irfhq3tt3m-stack-AWSEBCloudwatchAlarmHigh-10OW1MLHZ7UQ3	
2021-08-14 16:18:19 UTC+0300	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:547187538673:scalingPolicy:84362ecf-7359-41b3-ad73-939ffd259141:autoScalingGroupName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingGroup-1XPH18TUSU4Yj:policyName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingScaleUpPolicy-932J4CM2E911	
2021-08-14 16:18:19 UTC+0300	INFO	Created Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:547187538673:scalingPolicy:6740de66-8c62-45f6-a5df-bcccd3dc1fb10:autoScalingGroupName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingGroup-1XPH18TUSU4Yj:policyName/awseb-e-irfhq3tt3m-stack-AWSEBAutoScalingScaleDownPolicy-ALWU15W26E6	

Tum eventlari gormek istersek trace i seciyoruz

Elastic Beanstalk

Environments

Applications

Change history

All environments

Filter results matching the display values

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform	Platform state
Mysampleapp-env	Ok	MySampleApp	2021-08-14 16:16:34 UTC+0300	2021-08-14 16:21:07 UTC+0300	Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com	mysampleapp-source-V1	PHP 8.0 running on 64bit Amazon Linux 2	Supported

Elastic Beanstalk

Environments

Applications

Change history

MySampleApp

Application versions

Saved configurations

Mysampleapp-env

Go to environment

Configuration

Logs

Health

Monitoring

Alarms

Managed updates

Events

Tags

Mysampleapp-env

Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com (e-irfhq3t3m)
Application name: MySampleApp

Health

Ok

Causes

Running version

mysampleapp-source-V1

Upload and deploy

Platform

PHP

PHP 8.0 running on 64bit Amazon Linux 2/3.5.4

Change

Recent events

Show all

Time	Type	Details
2021-08-14 16:21:07 UTC+0300	INFO	Successfully launched environment: Mysampleapp-env
2021-08-14 16:21:06 UTC+0300	INFO	Application available at Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com.
2021-08-14 16:20:49 UTC+0300	INFO	Added instance [i-09ccc28cf09c2570c] to your environment.
2021-08-14 16:20:49 UTC+0300	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 11 seconds ago and took 4 minutes.
2021-08-14 16:20:33 UTC+0300	INFO	Instance deployment completed successfully.

Elastic Beanstalk

Environments

Applications

Change history

MySampleApp

Application versions

Saved configurations

Mysampleapp-env

Go to environment

Configuration

Logs

Health

Monitoring

Alarms

Managed updates

Events

Tags

Mysampleapp-env

Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com (e-irfhq3t3m)
Application name: MySampleApp

Health

Ok

Causes

Running version

mysampleapp-source-V1

Upload and deploy

Platform

PHP

PHP 8.0 running on 64bit Amazon Linux 2/3.5.4

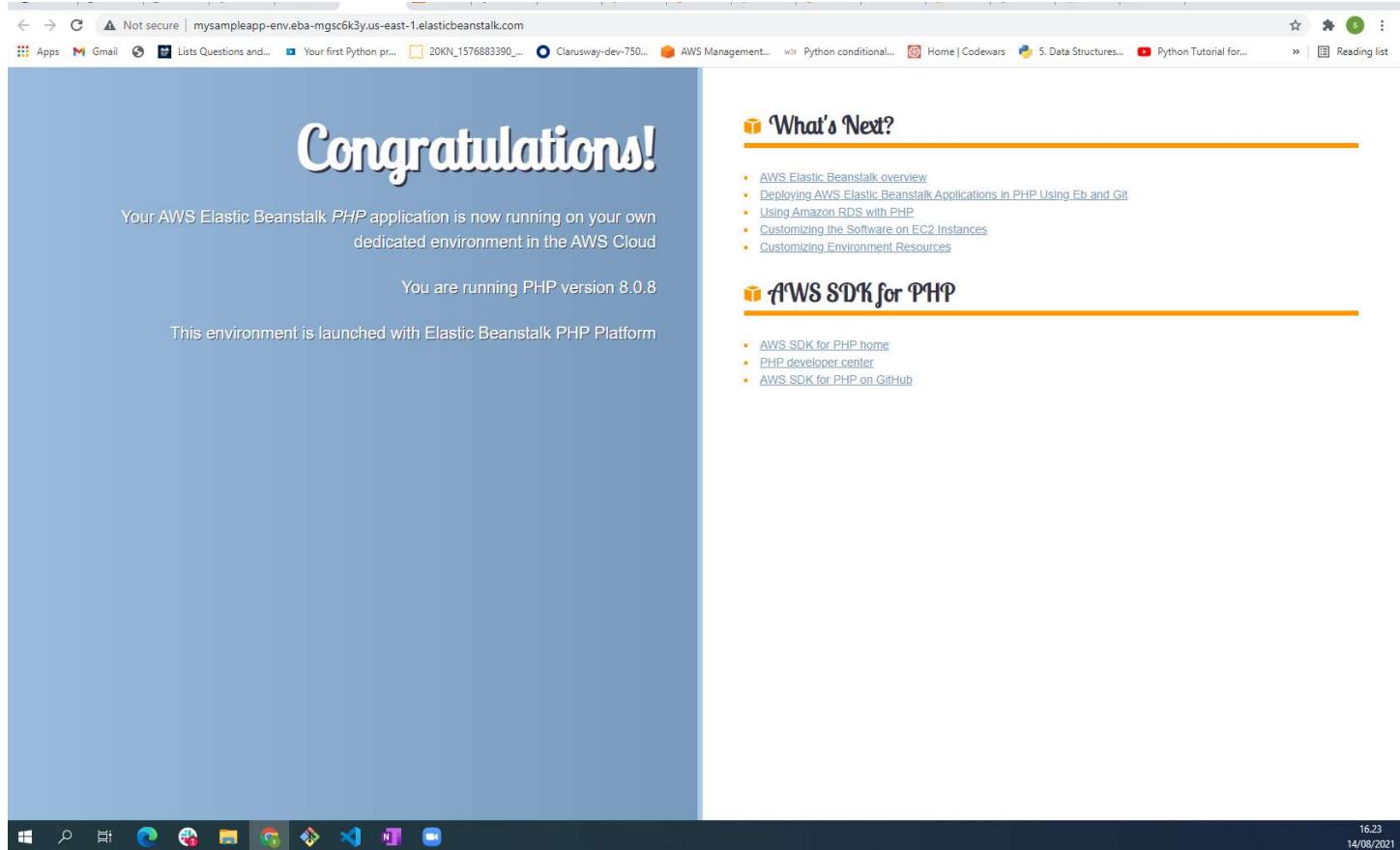
Change

Recent events

Show all

Time	Type	Details
2021-08-14 16:21:07 UTC+0300	INFO	Successfully launched environment: Mysampleapp-env
2021-08-14 16:21:06 UTC+0300	INFO	Application available at Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com.
2021-08-14 16:20:49 UTC+0300	INFO	Added instance [i-09ccc28cf09c2570c] to your environment.
2021-08-14 16:20:49 UTC+0300	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 11 seconds ago and took 4 minutes.
2021-08-14 16:20:33 UTC+0300	INFO	Instance deployment completed successfully.

Adrese tıkladığımızda



The screenshot shows the "Tags for Mysampleapp-env" dialog within the AWS Elastic Beanstalk interface. The left sidebar shows the navigation path: Elastic Beanstalk > Environments > Mysampleapp-env > Tags. The main area displays a table of tags with columns "Key" and "Value". There are three existing tags: "elasticbeanstalk:environment-id" with value "eba-mgsc6k3y", "elasticbeanstalk:environment-name" with value "Mysampleapp-env", and "Name" with value "Mysampleapp-env". Below the table is a "Add tag" button and a note indicating "47 remaining". At the bottom right are "Cancel" and "Apply" buttons.

Key	Value
elasticbeanstalk:environment-id	eba-mgsc6k3y
elasticbeanstalk:environment-name	Mysampleapp-env
Name	Mysampleapp-env

Add tag Remove

47 remaining

Cancel **Apply**

**Biz tag vermedik
Sistem zaten name tagini kendisi kullaniyoir**

Elastic Beanstalk

Environments Applications Change history

MySampleApp Application versions Saved configurations

Mysampleapp-env Go to environment Configuration Logs Health **Monitoring** Alarms Managed updates Events Tags

Overview

1.0 Healthy Host Count 1.4 Target Response Time 3.0 Sum Requests 2.6% CPU Utilization 21MB Max Network In 94KB Max Network Out

in Milliseconds

Monitoring

Environment Health by health codes

Info Ok 8/14 16:17, 8/14 16:18, 8/14 16:19, 8/14 16:20, 8/14 16:21, 8/14 16:22, 8/14 16:23

Target Response Time in seconds

0.0015, 0.0010, 0.0005, 0.0000 8/14 16:22

Sum Requests by count

CPU Utilization in percent

Alarm ve update henuz olmadiginden gorunmuyor

Elastic Beanstalk Services

Search for services, features, marketplace products, and docs [Alt+S]

Admin_user @ ser007 N. Virginia Support

Environments Applications Change history

MySampleApp Application versions Saved configurations

Mysampleapp-env Go to environment Configuration Logs **Health** Monitoring Alarms Managed updates Events Tags

Recent environments

Enhanced health overview

Instances: 1 Total, 1 Ok

Learn more about enhanced health.

Auto refresh (11 s)

Instance ID	Status	Running	Deployment ID	Requests/sec	2xx Response
Overall	Ok	N/A	N/A	0.1	100%
i-09ccc28cf09c2570c	Ok	8 minutes	1	0.1	1

Loglarimiz burda gorulebiliyor

Configurationda da tum her seyi gorebiliyoruz

Software	Instances	Capacity
Allow URL fopen: On Display errors: Off Document root: -- Log streaming: disabled Max execution time (seconds): 60 Memory limit: 256M Proxy server: nginx Rotate logs: disabled X-Ray daemon: disabled Zlib output compression: Off	EC2 security groups: awseb-e-irfhq3tt3m-stack-AWSEBSecurityGroup-1A58S3PA9V9T0 IMDSv1: disabled IOPS: container default Monitoring interval: 5 minute Root volume type: container default Size: container default Throughput: container default	AMI ID: ami-0b55072d6aa22051c Availability Zones: Any Breach duration: 5 Capacity rebalancing: disabled Environment type: load balancing, auto scaling Instance type: t2.micro Lower threshold: 2000000 Max: 4 Metric: NetworkOut Min: 1 Period: 5 Placement: Scale down increment: -1 Scale up increment: 1 Scaling cooldown: 360 seconds Statistic: Average Unit: Bytes Upper threshold: 6000000

Load balancer	Rolling updates and deployments	Security
Listeners: 1 Load balancer type: application Processes: 1 Rules: 0 Shared: false Store logs: disabled	Batch size: 100% Command timeout: 600 Deployment policy: All at once Healthy threshold: Ok Ignore health check: disabled Rolling updates: disabled	EC2 key pair: -- IAM instance profile: aws-elasticbeanstalk-ec2-role Service role: arn:aws:iam::547187538673:role/aws-elasticbeanstalk-service-role

Burda baktigimizda kendisinin neleri ayarladagini da goruyoruz
Bir coguna edit yapabiliyoruz sonradan

Monitoring

CloudWatch Custom Metrics-Environment:
CloudWatch Custom Metrics-Instance:
Health event log streaming: disabled
Ignore HTTP 4xx: disabled
Ignore load balancer 4xx: disabled
System: Enhanced

Managed updates

Managed updates: disabled

Notifications

Email: --

Network

This environment is not part of a VPC.

Database

Database i olusturmuyor

S3 de bucket

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Amazon S3

Account snapshot

Last updated: Aug 13, 2021 by Storage Lens. Metrics are generated every 24 hours. Learn more [\[?\]](#)

Total storage	Object count	Avg. object size	You can enable advanced metrics in the "default-account-dashboard" configuration.
285.6 KB	142	2.0 KB	

Buckets (4) Info

Buckets are containers for data stored in S3. Learn more [\[?\]](#)

Name	AWS Region	Access	Creation date
cf-templates-qlmtxjcxatjo-us-east-1	US East (N. Virginia) us-east-1	Objects can be public	June 26, 2021, 13:27:45 (UTC+03:00)
cf-templates-qlmtxjcxatjo-us-east-2	US East (Ohio) us-east-2	Objects can be public	June 26, 2021, 13:43:27 (UTC+03:00)
elasticbeanstalk-us-east-1-547187538673	US East (N. Virginia) us-east-1	Objects can be public	August 14, 2021, 16:14:52 (UTC+03:00)
www.awssdevopspsserkani.com	US East (N. Virginia) us-east-1	Only authorized users of this account	August 5, 2021, 21:36:46 (UTC+03:00)

Cloudformation

← → 🔍 console.aws.amazon.com/cloudformation/home?region=us-east-1#stacks?filteringStatus=active&filteringText=&viewNested=true&hideStacks=false

Apps Gmail Lists Questions and... Your first Python pr... 20KN_1576883390... Clarusway-dev-750... AWS Management... Python conditional... Home | Codewars 5. Data Structures... Python Tutorial for... Reading list

CloudFormation

Stacks

- StackSets
- Exports

Designer

Registry

- Public extensions
- Activated extensions
- Publisher

CloudFormation > Stacks

Stacks (1)

Stack name	Status	Created time	Description
awseb-e-irfhq3tt3m-stack	CREATE_COMPLETE	2021-08-14 16:16:45 UTC+0300	AWS Elastic Beanstalk environment (Name: 'Mysampleapp-env' Id: 'e-irfhq3tt3m')

Instance

console.aws.amazon.com/ec2/v2/home?region=us-east-1#instances:

New EC2 Experience Tell us what you think

EC2 Dashboard

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Scheduled Instances

Successfully terminated i-0e8e556053d1fb5f5, i-0aa147c03d1d5d3c0

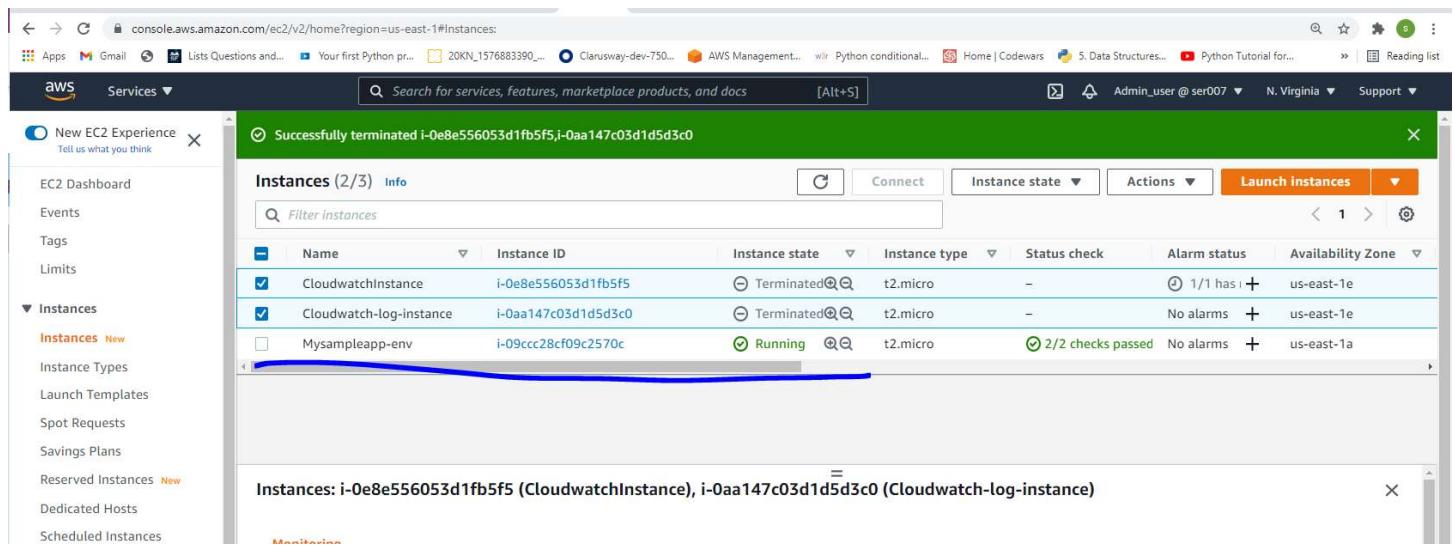
Instances (2/3) Info

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Cloudwatchinstance	i-0e8e556053d1fb5f5	Terminated	t2.micro	-	1/1 has +	us-east-1e
Cloudwatch-log-instance	i-0aa147c03d1d5d3c0	Terminated	t2.micro	-	No alarms	us-east-1e
Mysampleapp-env	i-09ccc28cf09c2570c	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

Instances: i-0e8e556053d1fb5f5 (Cloudwatchinstance), i-0aa147c03d1d5d3c0 (Cloudwatch-log-instance)

Monitoring



Cloudwatch dan alarm olusturdu

CloudWatch

New menu experience

Favorites

Dashboards

Alarms △1 ○2 ⊖1

In alarm

All alarms

Billing

Logs

Log groups

Logs Insights

Metrics

Events

Application monitoring New

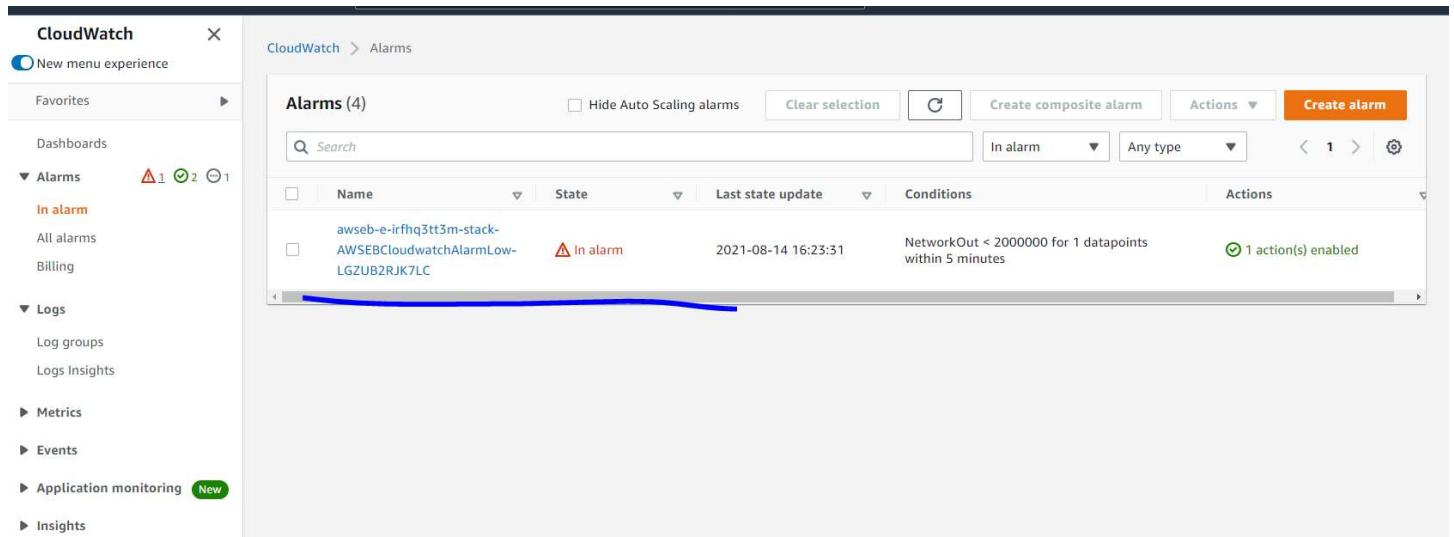
Insights

CloudWatch > Alarms

Alarms (4)

Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Name	State	Last state update	Conditions	Actions
awseb-e-irfhq3tt3m-stack-AWSEBCloudwatchAlarmLow-LGZUB2RJK7LC	In alarm	2021-08-14 16:23:31	NetworkOut < 2000000 for 1 datapoints within 5 minutes	1 action(s) enabled



**Capacity 2 yaptik az sonra 2 instance oldugunu gorecegiz
APLY diyoruz**

2.instance da geldi

Successfully terminated i-0e8e556053d1fb5f5,i-0aa147c03d1d5d3c0

Instances (2/4) Info		Connect	Instance state	Actions	Launch instances	▼
		Filter instances	◀ 1 ▶	↻		
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
CloudwatchInstance	i-0e8e556053d1fb5f5	Terminated	t2.micro	-	-	us-east-1e
Cloudwatch-log-instance	i-0aa147c03d1d5d3c0	Terminated	t2.micro	-	-	us-east-1e
Mysampleapp-env	i-0582a4cf8445cde47	Running	t2.micro	Initializing	-	us-east-1b
Mysampleapp-env	i-09ccc28cf09c2570c	Running	t2.micro	2/2 checks passed	-	us-east-1a

Kendi keypairimizi ekliyoruz

Search for services, features, marketplace products, and docs [Alt+S]

Elastic Beanstalk > Environments > Mysampleapp-env > Configuration

Modify security

Service role

Service role: aws-elasticbeanstalk-service-role

Virtual machine permissions

EC2 key pair: ec2_key

IAM instance profile: aws-elasticbeanstalk-ec2-role

Cancel Continue Apply

The screenshot shows the AWS Elastic Beanstalk Configuration page for the environment 'Mysampleapp-env'. In the 'Service messages' section, there is a warning message: 'Changes to option EC2KeyName settings will not take effect immediately. Each of your existing EC2 instances will be replaced and your new settings will take effect then.' The message also includes the command 'aws:autoscaling:launchconfiguration:EC2KeyName "null" to "ec2_key"'. At the bottom right, there are 'Cancel' and 'Confirm' buttons.

Instance güncellenmesini goruyoruz

The screenshot shows the AWS EC2 Instances page. The left sidebar is expanded to show the 'Instances' section, which is currently selected. The main table displays six instances for the environment 'Mysampleapp-env'. The instances are listed as follows:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
CloudwatchInstance	i-0e8e556053d1fb5f5	Terminated	t2.micro	-	1/1 has +	us-east-1e
Cloudwatch-log-instance	i-0aa147c03d1d5d3c0	Terminated	t2.micro	-	No alarms	us-east-1e
Mysampleapp-env	i-00900f6ef7970f838	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d
Mysampleapp-env	i-0582a4cf8445cde47	Shutting-down	t2.micro	-	No alarms	us-east-1b
Mysampleapp-env	i-05253c62eec77fc48	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b
Mysampleapp-env	i-09ccc28cf09c2570c	Shutting-down	t2.micro	-	No alarms	us-east-1a

LOAD BALANCER IN ENDPOINTYLE DE EB NIN BIZE VERDIGI ENDPOINT LE DE SAYFAYA ULASILABILIYOR

Basic Configuration

Name	awseb-AWSEB-133U3ZOG1C8FI
ARN	arn:aws:elasticloadbalancing:us-east-1:547187538673:loadbalancer/app/awseb-AWSEB-133U3ZOG1C8FI/955497e262256f94
DNS name	awseb-AWSEB-133U3ZOG1C8FI-960452014.us-east-1.elb.amazonaws.com (A Record)
State	Active
Type	application
Scheme	internet-facing
IP address type	ipv4
VPC	vpc-d9e37fa4
Availability Zones	subnet-09a0e06f - us-east-1c IPv4 address: Assigned by AWS subnet-10bbf64f - us-east-1b

Congratulations!

Your AWS Elastic Beanstalk *PHP* application is now running on your own dedicated environment in the AWS Cloud

You are running PHP version 8.0.8

This environment is launched with Elastic Beanstalk PHP Platform

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [Deploying AWS Elastic Beanstalk Applications in PHP Using Eb and Git](#)
- [Using Amazon RDS with PHP](#)
- [Customizing the Software on EC2 Instances](#)
- [Customizing Environment Resources](#)

AWS SDK for PHP

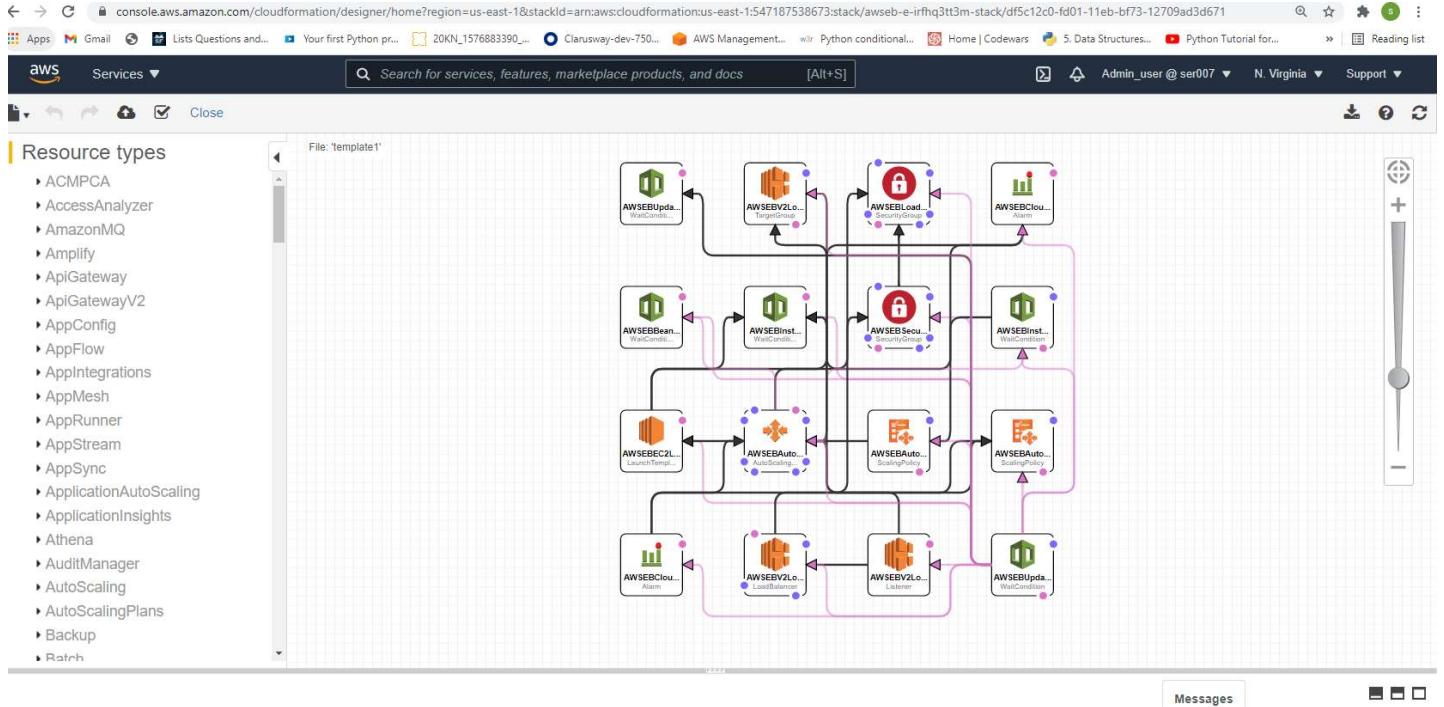
- [AWS SDK for PHP home](#)
- [PHP developer center](#)
- [AWS SDK for PHP on GitHub](#)

Sü an pem key ekli olmadigi icin instance dns inden acamyoruz

Modifi secusity den pem keyimizi ekleyince yeni instance acacak ve eskilerini kapataak.

VPC olusturmadi, default VPC yi kulaniyor-
Bzim icin security grup da olusturdu.

Bizim icin olusturdugu template view designerdan bakanca goruyoruz



Keypair ekliyorum.

Ekleme sonrası

```

serkan@DESKTOP-2JGQL1V MINGW64 ~/Desktop
$ ssh -i "ec2_key.pem" ec2-user@ec2-3-92-57-76.compute-1.amazonaws.com
[snip]
Amazon Linux 2 AMI

This EC2 instance is managed by AWS Elastic Beanstalk. Changes made via SSH
WILL BE LOST if the instance is replaced by auto-scaling. For more information
on customizing your Elastic Beanstalk environment, see our documentation here:
http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers-ec2.html

[ec2-user@ip-172-31-47-129 ~]$ █

```

Ssh baglantrisi yapabildik.

Elasticbeanstalk yaziyor...

Nginx calsiyor mu check ediyoruz

```

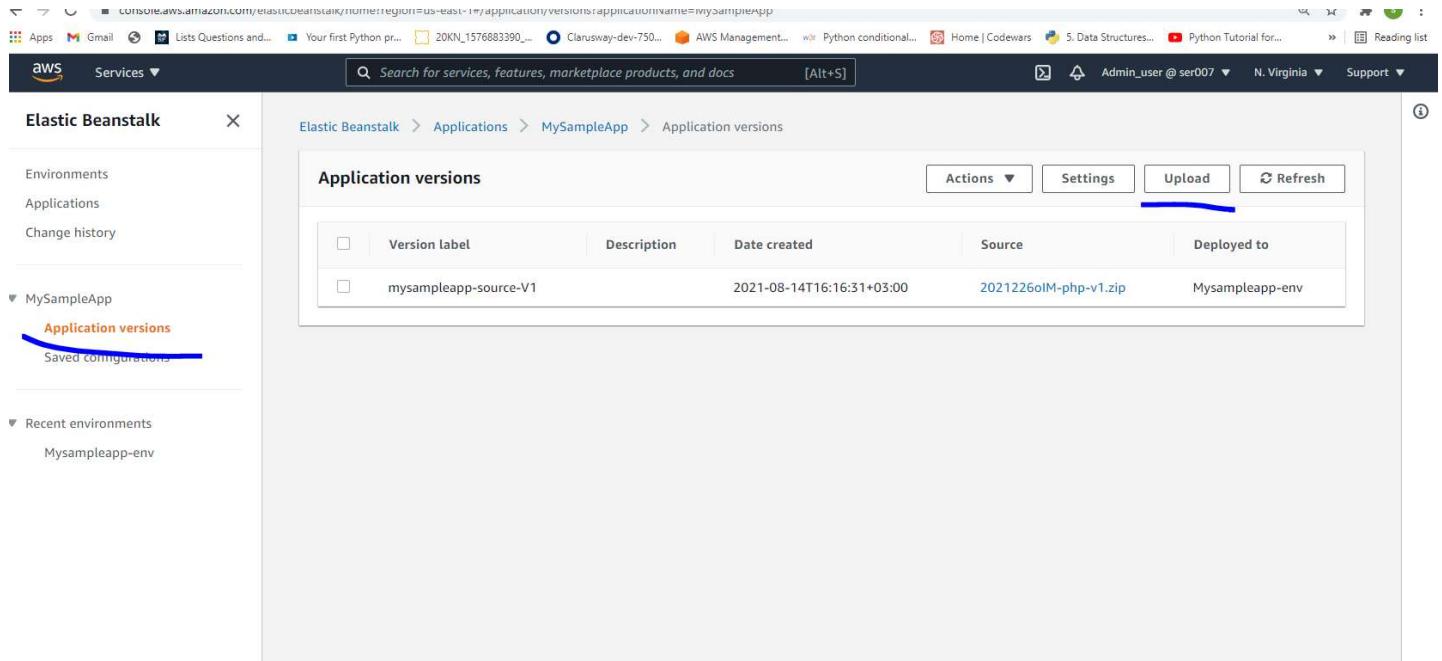
└─nginx.conf
  /usr/lib/systemd/system/nginx.service.d
    └─php-fpm.conf
Active: active (running) since Sat 2021-08-14 14:13:15 UTC; 6min ago
Process: 3441 ExecStartPost=/bin/sh -c systemctl show -p MainPID nginx.service | cut -d= -f2 > /var/pids/nginx.pid (code=exited, status=0/SUCCESS)
Process: 3438 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
Process: 3436 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
Process: 3433 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
Main PID: 3440 (nginx)
CGroup: /system.slice/nginx.service
└─3440 nginx: master process /usr/sbin/nginx
  └─3442 nginx: worker process

Aug 14 14:13:15 ip-172-31-47-129.ec2.internal systemd[1]: Starting The nginx HTTP and reverse proxy server...
Aug 14 14:13:15 ip-172-31-47-129.ec2.internal nginx[3436]: nginx: the configuration file /etc/nginx/nginx.... ok
Aug 14 14:13:15 ip-172-31-47-129.ec2.internal nginx[3436]: nginx: configuration file /etc/nginx/nginx.conf...ful
Aug 14 14:13:15 ip-172-31-47-129.ec2.internal systemd[1]: Started The nginx HTTP and reverse proxy server.
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-47-129 ~]$ 

```

Part 2 - Update the Application

Step 1 - Update the Application



The screenshot shows the AWS Elastic Beanstalk console. On the left, there's a sidebar with links for Environments, Applications, Change history, MySampleApp (which is expanded), Application versions (which is also expanded and highlighted with a blue arrow), and Recent environments (with 'Mysampleapp-env' listed). The main content area shows the 'Application versions' page for 'MySampleApp'. At the top, there are buttons for Actions, Settings, Upload, and Refresh. Below is a table with columns: Version label, Description, Date created, Source, and Deployed to. One row is visible: 'mysampleapp-source-V1' with a creation date of '2021-08-14T16:16:31+03:00', source '2021226oIM-php-v1.zip', and deployed to 'Mysampleapp-env'.

Version label	Description	Date created	Source	Deployed to
mysampleapp-source-V1		2021-08-14T16:16:31+03:00	2021226oIM-php-v1.zip	Mysampleapp-env

Upload Application Version

Version label: mysampleapp-source-V2

Description:

Optional.

Upload application:

File name : php-v2.zip

Tags

Apply up to 50 tags. You can use tags to group and filter your resources. A tag is a key-value pair. The key must be unique within the resource and is case-sensitive.

[Learn more](#)

Key	Value

50 remaining

- Go to `Elastic Beanstalk` service on AWS console.
- Click `Mysampleapp-env` on the left hand menu, and click `Upload and deploy` to update the application. (You can also click `Application versions` on the left hand menu, and then click `Upload` to update but you have to deploy it manually)

Elastic Beanstalk

Elastic Beanstalk > Applications > MySampleApp > Application versions

Info
Created application version mysampleapp-source-V2...

Application versions

<input type="checkbox"/>	Version label	Description	Date created	Source	Deployed to
<input checked="" type="checkbox"/>	mysampleapp-source-V2		2021-08-14T17:29:04+03:00	2021226aCJ-php-v2.zip	-
<input type="checkbox"/>	mysampleapp-source-V1		2021-08-14T16:31+03:00	2021226oIM-php-v1.zip	Mysampleapp-env

- Click `Choose file` and upload php-v2.zip file. Type `mysampleapp-source-V2` for Version label and then click `Deploy`.

Elastic Beanstalk > Applications > MySampleApp > Application versions

Version label	Description	Date created	Actions
<input checked="" type="checkbox"/> mysampleapp-source-V2		2021-08-14T17:29:04+03:00	Delete Deploy (highlighted) Manage tags
<input type="checkbox"/> mysampleapp-source-V1		2021-08-14T16:16:31+03:00	Deployed to 2021226oIM-php-v2.zip - Deployed to 2021226oIM-php-v1.zip Mysampleapp-env

Deploy Application Version

Version label: mysampleapp-source-V2

Environment: Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com

Cancel Deploy

- Wait for Elastic Beanstalk to update the application.
- After the update completed click the link (Application URL) and show the Updated Web Page.
- Click `Mysampleapp` >> `Application versions` and show we have one app but two versions.

Ssyfamiza gidiyoruz
Application updated yaziyor onu goruyoruz

Step 2 - Connect to the EC2 instance hosting the App

- Click `Mysampleapp-env` >> `Configuration` on the left hand menu, from `Security` Category click `Edit`.
- `Virtual machine permissions` >> `EC2 key pair` select your key pair and click `Apply`.
- Go to `EC2` service on AWS console.
- Copy the Public IP of the instance (Launched by Elastic Beanstalk).
- Open your terminal and connect to the instance.

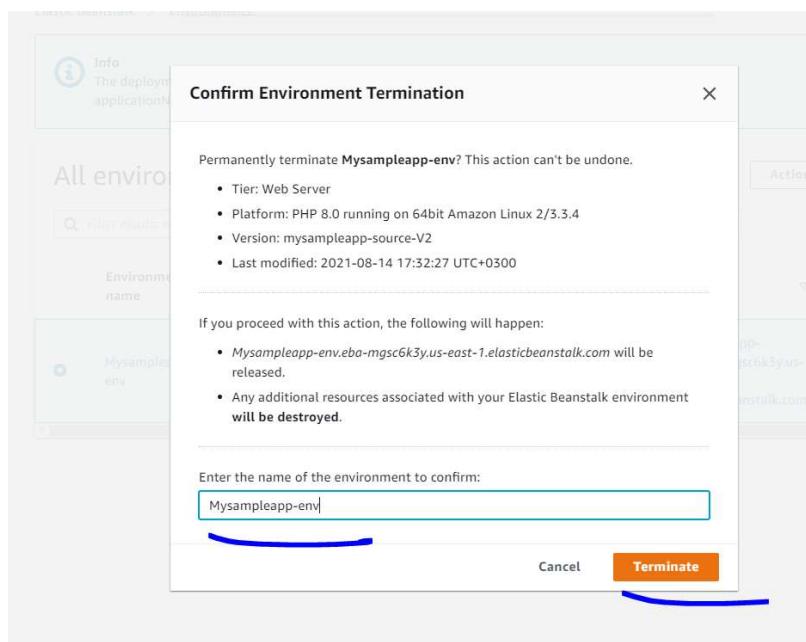
The screenshot shows the AWS Elastic Beanstalk interface. On the left, there's a sidebar with options like Environments, Applications, Change history, and specific sections for MySampleApp and Mysampleapp-env. Under Mysampleapp-env, the 'Events' option is selected. The main area is titled 'Events' and shows a table of recent events. The table has columns for Time, Type, and Details. The details column contains descriptions of the deployment process, such as 'Environment health has transitioned from Info to Ok.' and 'New application version was deployed to running EC2 instances.'

Time	Type	Details
2021-08-14 17:33:46 UTC+0300	INFO	Environment health has transitioned from Info to Ok. Application update completed 61 seconds ago and took 11 seconds. 100.0 % of the requests to the ELB are erroring with HTTP 4xx. Insufficient request rate (0.5 requests/min) to determine application health (5 minutes ago).
2021-08-14 17:32:46 UTC+0300	INFO	Environment health has transitioned from Ok to Info. Application update in progress (running for 2 seconds). 100.0 % of the requests to the ELB are erroring with HTTP 4xx. Insufficient request rate (0.5 requests/min) to determine application health (4 minutes ago).
2021-08-14 17:32:27 UTC+0300	INFO	Environment update completed successfully.
2021-08-14 17:32:27 UTC+0300	INFO	New application version was deployed to running EC2 instances.
2021-08-14 17:32:23 UTC+0300	INFO	Instance deployment completed successfully.
2021-08-14 17:32:20 UTC+0300	INFO	Instance deployment: You didn't include a 'composer.json' file in your source bundle. The deployment didn't install Composer dependencies.
2021-08-14 17:32:17 UTC+0300	INFO	Deploying new version to instance(s).
2021-08-14 17:32:12 UTC+0300	INFO	Environment update is starting.
2021-08-14 17:18:46 UTC+0300	INFO	Environment health has transitioned from Info to Ok.
2021-08-14 17:17:46 UTC+0300	INFO	Removed instances [i-0582a4cf8445cde47, i-09ccc28cf09c2570c] from your environment.

Part 3 - Terminate the Environment

Step 1 - Terminate the Environment

- Go to `Elastic Beanstalk` service on AWS console.
- Click `Mysampleapp-env` on the left hand menu, from the Actions select `Terminate environment`. (You can also click `Environments` on the left hand menu, select `Mysampleapp-env` and then from the Actions select `Terminate environment` to delete AWS resources.)
- Read the confirmation message and type the name of the environment into the box and click `Terminate`.
- Wait for Elastic Beanstalk to terminate the environment and show events in `Recent events`.



The screenshot shows the AWS CloudWatch Metrics interface for an environment named 'mysampleapp-source-V2'. The top section displays the environment's status as 'Info', with a 'Causes' button. Below this, the 'Running version' is listed as 'mysampleapp-source-V2' with a 'Upload and deploy' button. The 'Platform' section shows 'PHP 8.0 running on 64bit Amazon Linux 2/3.3.4' with a 'Change' button. The middle section, titled 'Recent events', lists four entries:

Time	Type	Details
2021-08-14 17:44:45 UTC+0300	WARN	Environment health has transitioned from Info to Degraded. Terminate in progress (running for 2 minutes). No data received from 1 out of 2 instances.
2021-08-14 17:44:45 UTC+0300	INFO	Removed instance [i-05253c62eec77fc48] from your environment.
2021-08-14 17:42:45 UTC+0300	INFO	Environment health has transitioned from Ok to Info. Terminate in progress (running for 14 seconds).

Instance lar da terminate oldu

Instances (4) Info							
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Mysampleapp-env	i-00900f6ef7970f838	⊖ Terminated QQ	t2.micro	-	No alarms +	us-east-1d
<input type="checkbox"/>	Mysampleapp-env	i-0582a4cf8445cde47	⊖ Terminated QQ	t2.micro	-	No alarms +	us-east-1b
<input type="checkbox"/>	Mysampleapp-env	i-05253c62eec77fc48	⊖ Terminated QQ	t2.micro	-	No alarms +	us-east-1b
<input type="checkbox"/>	Mysampleapp-env	i-09ccc28cf09c2570c	⊖ Terminated QQ	t2.micro	-	No alarms +	us-east-1a

Step 2 - Restore Environment

- Click `Environments` on the left hand menu, select terminated `Mysampleapp-env` and then from Actions menu select `Restore`.
(`The terminated environment will remain visible for about an hour.)`
- Show the environment is deployed and working again.

Terminate olan env i tekrar restore yapıyoruz

Screenshot of the AWS Elastic Beanstalk console showing the environments page. A success message is displayed: "The deployment to Mysampleapp-env started successfully. See the href="#/environment/events?applicationName=MySampleApp&environmentId=e-irfhq3tt3m" events page;a#62;." The table lists one environment: "Mysampleapp-env (terminated)". The Actions menu for this environment includes options like Load configuration, Save configuration, Swap environment URLs, Clone environment, Abort current operation, Restart app server(s), Rebuild environment, Terminate environment, and Restore environment.

Screenshot of the AWS Elastic Beanstalk console showing the details for the "Mysampleapp-env" environment. The environment is currently updating. The Health section shows an Unknown status with a refresh icon. The Running version is "mysampleapp-source-V2". The Platform is PHP 8.0 running on 64bit Amazon Linux 2/3.3.4. The Recent events table shows three log entries: "restoreEnvironment is starting.", "terminateEnvironment completed successfully.", and "Deleting SNS topic for environment Mysampleapp-env."

APPLICATIONUN 2 versiyonu aynı anda aynı environmentda kullanılmıyor. Aynı environment sectigizde bir oncekini degrade ediyor.

The screenshot shows the AWS EC2 Instances page. The left sidebar includes links for EC2 Dashboard, Events, Tags, Limits, Instances (selected), Instances (New), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances (New), Dedicated Hosts, Scheduled Instances, and Capacity Reservations. The main content area displays a table titled 'Instances (6) Info' with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Six instances are listed, all named 'Mysampleapp-env'. The first two instances have a green circle with a checkmark next to 'Running'. The third instance has a blue underline under 'Running'. The fourth instance has a blue underline under 'Status check'. The fifth instance has a blue underline under 'Instance state'. The sixth instance has a blue underline under 'Running'.

Yeni instance actigini goruyoruz.

Tekrar v1 i deploy edebiliriz. V2 icin yaptigimiz isleme yapinca bu sefer v1 tekrar calisiyor

The screenshot shows the AWS Elastic Beanstalk Environment page for 'Mysampleapp-env'. The left sidebar lists environments, applications, and configurations for 'MySampleApp' and 'Mysampleapp-env'. The main content area shows the environment details for 'Mysampleapp-env'. It includes a 'Health' section with a green checkmark icon and the word 'Ok', a 'Running version' section showing 'mysampleapp-source-V2', and a 'Platform' section indicating 'PHP 8.0 running on 64bit Amazon Linux 2/3.3.4'. Below these are sections for 'Recent events' and 'Logs'.

Tekrar restore sonrasi hersey normale dondu

PROGRAMI VERIYORUZ AWS BIZIM ICIN HERSEYI YAPIYOR

SINAVLARDA SORULAN KONU: EB: PLATFORM AS A SERVICE

ASAGIDAKILERDEN HANGISI SERVERLESS YAPILADIR DIYE SORULABILIR, LAMBDA ELASTIC BEANSTALK vs OLUYOR. **EB SERVERLESS DEGIL.....**

Step 3 - Delete Application

- Click `Applications` on the left hand menu, select `MySampleApp`. From `Actions` menu select `Delete application`. Enter the name of the application to confirm and click `Delete`.
- Wait for a while and show both the environment and the application is deleted.

Application name	Environments	Date created	Last modified	ARN
MySampleApp	Mysampleapp-env	2021-08-14 16:16:28 UTC+0300	2021-08-14 16:16:28 UTC+0300	arn:aws:elasticbeanstalk:us-east-1:1547187538673:application/MySampleApp

Elastic Beanstalk

Environments Applications Change history

Recent environments Mysampleapp-env

All applications

Info: The deployment to Mysampleapp-env started successfully. See the href="#/environment/events?applicationName=MysampleApp&environmentId=e-irfhq3t3m" events page.

Confirm Application Deletion

Permanently delete MySampleApp? This action can't be undone.

If you proceed with this action, the following environments will be terminated:

- Mysampleapp-env

Enter the name of the application to confirm:

Cancel Delete

Elastic Beanstalk

Environments Applications Change history

MySampleApp

Application versions Saved configurations

Mysampleapp-env

Go to environment Configuration Logs Health Monitoring Alarms Managed updates Events Tags

Recent environments Mysampleapp-env

Mysampleapp-env

Mysampleapp-env.eba-mgsc6k3y.us-east-1.elasticbeanstalk.com (e-irfhq3t3m) Application name: MySampleApp

Health

Ok

Running version

mysampleapp-source-V2

Platform

PHP 8.0 running on 64bit Amazon Linux 2/3.3.4

Recent events

Time	Type	Details
2021-08-14 17:54:37 UTC+0300	INFO	Waiting for EC2 instances to terminate. This may take a few minutes.
2021-08-14 17:54:37 UTC+0300	INFO	Deleted load balancer named: arn:aws:elasticloadbalancing:us-east-1:547187538673:loadbalancer/app/awseb-AWSEBDGZQALK8JT95/66f8f9e271605d8a
2021-08-14 17:54:37 UTC+0300	INFO	Deleted Auto Scaling group policy named: arn:aws:autoscaling:us-east-1:547187538673:scalingPolicy:6c14d191-cf23-4340-8a62-b98945d0ae7b:autoScalingGroupName/awseb-e-irfhq3t3m-stack-AWSEBAutoScalingGroup-19GH0QF65G3D8:policyName/awseb-e-irfhq3t3m-stack-AWSEBAutoScalingScaleUpPolicy-YCM55KSRJ3J7

Instance larda termoinate olmus

Instances (6) Info		C	Connect	Instance state	Actions	Launch instances	
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Mysampleapp-env	i-00900f6ef7970f838	Terminated	t2.micro	-	No alarms	+ us-east-1d
<input type="checkbox"/>	Mysampleapp-env	i-0582a4cf8445cde47	Terminated	t2.micro	-	No alarms	+ us-east-1b
<input type="checkbox"/>	Mysampleapp-env	i-05253c62eec77fc48	Terminated	t2.micro	-	No alarms	+ us-east-1b
<input type="checkbox"/>	Mysampleapp-env	i-09e295a260ae8b779	Terminated	t2.micro	-	No alarms	+ us-east-1b
<input type="checkbox"/>	Mysampleapp-env	i-09ccc28cf09c2570c	Terminated	t2.micro	-	No alarms	+ us-east-1a
<input type="checkbox"/>	Mysampleapp-env	i-0f40252fb1c7402b5	Terminated	t2.micro	-	No alarms	+ us-east-1a

Applicationlarimizi silince her seyi siliyor

HER SEYIMIZ SILINDI

S3 bucketi elle silmemiz gerekiyo geri kalani kendisi stackdeki gibi siliyor.

S3 bucketi silerken bucket policy de delete e izin vermediginden ilk basta silemeyecegiz

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.
• To delete a bucket created with AWS Elastic Beanstalk, you might first need to delete the bucket policy.

[Learn more](#)

Delete bucket "elasticbeanstalk-us-east-1-547187538673"?

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

✖ You don't have permission to delete bucket "elasticbeanstalk-us-east-1-547187538673"

After you or your AWS admin have updated your IAM permissions to allow s3:DeleteBucket, choose **delete bucket**. Learn more about [Identity and Access Management in Amazon S3](#)

If you have s3:DeleteBucket permissions in your IAM policy, but deny it at the bucket level, the bucket policy might include a deny statement for s3:DeleteBucket. Before you can delete the bucket, you must delete the deny s3:DeleteBucket statement or delete the bucket policy.

[API response](#)

[Cancel](#)

Delete bucket

Permissions an bucket policy yi siliyoruz

The screenshot shows the AWS S3 Bucket Properties page for the bucket "elasticbeanstalk-us-east-1-547187538673".

Block Public Access settings for this account:

- Block public access to buckets and objects granted through *new* public bucket or access point policies: **Off**
- Block public and cross-account access to buckets and objects through *any* public bucket or access point policies: **Off**

Bucket policy:

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

```
{  
  "Version": "2008-10-17",  
  "Statement": [  
    {  
      "Sid": "eb-ad78f54a-f239-4c90-adda-49e5f56cb51e",  
      "Effect": "Allow",  
      "Principal": {  
        "AWS": "arn:aws:iam::547187538673:role/aws-elasticbeanstalk-ec2-role"  
      },  
      "Action": "s3:PutObject",  
      "Resource": "arn:aws:s3:::elasticbeanstalk-us-east-1-547187538673/resources/environments/logs/*"  
    },  
    {  
      "Sid": "eb-af163bf3-d27b-4712-b795-d1e53e331ca4",  
      "Effect": "Allow",  
      "Principal": {  
        "AWS": "arn:aws:iam::547187538673:role/aws-elasticbeanstalk-ec2-role"  
      },  
      "Action": [  
        "s3>ListBucket"  
      ]  
    }  
  ]  
}
```

Object ownership:

Assume ownership of new objects uploaded to this bucket. [Learn more](#)

Sonra tekrar deniyoruz

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 "elasticbeanstalk-us-east-1-547187538673"?

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

[Cancel](#)

[Delete bucket](#)

Bucket i silebiliyoruz

Link for deployment policies:

https://blog.shikisoft.com/which_elastic_beanstalk_deployment_should_you_use/