

# Subir una aplicación a Amazon

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## Subir una app

- A través de Amazon EC2
  - Creamos una instancia
  - Almacenamos la clave
  - Arrancamos la instancia
  - Nos conectamos a ella
  - Configuramos la instancia

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# Crear instancia

The screenshot shows the AWS Management Console 'Resources' page for the US East (N. Virginia) region. The page displays a summary of resources: 0 Running Instances, 0 Volumes, 0 Key Pairs, 0 Placement Groups, 0 Elastic IPs, 0 Snapshots, 0 Load Balancers, and 1 Security Group. A 'Launch Instance' button is visible. Below this, the 'Service Health' section shows that the service is operating normally across all availability zones (us-east-1a, us-east-1b, us-east-1c). The 'Account Attributes' and 'Additional Information' sections provide links to documentation, forums, and pricing. A 'Popular AMIs on AWS Marketplace' section lists several AMIs, including SUSE Linux Enterprise Server 11, Couchbase Server, and LAMP Stack powered by BitNami.

# Crear instancia

The screenshot shows the 'Step 1: Choose an Amazon Machine Image (AMI)' wizard in the AWS Management Console. The wizard is titled 'Step 1: Choose an Amazon Machine Image (AMI)' and includes a 'Cancel and Exit' link. Below the title, there is a progress bar with seven steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Tag Instance, 6. Configure Security Group, and 7. Review. The main content area displays a list of AMIs under the 'Quick Start' section. The AMIs listed are: Amazon Linux AMI 2013.09.2, Red Hat Enterprise Linux 6.4, SUSE Linux Enterprise Server 11, Ubuntu Server 12.04.3 LTS, and Ubuntu Server 13.10. Each AMI entry includes a 'Select' button and details such as the AMI ID, architecture (64-bit or 32-bit), root device type, and virtualization type. A 'Feedback' button is located at the bottom right of the page.

# Crear instancia

- Seleccionamos Windows Server

**Microsoft Windows Server 2012 Base - ami-4eb74739** Select

Windows Microsoft Windows 2012 Standard edition with 64-bit architecture. [English] 64-bit

Free tier eligible Root device type: ebs Virtualization type: hvm

Currently selected: t1.micro (up to 2 ECUs, 1 vCPUs, 0.613 GiB memory, EBS only)

### Micro instances

Micro instances are a low-cost instance option, providing a small amount of CPU resources. They are suited for lower throughput applications, and websites that require additional compute cycles periodically, but are not appropriate for applications that require sustained CPU performance. Popular uses for micro instances include low traffic websites or blogs, small administrative applications, bastion hosts, and free trials to explore EC2 functionality.

Size	ECUs	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance
t1.micro	up to 2	1	0.613	EBS only	-	Very Low

Micro instances are eligible for the AWS free usage tier. For the first 12 months following your AWS sign-up date, you get up to 750 hours of micro instances each month. When your free usage tier expires or if your usage exceeds the free tier restrictions, you pay standard, pay-as-you-go service rates.

Cancel Previous **Review and Launch** Next: Configure Instance Details

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# Crear instancia

EC2 Management Console

Services Edit

1. Choose AMI 2. Choose Instance Type 3. Configure Instance **4. Add Storage** 5. Tag Instance 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1

Purchasing option:  Request Spot Instances

Network: vpc-a17976ca (172.31.0.0/16) (default) Create new VPC

Subnet: No preference (default subnet in any Availability Zone) Create new subnet

Public IP:  Automatically assign a public IP address to your instances

IAM role: None

Shutdown behavior: Stop

Enable termination protection:  Protect against accidental termination

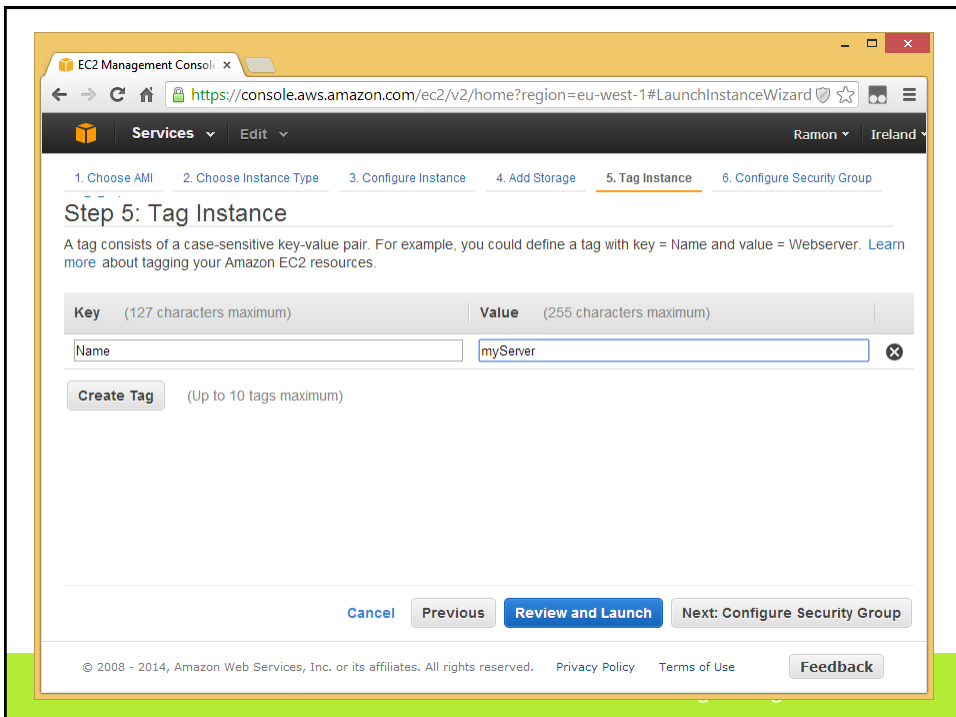
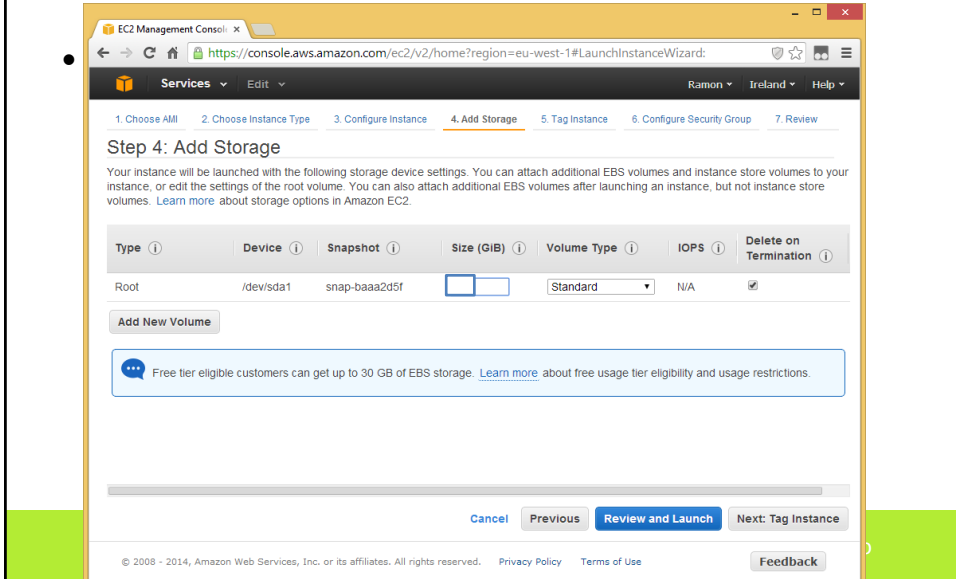
Monitoring:  Enable CloudWatch detailed monitoring

Cancel Previous **Review and Launch** Next: Add Storage

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Feedback

# Crear instancia



EC2 Management Console x

← → ↻ 🏠 <https://console.aws.amazon.com/ec2/v2/home?region=eu-west-1#LaunchInstanceWizard> 🌟 📄 ☰

Services Edit Ramon Ireland

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group

## Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

**Assign a security group:**  Create a **new** security group  
 Select an **existing** security group

**Security group name:**

**Description:**

Type	Protocol	Port Range	Source
RDP	TCP	3389	Anywhere 0.0.0.0/0

Add Rule

**Warning**

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Previous **Review and Launch**

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EC2 Management Console x

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Services Edit Ramon Ireland

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group

## Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**Improve your instance's security. Your security group, myFirstGroup, is open to the world.**

Your instance may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#).

AMI Details [Edit AMI](#)

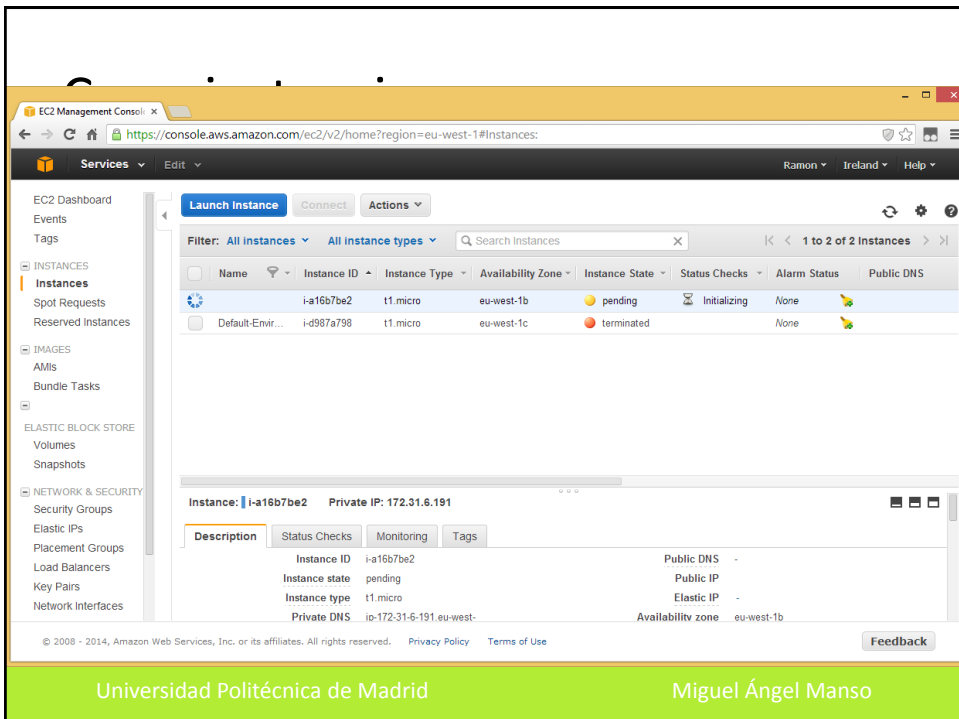
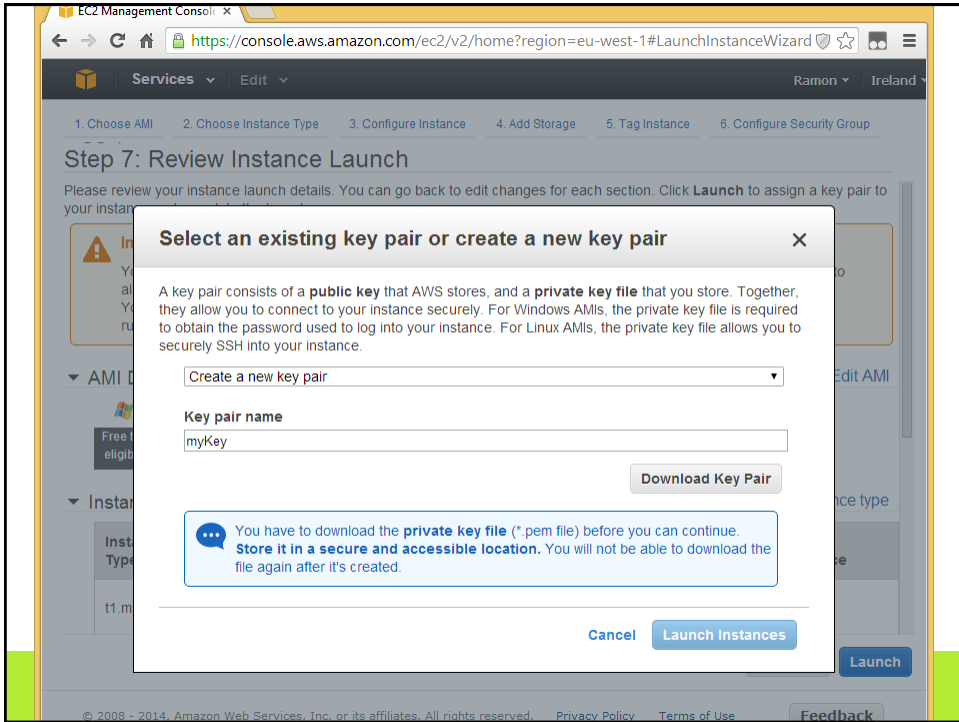
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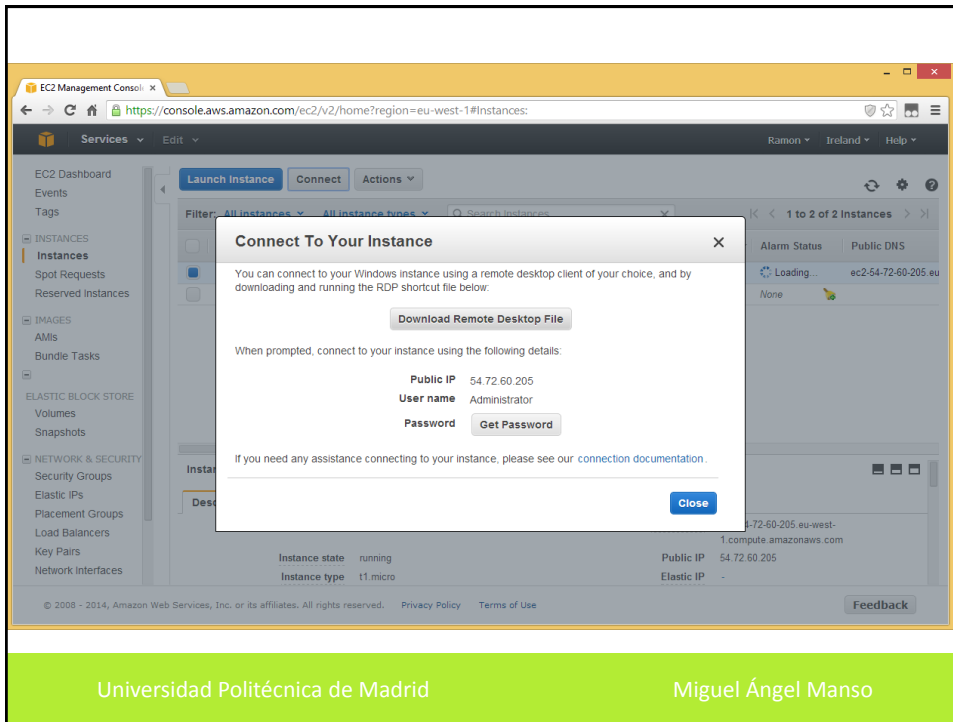
Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance
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Cancel Previous **Launch**

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## Subir una app

- Método rápido: Amazon Elastic Beanstalk

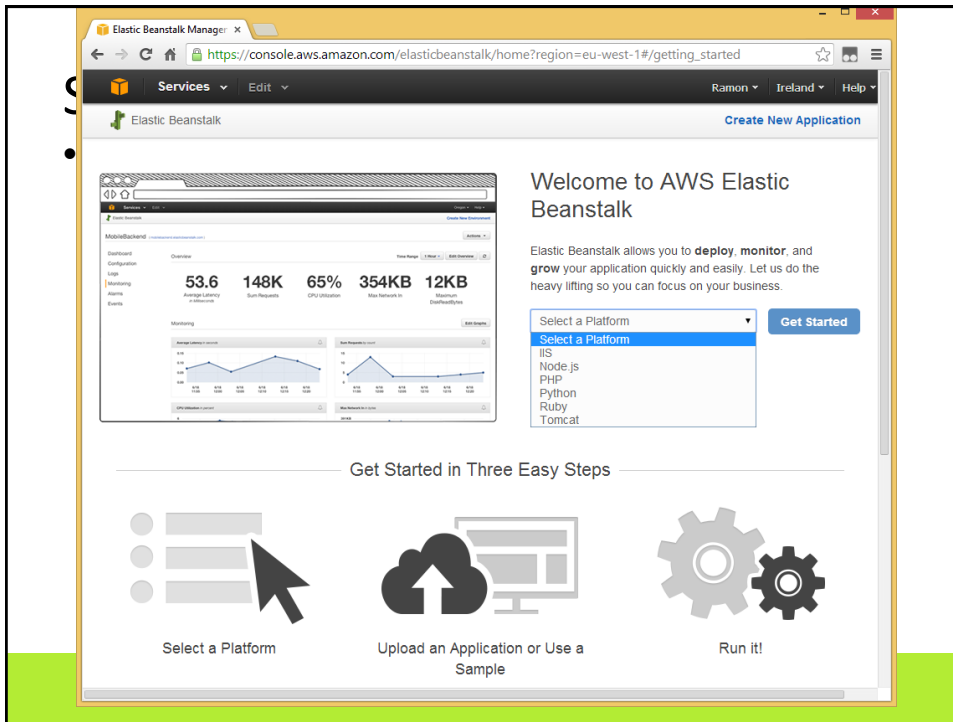
<http://aws.amazon.com/es/elasticbeanstalk/>

Ejecución de la aplicación en Amazon Linux

Servicio y recurso	Unidad	Desglose del coste	Coste
Instancia t1.micro Amazon EC2 Linux	1	0,02 USD/h * 24 horas * 30 días	14,40 USD
Elastic Load Balancer	1	0,025 USD/h * 24 horas * 30 días	18,00 USD
Procesamiento de datos de Elastic Load Balancer	15 GB	0,008 USD/GB * 15 GB	0,12 USD
Volumen de Elastic Block Store	8 GB	0,10 USD/GB * 8GB	0,80 USD
S3 Storage para archivo WAR y Access	1 GB	0,095 USD/1 GB + 0,01 USD por <1k PUT + 0,01 USD por <10k GET	0,115 USD
Banda ancha entrante y saliente	15 GB	Entrante gratuita, 1 GB saliente gratuita + 14 GB * 0,12 USD	1,68 USD
<b>Coste mensual total sin la capa gratuita</b>			<b>35,115 USD</b>
<b>Coste mensual total con la capa gratuita</b>			<b>0 USD</b>

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## Subir una app con Elastic Beanstalk

- Muy importante: **Quitar "Autoscaling"**  
(seleccionar **Single Instance**)

### Welcome to AWS Elastic Beanstalk

Elastic Beanstalk allows you to **deploy, monitor,** and **grow** your application quickly and easily. Let us do the heavy lifting so you can focus on your business.

Tomcat

Elastic Beanstalk will create a load-balancing, autoscaling Tomcat 7 Java 7 environment on 64bit Amazon Linux 2013.09. [Change Defaults](#)

### Welcome to AWS Elastic Beanstalk

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Tomcat

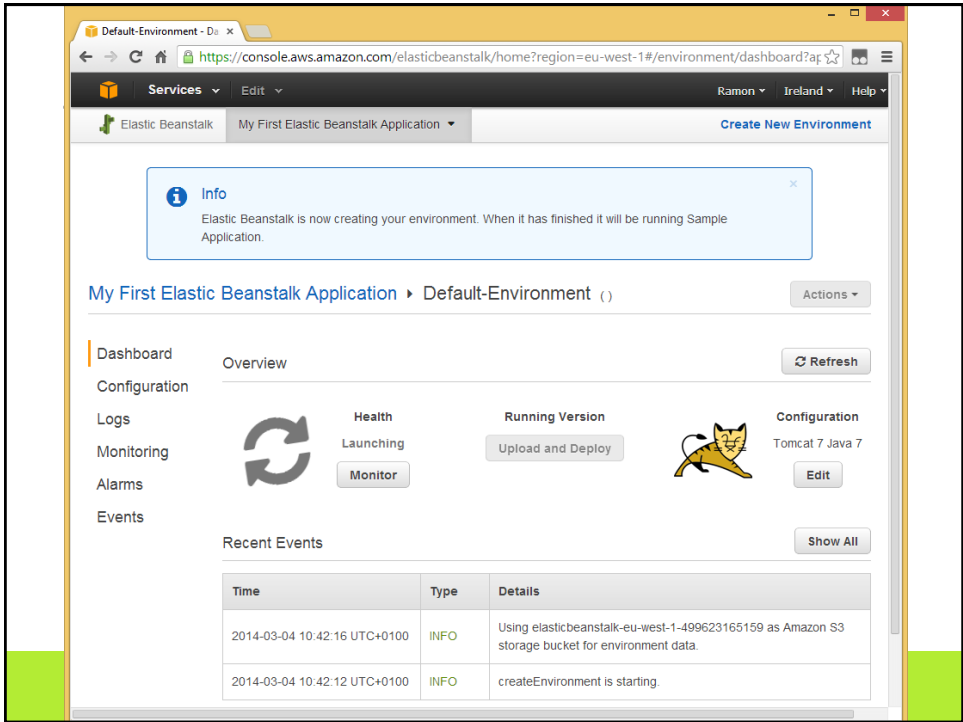
7 Java 7 on 32bit Amazon Linux 2013

Single instance  [Help me choose](#)

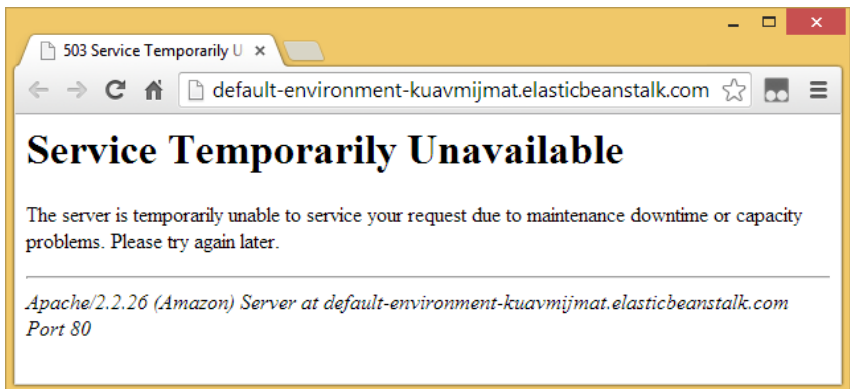
Single instance  
Load balancing, autoscaling







## Subir una app con Elastic Beanstalk



The screenshot shows a web browser window with the URL `default-environment-kuavmijmat.elasticbeanstalk.com`. The main content area has a blue background on the left with the text "Congratulations" and "Your first AWS Elastic Beanstalk Application is now running on your own dedicated environment in the AWS Cloud". On the right, there is a "What's Next?" section with several links: "Learn how to build, deploy and manage your own applications using AWS Elastic Beanstalk", "AWS Elastic Beanstalk concepts", "Learn how to create new application versions", and "Learn how to manage your application environments". Below this is a section for "Download the AWS Reference Application" with a link to "Explore a fully-featured reference application using the AWS SDK for Java". At the bottom, there is an "AWS Toolkit for Eclipse" section with links to "Developers may build and deploy AWS Elastic Beanstalk applications directly from Eclipse", "Get started with Eclipse and AWS Elastic Beanstalk by watching this video", and "View all AWS Elastic Beanstalk documentation".

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## Lo que arranca Elastic Beanstalk

- Using `elasticbeanstalk-eu-west-1-499623165159` as Amazon S3 storage bucket for environment data.
- Created EIP: `54.72.60.16`
- Created security group named: `awseb-e-abgbpyn2pi-stack-AWSEBSecurityGroup-A18W292KKBKQ`
- Adding instance `'i-d987a798'` to your environment.
- New Volume (8GiB) Volume: `vol-d06e64fc`

# Lo que arranca Elastic Beanstalk

