AWS vs Azure

Jesús Rodríguez Heras
Carlos Llamas Jaén
Iván Castillo Caro
Sisic Dino

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AWS

What is AWS?

Amazon Web Services (AWS), is a collection of public cloud computing web services launched by Amazon.

Features of AWS

- Launched 13 years ago.
- Cloud platform, offering over 165 fully featured services from data centers globally.
- Largest community of customers and partners.
- Fastest pace of innovation.
- Most proven operational expertise.
- Only pay for what you use.
- Redundancy anda availability across the world.

AWS

Capacities of AWS

- Highly durable storage: Amazon Glacier, Amazon S3, Amazon EBS
- Low cost computing: Amazon EC2
- High performance data bases: A. Redshift, A. DynamoDB, A. Elasticache, A. RDS
- Managing tools: A. CloudWatch, AWS IAM, AWS Cloudformation, AWS Beanstalk

AWS

Limits of AWS

- **Amazon EC2:** Has limits on both the type of instance (virtual machine) that can be used and the number of hours in a month (750 Linux/750 Windows).
- **Amazon S3:** You have a limit on the amount of storage that can be used and the frequency with which you can call certain operations each month.
- **Amazon RDS:** You have a limit of 750 hours per month during the first 12 months. Turning on an instance three hours is the same as turning on an instance three times in one hour.

Azure

What is Azure?

It is a collection of public cloud computing web services launched by Microsoft.

Features of Azure

- Launched in 2010.
- Collection of various cloud computing service.
- Integrated suite of tools, templates, and managed services.
- It provides software as a service (SaaS), platform as a service (PaaS) and infrastructure as a service (IaaS).
- Ideal for businesses that utilize Windows or Linux for their operations.
- Has over 100 services equipped with end-to-end features.

Azure

Capacities of Azure

- Build websites with ASP.NET, PHP or Node.js.
- Migrate applications and infrastructure.
- SQL Database.
- Caching.
- CDN.
- Virtual Network.
- Deploy and run Windows Server and Linux virtual machines.
- Mobile Services.
- Cloud Services.
- Business Analytics.
- Hadoop.
- Media Services.

Azure

Limits of Azure

In the student version, Azure has the following limits:

- 750 hours of virtual machines for both Linux and Windows.
- 128GB of SSD storage.
- 250GB of a standard S0 instance of SQL databases.
- 1500 hours of dynamic IP for virtual machines.

Índice

Creación de máquinas virtuales en AWS

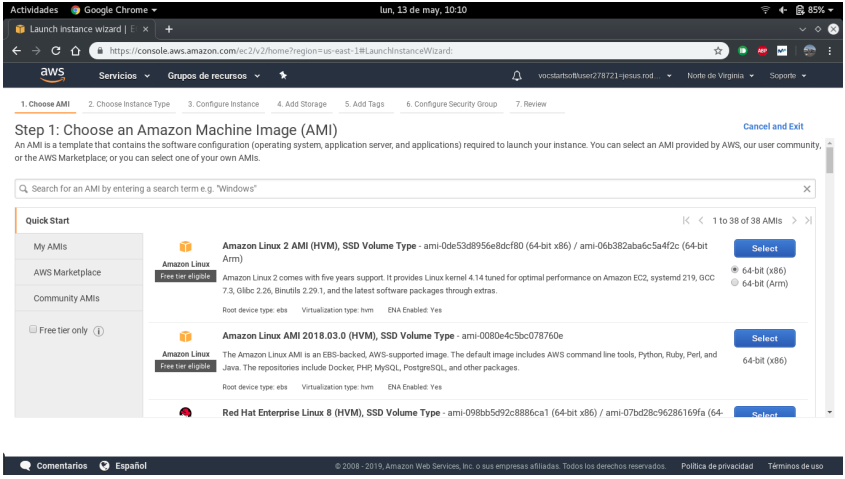


Figura: Selección de sistema operativo.

Creación de máquinas virtuales en AWS

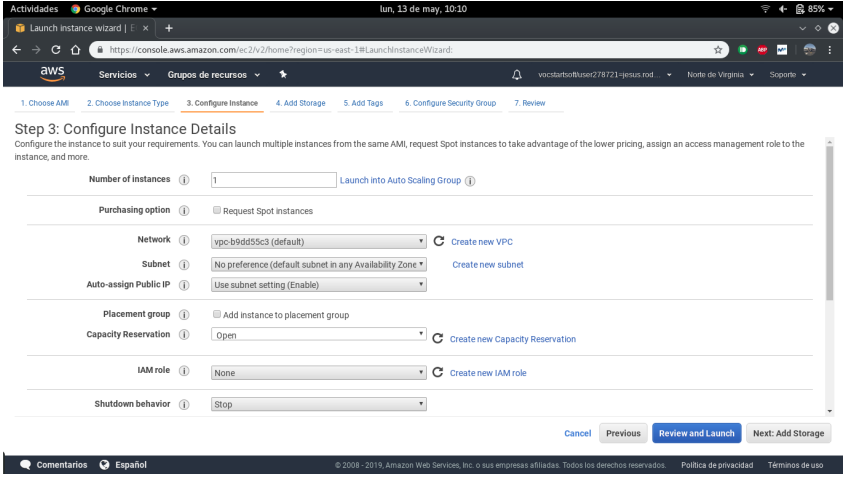


Figura: Configurar detalles.

Creación de máquinas virtuales en AWS

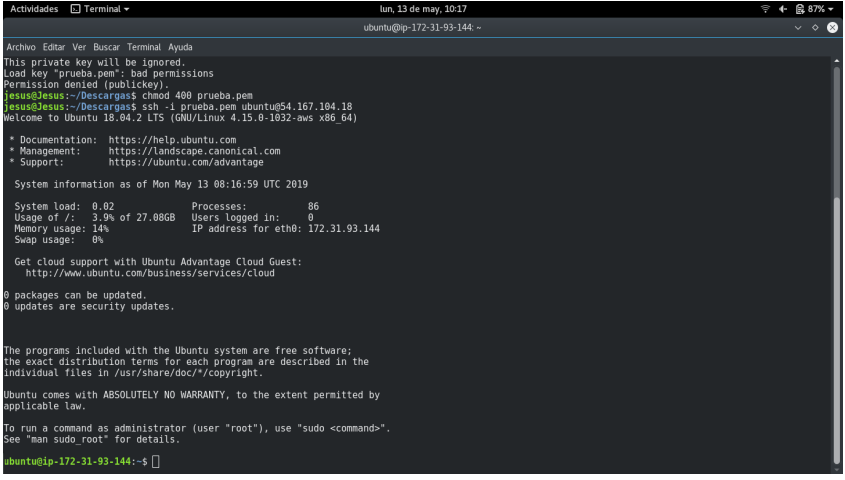


Figura: Conexión por SSH.

Creación de máquinas virtuales en Azure

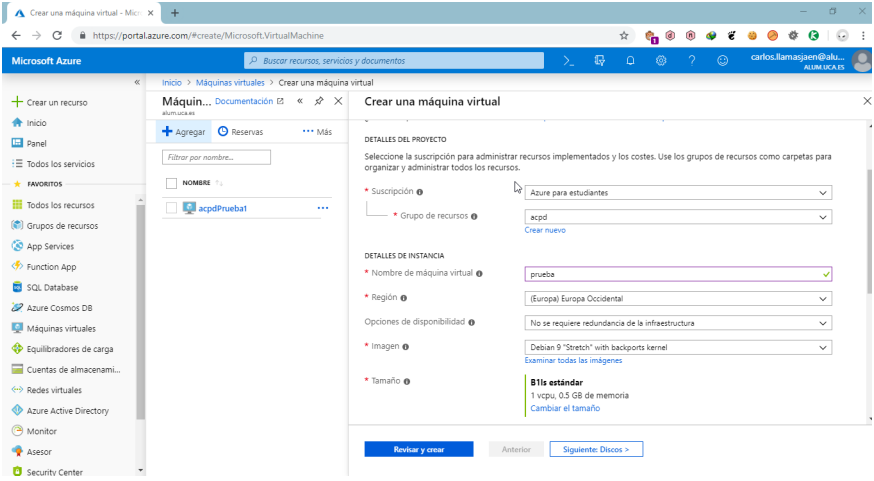


Figura: Selección de sistema operativo.

Creación de máquinas virtuales en Azure

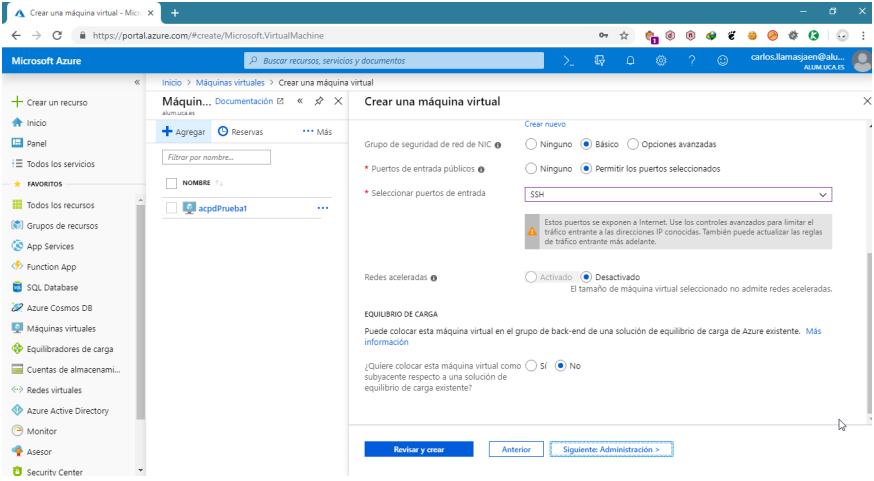


Figura: Selección como equilibrio de carga.

Creación de máquinas virtuales en Azure

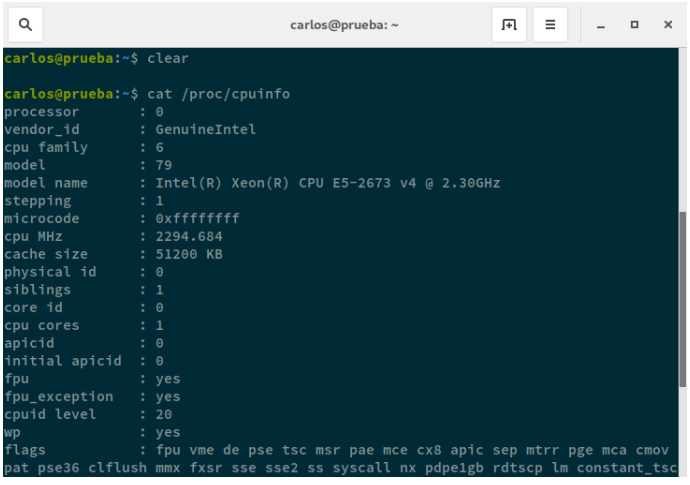


Figura: Conexión por SSH.

Web Services

What are web services?

- Piece of software that makes itself available over the internet.
- Uses a standardized XML messaging system.
- Are not tied to any OS, so they work independently and concurrently.
- Are built on top of open standards such as TCP/IP, HTTP, Java, HTML, and XML.

Components

- SOAP (Simple Objet Protocol).
- UDDI (Universal Description, Discovery and Integration).
- WSDL (Web Services Description Language).

Creación de webs en AWS

Eventos recientes

Mostrar todo

Hora	Tipo	Detalles
21-05-2019 00:28:19 UTC+0200	INFO	Launched environment: PruebaAcpd2-env. However, there were issues during launch. See event log for details.
21-05-2019 00:28:17 UTC+0200	ERROR	Creating EIP. 18.211.211.226 failed. Reason: Resource creation cancelled
21-05-2019 00:28:17 UTC+0200	ERROR	Creating Auto Scaling launch configuration failed Reason: API: autoscaling:CreateLaunchConfiguration User: arn:aws:sts::742345703652:assumed-role/vocstartsoft/user278720=carlos.llamasjaen@alum.uca.es is not authorized to perform: autoscaling:CreateLaunchConfiguration on resource: arn:aws:autoscaling:us-east-1:742345703652:launchConfiguration:*:launchConfigurationName/awseb-e-w7kskpcwp9-stack-AWSEBAutoScalingLaunchConfiguration-1TK4766OQA4A
21-05-2019 00:28:17 UTC+0200	ERROR	Stack named 'awseb-e-w7kskpcwp9-stack' aborted operation. Current state: 'CREATE_FAILED' Reason: The following resource(s) failed to create: [AWSEBAutoScalingLaunchConfiguration, AWSEBEIP].
21-05-2019 00:28:01 UTC+0200	INFO	Created security group named: awseb-e-w7kskpcwp9-stack-AWSEBSecurityGroup-1RMU82R0MORUF

Figura: Error en la creación de aplicación web de AWS.

Creación de webs en Azure

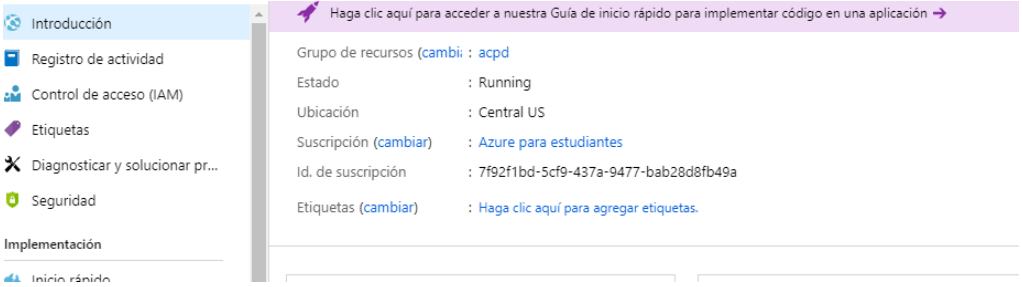


Figura: Centro de aplicaciones web de Azure.

Creación de webs en Azure

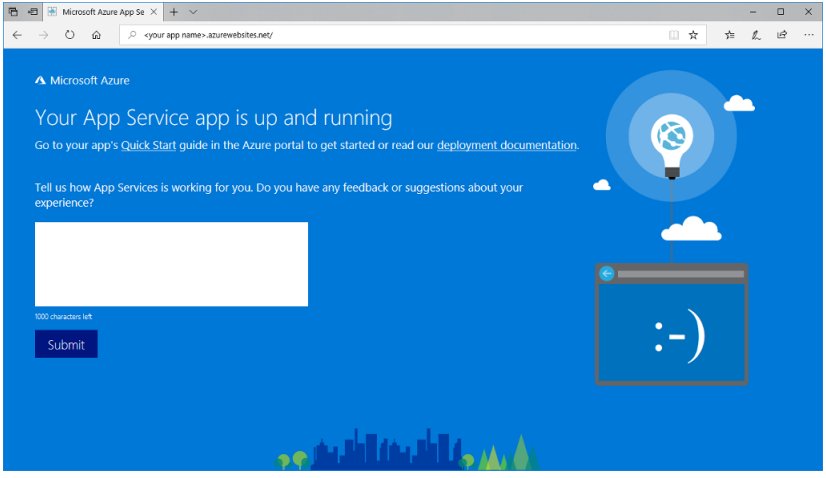


Figura: Ejemplo de web.

Creación de servicios IoT en AWS

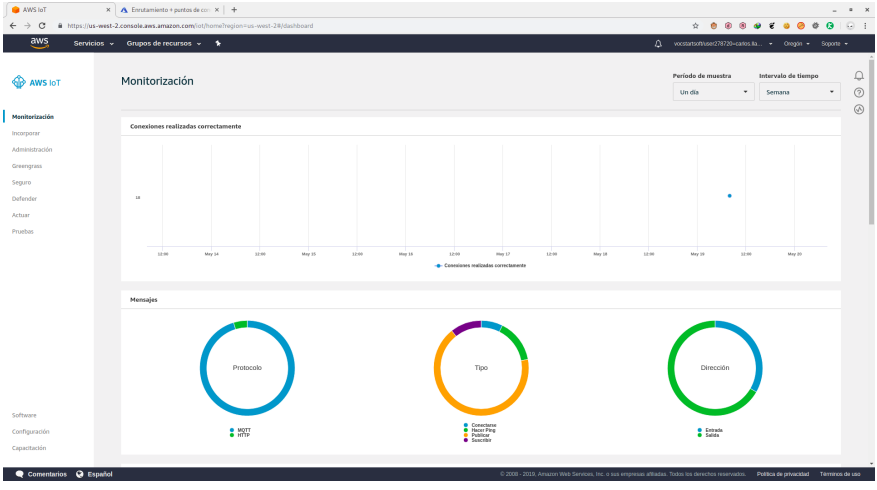


Figura: Centro de control de IoT de AWS.

Creación de servicios IoT en AWS

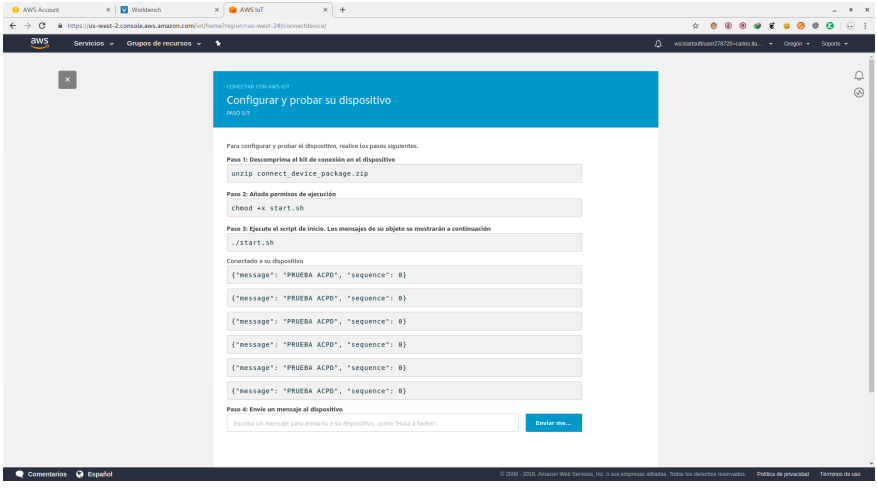
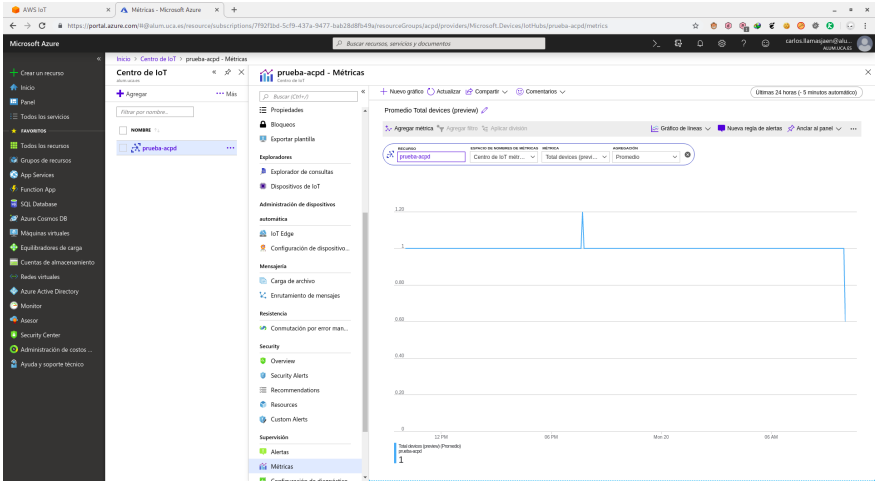


Figura: Dispositivos IoT de AWS.

Creación de servicios IoT en Azure



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Creación de servicios IoT en Azure

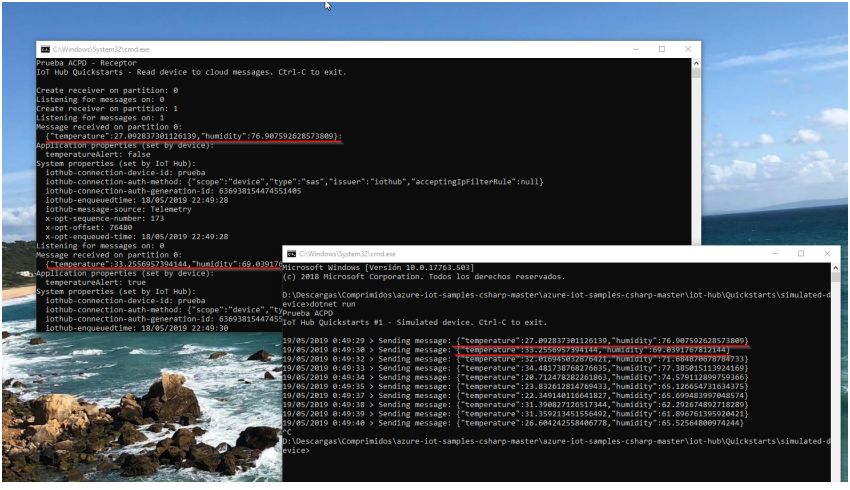

Figura: Dispositivo de IoT de Azure.