

# Universidad Autónoma de Baja California

## Facultad de Ciencias Químicas e Ingeniería

Plan de Ingeniero en Software y Tecnologías Emergentes



### **Materia**

Computo en la nube

### **Modulo 12**

Usando Elastic Beanstalk y  
Cloudformation

### **Docente**

Carlos Francisco Alvarez Salgado

### **Presentado por:**

Luis Eduardo Galindo Amaya (1274895)

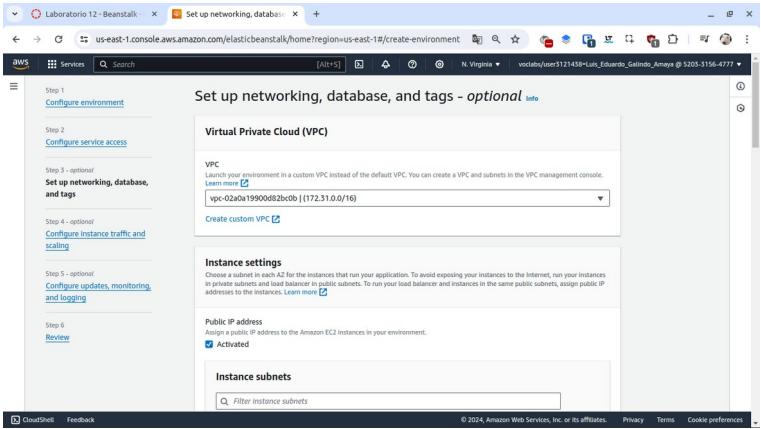
## Creando elastic bean con el entorno de PHP

The screenshot shows the 'Configure environment' page in the AWS Management Console. The left sidebar lists steps: Step 1 (Configure environment), Step 2 (Configure service access), Step 3 (optional: Set up networking, database, and tags), Step 4 (optional: Configure instance traffic and scaling), Step 5 (optional: Configure updates, monitoring, and logging), and Step 6 (Review). The main content area is titled 'Configure environment' and includes an 'Environment tier' section with two options: 'Web server environment' (selected) and 'Worker environment'. Below this is the 'Application information' section, which has a text input for 'Application name' containing 'MyLabApp' and a section for 'Application tags (optional)'.

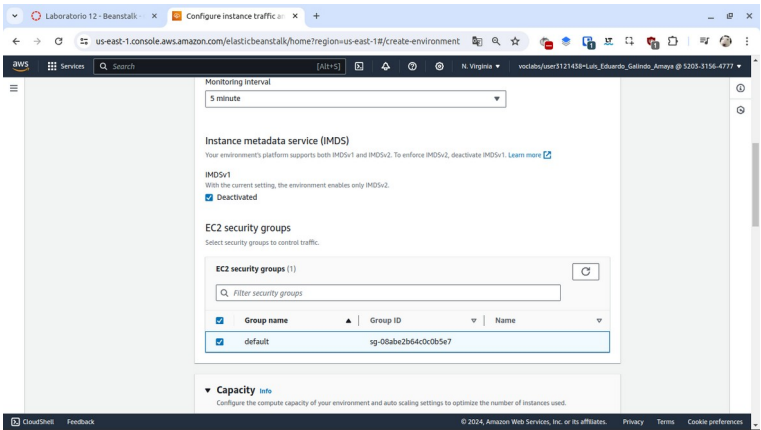
## configurando el service acces

The screenshot shows the 'Configure service access' page in the AWS Management Console. The left sidebar lists steps: Step 2 (Configure service access), Step 3 (optional: Set up networking, database, and tags), Step 4 (optional: Configure instance traffic and scaling), Step 5 (optional: Configure updates, monitoring, and logging), and Step 6 (Review). The main content area is titled 'Service access' and includes a 'Service role' section with two options: 'Create and use new service role' and 'Use an existing service role' (selected). Below this is the 'EC2 key pair' section with a dropdown menu showing 'vockey' and a 'View permission details' button. At the bottom, there are buttons for 'Cancel', 'Skip to review', 'Previous', and 'Next'.

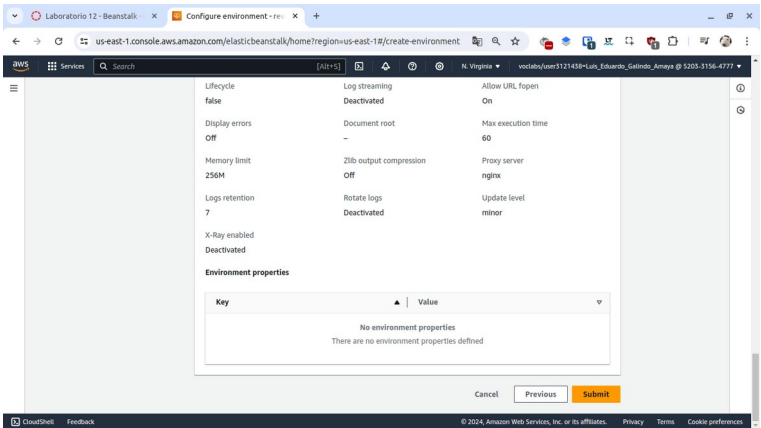
Configurando la red



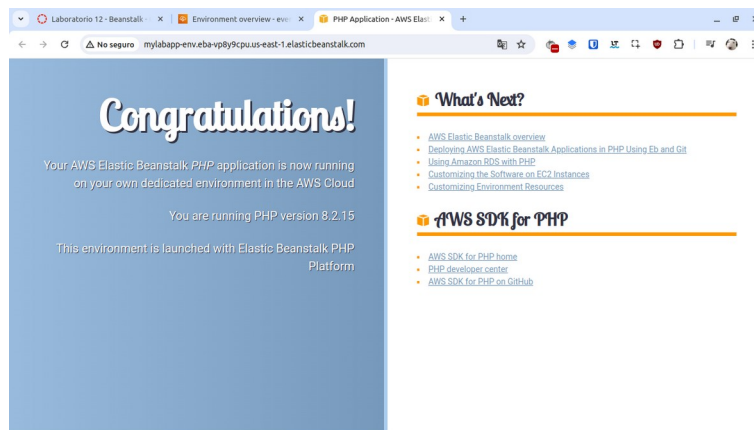
agregando el security group



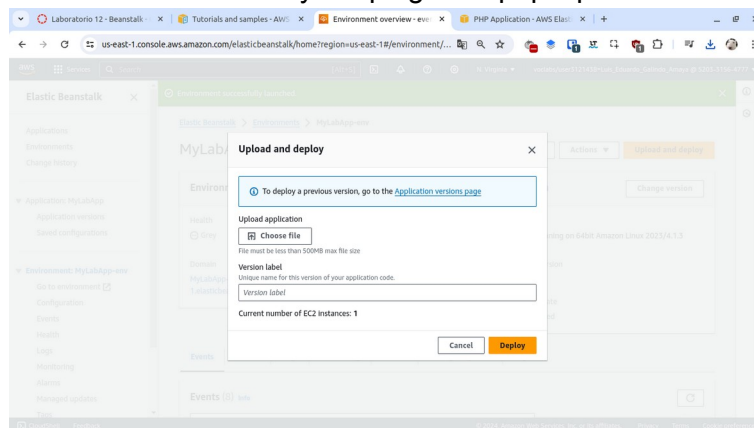
creando instancia



pagina creada

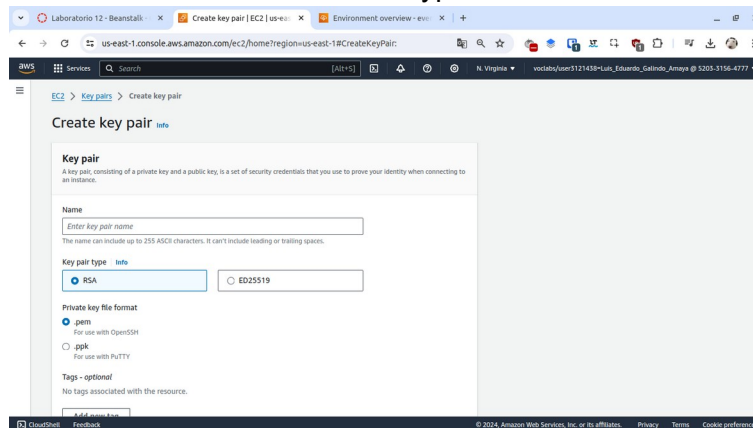


subiendo y desplegando php.zip<sup>1</sup>

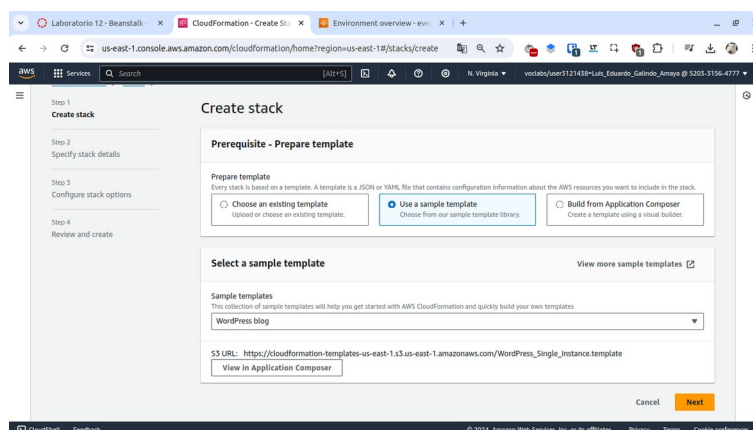
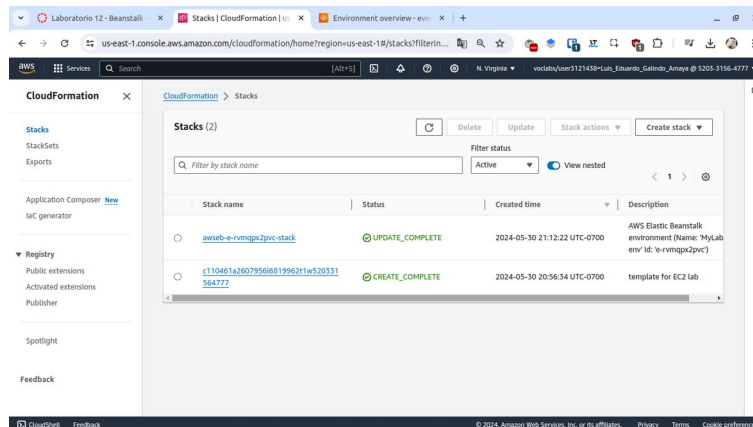


<sup>1</sup> <https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/tutorials.html>

## creando keypairs



## creando stacks



## instalando la base de datos

The screenshot shows the AWS CloudFormation console with the 'WordPressStack' creation form. The form includes the following fields:

- DBName**: The WordPress database name (wordpressdb)
- DBPassword**: The WordPress database admin account password (masked)
- DBRootPassword**: MySQL root password (Enter String)
- DBUser**: The WordPress database admin account username (masked)
- InstanceType**: WebServer EC2 instance type (t2.small)
- KeyName**: Name of an existing EC2 KeyPair to enable SSH access to the instances (CFlearner)
- SSHLocation**: (Empty field)

## instancia de workpress creado

The screenshot shows the AWS CloudFormation console with the 'WordPressStack' creation progress. The 'Stacks' list on the left shows 'WordPressStack' with a status of 'CREATE\_IN\_PROGRESS'. The 'Events' tab on the right shows a single event with the status 'CREATE\_IN\_PROGRESS'.

Timestamp	Logical ID	Status	Detailed status
2024-05-30 21:39:21 UTC-0700	WordPressStack	CREATE_IN_PROGRESS	S