# Activitat 1: Desplegament d'un CMS (wordpress) sobre EC2

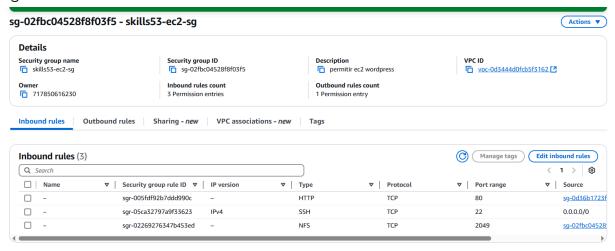
Crear VPC

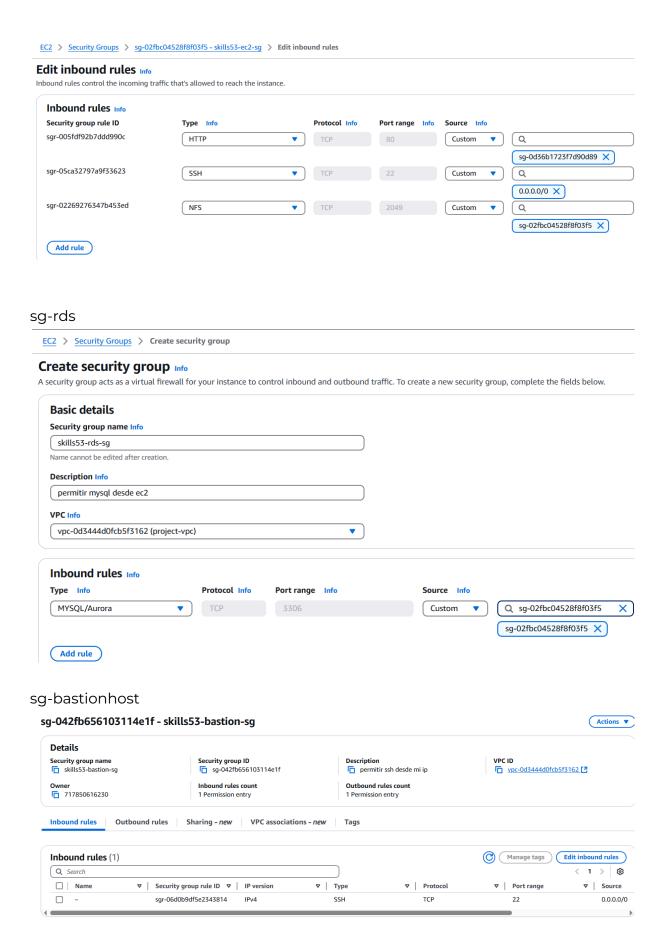
#### Crear SG

### sg-alb

## Create security group Info A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below. **Basic details** Security group name Info skills53-alb-sg Name cannot be edited after creation. **Description Info** permitir http/https desde internet vpc-0d3444d0fcb5f3162 (project-vpc) Inbound rules Info Type Info Protocol Info Port range Info Source Info HTTP Anywh... 0.0.0.0/0 × HTTPS Anywh... 🔻 0.0.0.0/0 🗙 Add rule

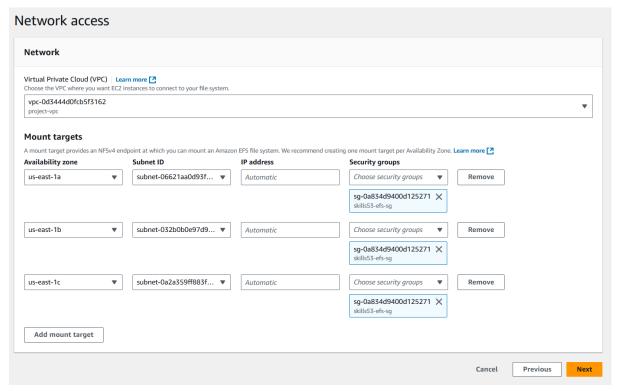
#### sg-ec2

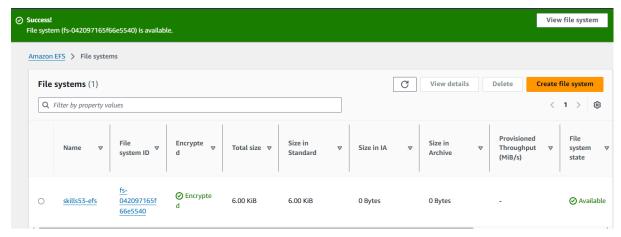




#### Crear efs

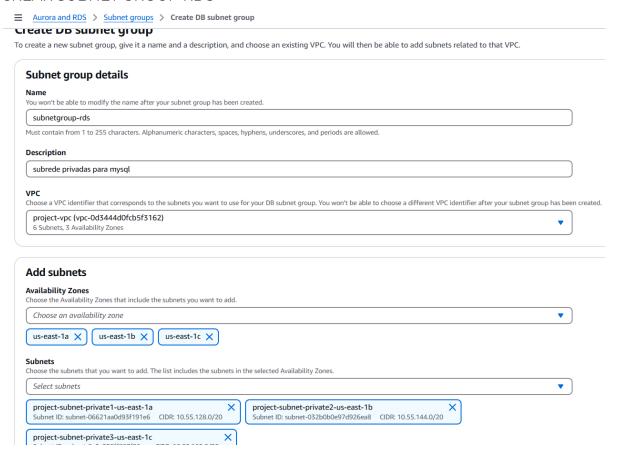
Add rule



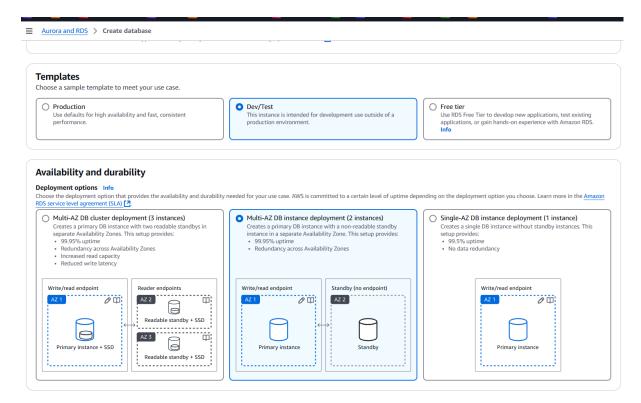


EFS proporciona almacenamiento compartido para que todas las ec2 de wordpress puedan acceder a los mismos archivos.

#### **CREAR SUBNET GROUP RDS**

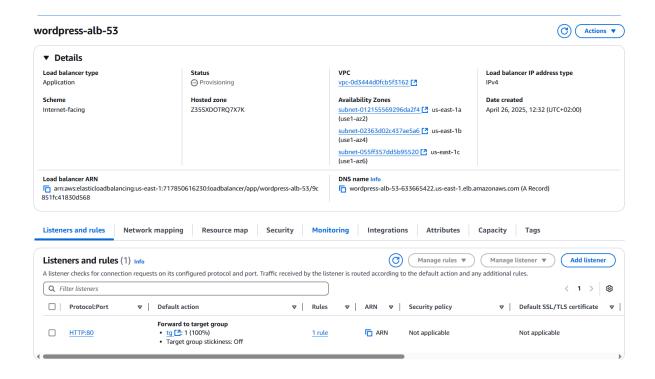


#### **CREAR RDS**

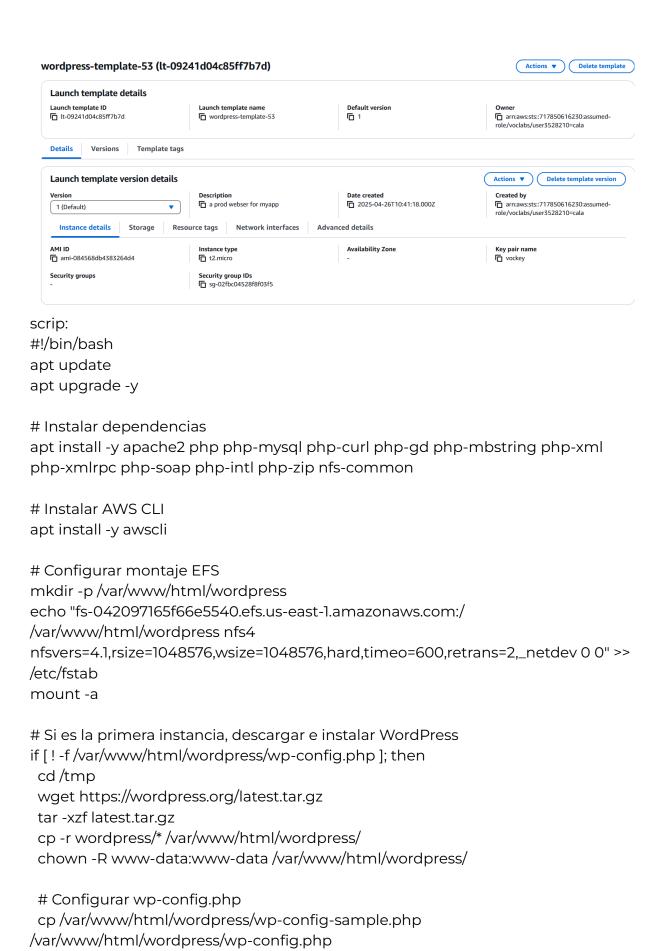


RDS Multi-AZ proporciona alta disponibilidad para la base de datos, con una réplica en espera en otra zona de disponibilidad.

### CREA ALB y TG

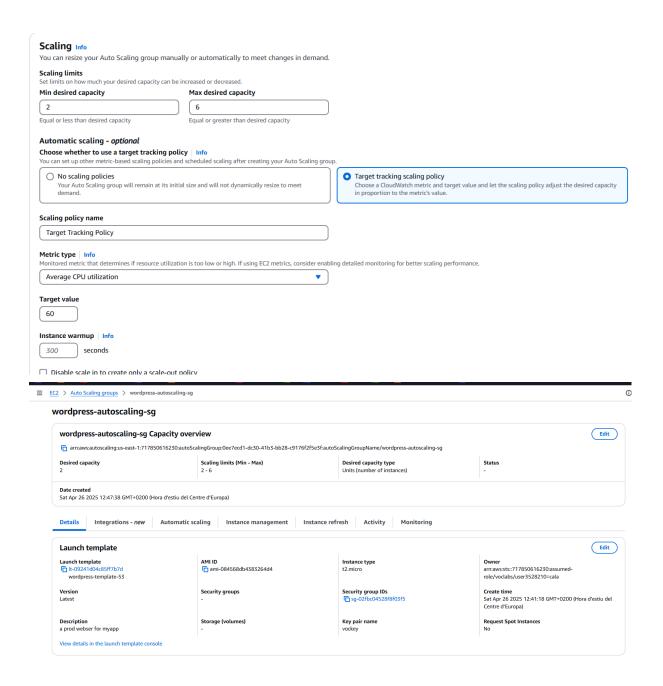


CREAR UN TEMPLATE DE LANZAINEDO PARA EC2



```
sed -i "s/database_name_here/wordpress/"
/var/www/html/wordpress/wp-config.php
 sed -i "s/username_here/wordpressadmin/"
/var/www/html/wordpress/wp-config.php
 sed -i "s/password_here/LnHfpeccPQKk0Uasc3tO/"
/var/www/html/wordpress/wp-config.php
 sed -i "s/localhost/wordpress.c5y99z4gvpom.us-east-1.rds.amazonaws.com/"
/var/www/html/wordpress/wp-config.php
 # Añadir claves de autenticación
 SALT=$(curl -s https://api.wordpress.org/secret-key/1.1/salt/)
 SALT="${SALT//\$/\\$}"
 sed -i "/define( 'AUTH_KEY'/,/define( 'NONCE_SALT'/ d"
/var/www/html/wordpress/wp-config.php
 echo "$SALT" >> /var/www/html/wordpress/wp-config.php
 # Configurar para múltiples servidores
 echo "define('FS_METHOD', 'direct');" >> /var/www/html/wordpress/wp-config.php
fi
# Configurar Apache
cat > /etc/apache2/sites-available/wordpress.conf << EOF
<VirtualHost *:80>
  DocumentRoot /var/www/html/wordpress
  <Directory /var/www/html/wordpress>
    AllowOverride All
    Require all granted
  </Directory>
  ErrorLog \${APACHE_LOG_DIR}/error.log
 CustomLog \${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
FOF
a2ensite wordpress.conf
a2enmod rewrite
systemctl restart apache2
# Mostrar finalización
echo "Instalación de WordPress completada"
```

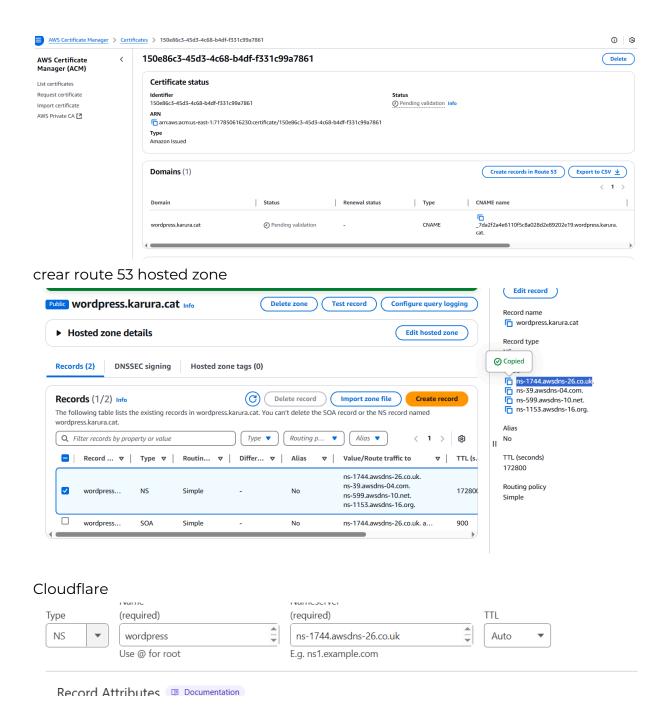
Crear grupo de auto scaling



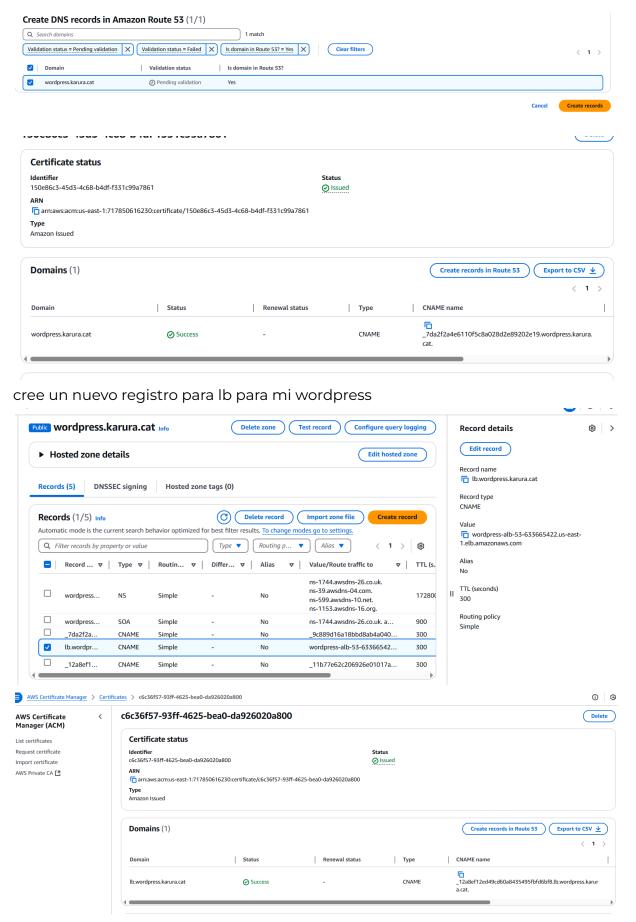
Auto scaling group mantiene el numero deseeado de ec2 y las escala automaitimente segun la carga de cpu.

infraestrcutura creada

crear certificado acm



emitir el certificado



listo

acm proporciona certifacdo ssl gratuiso para aceder a con servico aws como el alb

#### configurar lb

