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Manejo de Nginx y Tomcat desde AWS Learner Lab

1. Datos de la instancia EC2

Rellena con la información de tu instancia.asffa

- AMI utilizada:
- Tipo de instancia:
- IP pública:
- Clave (.pem):
- Puertos abiertos: 22(SSH), 8080(TCP)

[Captura 1: instancia en running]

2. Instalar nginx

Comando utilizado: sudo apt install nginx

Instalo en primer lugar el servicio nginx

```
ubuntu@ip-172-31-69-37:/opt/tomcat/webapps/hola-mundo/WEB-INF/classes$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  nginx-common
Suggested packages:
  fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  nginx nginx-common
0 upgraded, 2 newly installed, 0 to remove and 0 not upgraded.
Need to get 564 kB of archives.
After this operation, 1596 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx-common all 1.24.0-2ubuntu7.5 [43.4 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx amd64 1.24.0-2ubuntu7.5 [520 kB]
Fetched 564 kB in 0s (22.0 MB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 118936 files and directories currently installed.)
Preparing to unpack .../nginx-common_1.24.0-2ubuntu7.5_all.deb ...
Unpacking nginx-common (1.24.0-2ubuntu7.5) ...
```

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3. Abrir Puerto 80

Abrimos el Puerto 80 para que nos permita acceder desde el navegador

Regla de entrada 3

Eliminar

ID de la regla del grupo de seguridad	Tipo	Información	Protocolo	Información
-	TCP personalizado	▼	TCP	
Intervalo de puertos	Tipo de origen	Información	Origen	Información
80	Personalizada	▼	Search	
Descripción: opcional Información				
<input type="text"/>				
Agregar regla				



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

4. Sitio

Comandos: sudo nano /etc/nginx/sites-available/default

Modifico el Bloque location para que redireccione al sitio creado anteriormente

```
ubuntu@ip-172-31-69-37:~/etc$ nano /etc/nginx/sites-available/default
GNU nano 7.2
#
# include snippets/snakeoil.conf;

root /var/www/html;

# Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;

server_name _;

location / {
    proxy_pass http://localhost:8080/hola-mundo/;
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
}

# First attempt to serve request as file, then
# as directory, then fall back to displaying a 404.

# pass PHP scripts to FastCGI server
#
#location ~ \.php$ {
#    include snippets/fastcgi-php.conf;
#
#    # With php-fpm (or other unix sockets):
#}
```

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5. Reinicio Nginx

Comandos: sudo systemctl restart nginx

Reinicio el servicio Nginx para que se actualicen los cambios y compruebo en el navegador si funciona

```
ubuntu@ip-172-31-69-37:/etc$ sudo systemctl restart nginx
```

