

4 - HANDS ON: CRIANDO UM WEBSERVER COM WORDPRESS

aws

- PRIMEIRA ETAPA COMPLETA, CRIAÇÃO DA DATABASE COM 20GB

- AGORA VAMOS CRIAR O SERVIDOR WEB EC2

- VAMOS UTILIZAR UM CODIGO DE BOOTSTRAP

```
#!/bin/bash

yum update -y

yum install httpd php php-mysql -y

cd /var/www/html

echo "Servidor Funcionando" > funcionando.html

wget https://wordpress.org/wordpress-5.1.1.tar.gz

tar -xzf wordpress-5.1.1.tar.gz

cp -r wordpress/* /var/www/html/

rm -rf wordpress

rm -rf wordpress-5.1.1.tar.gz

chmod -R 755 wp-content

chown -R apache:apache wp-content

wget https://s3.amazonaws.com/bucketforwordpresslab-donotdelete/htaccess.txt

mv htaccess.txt .htaccess

service httpd start

chkconfig httpd on
```

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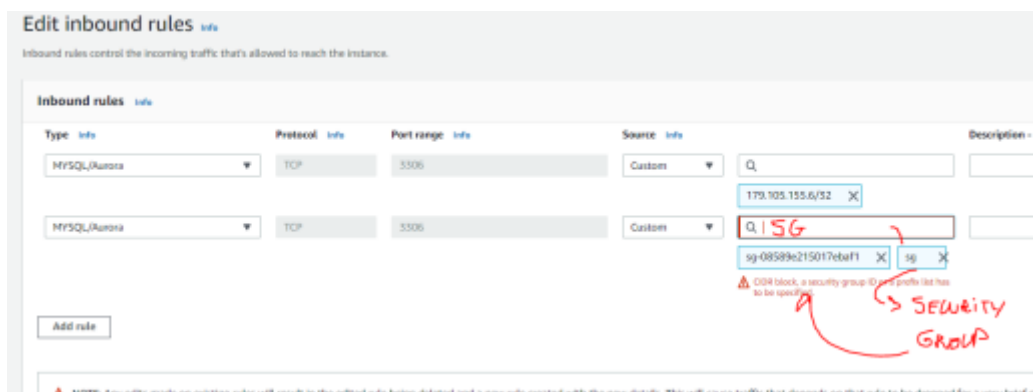
```

- Sobe o servidor
- Na maquina EC2 aplicamos um security group que foi:
 - porta 80
 - porta 8080
 - porta ssh
- So que por acaso a DATABASE consegue ter acesso ao servidor para que o servidor tenha acesso a ela e vice-versa?
- temos que dar uma olhada na parte de security groups para entender o que esta acontecendo.
- Ao criarmos a database ela automaticamente criou um security group chamado rds-launch-wizard-1 (no nosso caso, como nomeamos wordpress)

| Filter security groups | | | | | |
|-------------------------------------|--------------|----------------------|---------------------|--------------|---|
| | Name | Security group ID | Security group name | VPC ID | Description |
| <input type="checkbox"/> | AngeloPierre | sg-05582b7f06a89555e | WindowsRDP | vpc-301bb649 | RDP Access to Windows Machines |
| <input checked="" type="checkbox"/> | - | sg-065e9bde4921f68f | wordpress | vpc-301bb649 | created by RDS management console |
| <input type="checkbox"/> | WebServer | sg-08589e215017ebaf1 | linuxamb | vpc-301bb649 | launch-wizard-1 created 2021-05-17T10:17:04.920-03:00 |
| <input type="checkbox"/> | - | sg-b34f4e2 | default | vpc-301bb649 | default VPC security group |

- Essa RDS tem que ser associada ao servidor, pois a database que criamos esta agora tentando acessar o servidor.
 - Vamos apontar o servidor para ela, pois esta na mesma VPC(subnet), e ela irá tentar enviar as informações para o servidor.
 - So que quando ela tentar enviar essas informações ela não irá

conseguir pois não possui nenhuma regra (inbound) para auxilia-la.



- Assim criamos uma regra de inbound falando:

- Para Mysql | protocol TCO | porta 3306 | security group (SG- 01e7533144793bf35 - linuxweb)

- A RDS consegue agora acessar via security linux o meu servidor e assim vice e versa.

- Pois nosso servidor possui como outbound todo mundo se alguém falar com ele, ele fala com todo mundo de volta.

- ja temos uma instancia rodando temos que ver se esta funcioanndo.

- Para verificar se o servidor esta funcionando basta colocar no browser o endereço do arquivo que criamos no script de bootstrap

52.210.125.100/funcionando.html

- Outra forma seria somente colcoar no browser o endereçamento IP que assim ele teria que carregar o site da wordpress.

- O Proprio wordpress informa que o arquivo foi instalado, mas iremos precisar de informações como:



Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)

We're going to use this information to create a `wp-config.php` file. **If for any reason this automatic file creation doesn't work, don't worry. All this does is fill in the database information to a configuration file. You may also simply open `wp-config-sample.php` in a text editor, fill in your information, and save it as `wp-config.php`.** Need more help? [We got it.](#)

In all likelihood, these items were supplied to you by your Web Host. If you don't have this information, then you will need to contact them before you can continue. If you're all ready...

Let's go!



Below you should enter your database connection details. If you're not sure about these, contact your host.

| | | |
|---------------|--|---|
| Database Name | <input type="text" value="wordpress"/> | The name of the database you want to use with WordPress. |
| Username | <input type="text" value="wordpress"/> | Your database username. |
| Password | <input type="text" value="wordpress"/> | Your database password. |
| Database Host | <input type="text" value="localhost"/> | You should <u>be able to get this info from your web host, if localhost doesn't work.</u> |
| Table Prefix | <input type="text" value="wp_"/> | If you want to run multiple WordPress installations in a single database, change this. |

Submit

DATABASE HOST

- Onde esta nossa dabatase?

- aws> RDS

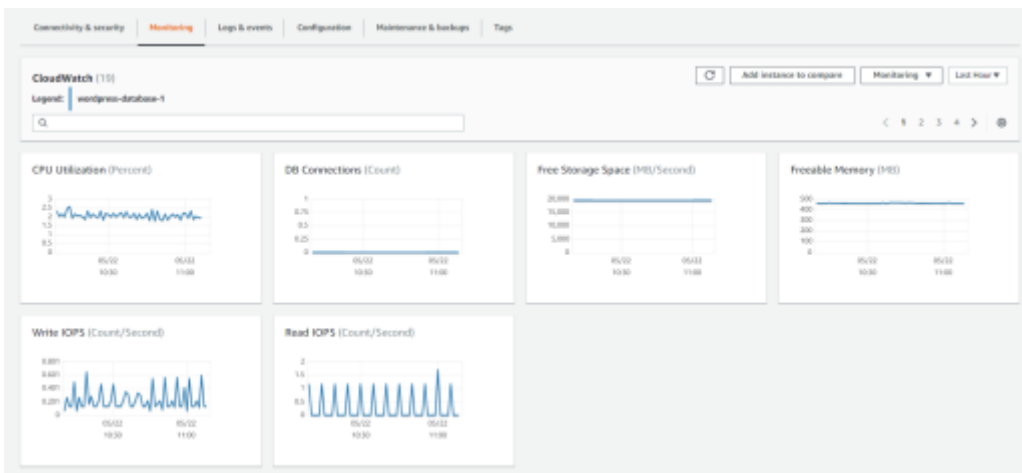
| DB identifier | Role | Engine | Region & AZ | Size | Status | CPU | Current activity | Maintenance | VPC |
|----------------------|----------|------------------|-------------|-------------|-----------|------|------------------|-------------|--------------|
| wordpress-database-1 | Instance | MySQL, Community | eu-west-1a | db.t2.micro | Available | 1.0% | 0 Connections | none | vpc-061b0d49 |

- Clicamos no nome da database criada e copiamos o endereço de ENDPOINT

| Endpoint & port | Networking | Security |
|---|--|--|
| Endpoint wordpress-database-1.chrapbi9xlrh.eu-west-1.rds.amazonaws.com Port 3306 | Availability zone eu-west-1a VPC vpc-301b0d49 Subnet group default-vpc-301b0d49 Subnets subnet-59f9e25f subnet-5a6d5271 subnet-800851a2 | VPC security groups wordpress (sg-065e9bde4d521f68f) (active) Public accessibility No Certificate authority rds-ca-2019 Certificate authority date August 22, 2024 14:08 |

wordpress-database-1.chrapbi9xlrh.eu-west-1.rds.amazonaws.com

- A porta eh a mesma configurada no security zone 3306



| Instance | | | |
|--|--------------------------------------|---------------------------------------|------------------------------------|
| Configuration | Instance class | Storage | Performance insights |
| DB instance ID wordpress-database-1 | Instance class db.t2.micro | Encryption Not enabled | Performance insights enabled No |
| Engine version 5.6.40 | vCPU 1 | Storage type General Purpose (SSD) | |
| DB name wordpress_db1 | RAM 1 GB | IOPS - | |
| License model General Public License | Availability | Storage 20 GB | |
| Option group default:mysql-5-6 | Master username wordpress | Storage autoscaling Enabled | |
| Amazon Resource Name (ARN) arn:aws:rds:us-east-1:060436480943:db:wordpress-database-1 | IAM DB authentication Not enabled | Maximum storage threshold 1000 GiB | |
| Resource ID db-1x1j1205d9p38a9t5b0x7jz99cm | Multi-AZ No | | |
| Created time Sat May 22 09:40:27 GMT-0300 (Horário Padrão de Brasília) | Secondary Zone - | | |
| Parameter group default:mysql5.6 (no-ops) | | | |
| Deletion protection Disabled | | | |