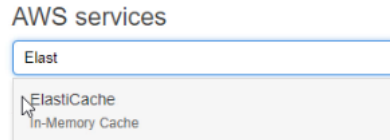


## Mãos à obra: Configurando o Elasticache

Para configurarmos o Redis na Amazon vamos utilizar o serviço do **Elasticache**, para isso vá ao painel de console e pesquise por **Elasticache**:

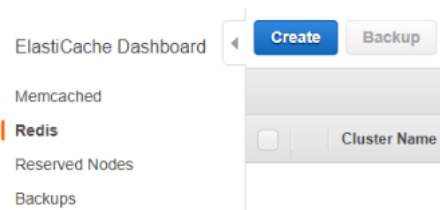


Na sequência, devemos especificar as localidades (zonas de disponibilidade) aos quais o Redis deverá atuar, para isso, no menu lateral esquerdo clique na opção **Subnet Groups**, dê o nome para esse grupo como sendo **grupo-redis** e escolha as localidades (zonas de disponibilidade) onde configuramos os servidores com a aplicação da Casa do Código (**us-east-1b** e **us-east1-c**).

A screenshot of the 'Create Subnet Group' dialog in the AWS console. The dialog has a title bar 'Create Subnet Group' with a close button. Below the title bar, there is a text box for 'Name' with the value 'grupo-redis' and a description box with the value 'grupo-redis'. A dropdown menu for 'VPC ID' shows 'vpc-3e59e246'. Below this, there is a table with columns 'Availability Zone', 'Subnet ID', 'CIDR Block', and 'Action'. The table has two rows: one for 'us-east-1b' with subnet 'subnet-6cd4b808' and CIDR '172.31.16.0/20', and another for 'us-east-1c' with subnet 'subnet-9928f6b6' and CIDR '172.31.32.0/20'. Both rows have a 'Remove' link in the 'Action' column. At the bottom right, there are 'Cancel' and 'Create' buttons. A hand cursor is pointing at the 'Create' button.

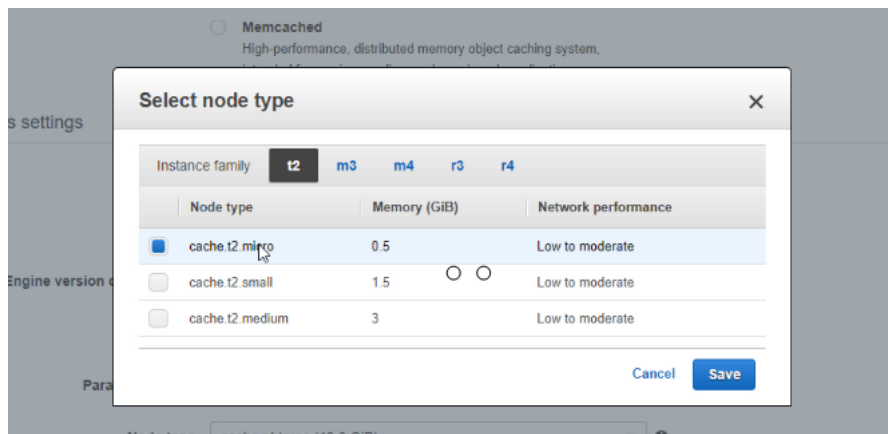
| Availability Zone | Subnet ID       | CIDR Block     | Action |
|-------------------|-----------------|----------------|--------|
| us-east-1b        | subnet-6cd4b808 | 172.31.16.0/20 | Remove |
| us-east-1c        | subnet-9928f6b6 | 172.31.32.0/20 | Remove |

Feito isso, clique na aba do Redis no menu lateral esquerdo e posteriormente clique no botão **Create**

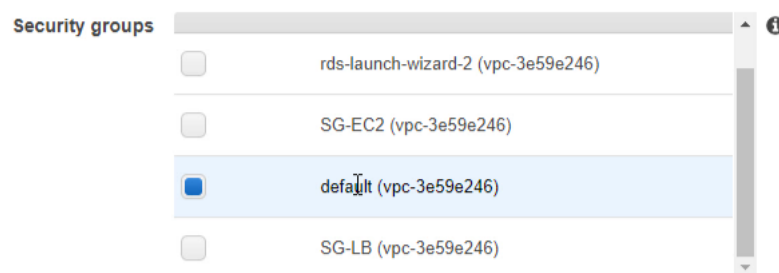


Posteriormente dê o nome para desse servidor com o banco do Redis como sendo **redis-casadocodigo**.

**Não esqueça de trocar a máquina utilizada pelo Redis pela t2.micro**



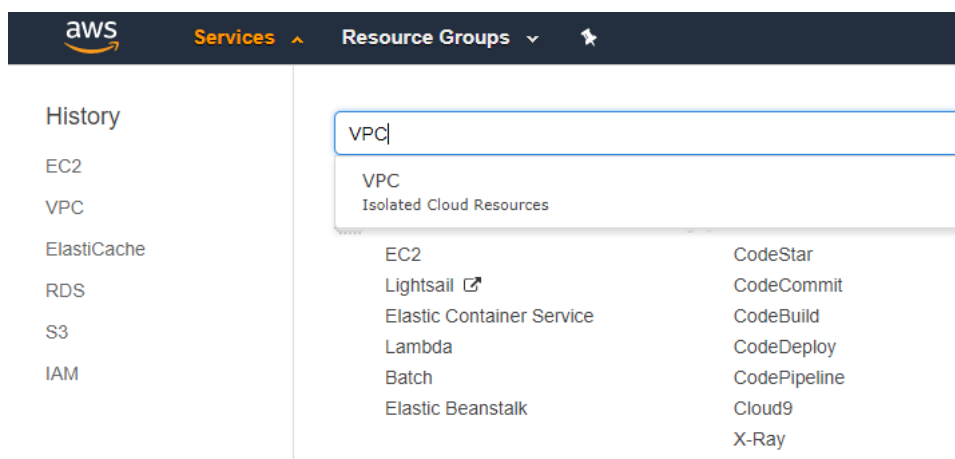
Na sequência, vamos informar que não queremos trabalhar com réplicas do Redis, para isso na opção **Number of replicas** coloque **None**. Para finalizar, certifique que o grupo de segurança vinculado ao Redis é o grupo de segurança Default.



Para finalizar, clique no botão para criar o **Redis**, esse processo deverá demorar alguns minutos.

## IMPORTANTE

Antes de continuar, certifique que o grupo de segurança **default** que estamos usando no Redis está configurado liberando o acesso para todos os endereços IP(0.0.0.0/0). Para isso, na aba **Services** pesquise por **VPC**



Na sequência, clique na opção **Security groups**

The screenshot shows the AWS VPC Dashboard's 'Resources' section. On the left is a sidebar with navigation links: VPC Dashboard, Filter by VPC (with a search box), Virtual Private Cloud, Your VPCs, Subnets, Route Tables, Internet Gateways, Egress Only Internet Gateways, DHCP Options Sets, Elastic IPs, and Endpoints. The main area has a 'Resources' header with a refresh icon, buttons for 'Start VPC Wizard' and 'Launch EC2 Instances', and a note: 'Note: Your Instances will launch in the US East (N. Virginia) region.' Below this, it states 'You are using the following Amazon VPC resources in the US East (N. Virginia) region:' followed by a list of resources in two columns. The resource '5 Security Groups' is highlighted with a red box. Below the list is a section for 'VPN Connections'.

| Resources                       |                            |
|---------------------------------|----------------------------|
| 1 VPC                           | 1 Internet Gateway         |
| 0 Egress-only Internet Gateways | 6 Subnets                  |
| 1 Route Table                   | 1 Network ACL              |
| 0 Elastic IPs                   | 0 VPC Peering Connections  |
| 0 Endpoints                     | 0 Nat Gateways             |
| <b>5 Security Groups</b>        | 2 Running Instances        |
| 0 VPN Connections               | 0 Virtual Private Gateways |
| 0 Customer Gateways             |                            |

Localize o grupo de segurança **default** e na aba **Inbound Rules** certifique-se que a aba Source está 0.0.0.0/0. Caso contrário clique no botão **Edit** e faça a alteração para que a aba **Source** fique 0.0.0.0/0

The screenshot shows the AWS Security Groups console. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a star icon. The left sidebar shows the 'VPC Dashboard' and a list of VPC resources. The main content area has a 'Create Security Group' button and a 'Security Group Actions' dropdown. Below this is a table of security groups. The 'default' group (sg-d18a2ea1) is selected and highlighted with a blue row and a red box around its name. Below the table, the details for 'sg-d18a2ea1' are shown, with tabs for 'Summary', 'Inbound Rules' (highlighted with a red box), 'Outbound Rules', and 'Tags'. An 'Edit' button is visible. The 'Inbound Rules' table shows a single rule with 'Source' set to '0.0.0.0/0', which is also highlighted with a red box.

| Name tag                            | Group ID    | Group Name        | VPC          |
|-------------------------------------|-------------|-------------------|--------------|
|                                     | sg-40b9bc35 | SG-EC2            | vpc-887f28f1 |
|                                     | sg-5d8b8e28 | rds-launch-wizard | vpc-887f28f1 |
|                                     | sg-936165e6 | SG-LB             | vpc-887f28f1 |
|                                     | sg-978dbee2 | launch-wizard-1   | vpc-887f28f1 |
| <input checked="" type="checkbox"/> | sg-d18a2ea1 | <b>default</b>    | vpc-887f28f1 |

| Type        | Protocol | Port Range | Source           | Description |
|-------------|----------|------------|------------------|-------------|
| ALL Traffic | ALL      | ALL        | <b>0.0.0.0/0</b> |             |