

# ALURA FORUM - MANUAL DO DEPLOY

Para realizar o deploy inicial da aplicação será necessário criar 2 VM's no **VirtualBox**.

Ambas as VM's devem utilizar o **Ubuntu 18.04 Server** como Sistema Operacional.

Em uma das VM's deve ser instalado o banco de dados da aplicação, que no caso será o **MySQL 5.7**, e na outra o servidor de aplicações, que no caso será o **Apache Tomcat 8**.

## SERVIDOR ALURA-DATABASE

- sudo apt-get update
- sudo apt-get install mysql-server
- sudo mysql -u root
- create database alura\_forum;
- create user 'alura'@'%' IDENTIFIED BY 'qwerty123';
- grant select, insert, update, delete on alura\_forum.\* to 'alura'@'%';
- exit;
- **TERMINAL DO HOST => scp script\_inicial.sql IP\_DA\_VM:/home/caelum**
- sudo mysql -u root -p alura\_forum < script-inicial.sql
- sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf

```
# Remember to edit /etc/mysql/debian.cnf when changing the socket location.
# Here is entries for some specific programs
# The following values assume you have at least 32M ram

[mysqld_safe]
socket      = /var/run/mysqld/mysqld.sock
nice        = 0

[mysqld]
#
# * Basic Settings
#
user        = mysql
pid-file    = /var/run/mysqld/mysqld.pid
socket      = /var/run/mysqld/mysqld.sock
port        = 3306
basedir     = /usr
datadir     = /var/lib/mysql
tmpdir      = /tmp
lc-messages-dir = /usr/share/mysql
skip-external-locking
#
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
bind-address = 0.0.0.0
#
# * Fine Tuning
#
key_buffer_size        = 16M
max_allowed_packet     = 16M
```

- `sudo nano /etc/netplan/50-cloud-init.yaml`

```
GNU nano 2.9.3 /etc/netplan/50-cloud-init.yaml
# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
  ethernets:
    enp0s3:
      dhcp4: false
      addresses: [192.168.56.110/24]
      gateway4: 192.168.56.100
  version: 2
```

- `sudo netplan apply`

Para os próximos deploys, no caso da VM já estar configurada, basta apenas conectar nela e executar o script sql fornecido pela equipe de desenvolvimento.

## SERVIDOR ALURA-WEB

- `sudo apt-get install openjdk-8-jre`
- `sudo useradd -r -m -U -d /opt/tomcat -s /bin/false tomcat`
- **TERMINAL DO HOST:** `scp apache-tomcat-8.5.47.tar.gz IP_DA_VM:/tmp`
- `sudo tar xf /tmp/apache-tomcat-8.5.47.tar.gz -C /opt/tomcat`
- `sudo mv /opt/tomcat/apache-tomcat-8.5.47 /opt/tomcat/tomcat8`
- **TERMINAL DO HOST:** `scp tomcat.service IP_DA_VM:/home/caelum`
- **TERMINAL DO HOST:** `scp alura-forum.war IP_DA_VM:/home/caelum`
- `sudo mv tomcat.service /etc/systemd/system`
- `sudo mv alura-forum.war /opt/tomcat/tomcat8/webapps`
- `sudo ufw allow 8080`
- `sudo chgrp -R tomcat /opt/tomcat`
- `sudo chown -R tomcat /opt/tomcat`
- `sudo systemctl daemon-reload`
- `sudo systemctl start tomcat`
- `sudo systemctl enable tomcat`
- `sudo nano /etc/netplan/50-cloud-init.yaml`

```
GNU nano 2.9.3 /etc/netplan/50-cloud-init.yaml
# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
  ethernets:
    enp0s3:
      dhcp4: false
      addresses: [192.168.56.105/24]
      gateway4: 192.168.56.100
  version: 2
```

➤ `sudo netplan apply`

Para os próximos deploys, no caso da VM já estar configurada, basta apenas conectar nela e substituir o arquivo `.war` pelo novo que sera fornecido pela equipe de desenvolvimento, alem de executar o restart do servidor Tomcat.