

Module_B10_Vagrant Postgresql 8.4

Вопрос для этого раздела

Что нужно сделать:

1. Выполнить установку *Postgres (8.4)* с помощью *Vagrant* и получить *vagrant box*. Залить на любой файл-хостинг, разместить ссылку в окне для ввода ответа под номером 6.5.1. В свободной форме опишите, с какими проблемами столкнулись (если были).
2. Полученный *Vagrantfile* разместить в аккаунте своего гитхаб в репозитории *sf_legacy_vagrant*. Ссылку на репозиторий добавьте в окне для ввода ответа под номером 6.5.2.

Issues:

- Virtualbox ubuntu 20.04 which contains installed by vagrant virtualbox ubuntu 18.04 works very slow
- User creation
- Sudo access

```
vagrant@vagrant: ~/postgresql-8.4.22
gcc -O2 -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Wendif-labels -fno-strict-aliasing -fwrapv -fexcess-precision=standard -fno-aggressive-loop-optimizations -fpic -DREFINT_VERBOSE -I. -I../src/include -D_GNU_SOURCE -c -o refint.o refint.c
gcc -O2 -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Wendif-labels -fno-strict-aliasing -fwrapv -fexcess-precision=standard -fno-aggressive-loop-optimizations -fpic -shared -o refint.so refint.o
rm refint.o
make[3]: Leaving directory '/home/vagrant/postgresql-8.4.22/contrib/spi'
cp ../../contrib/spi/refint.so refint.so
make -C ../../contrib/spi autoinc.so
make[3]: Entering directory '/home/vagrant/postgresql-8.4.22/contrib/spi'
gcc -O2 -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Wendif-labels -fno-strict-aliasing -fwrapv -fexcess-precision=standard -fno-aggressive-loop-optimizations -fpic -DREFINT_VERBOSE -I. -I../src/include -D_GNU_SOURCE -c -o autoinc.o autoinc.c
gcc -O2 -Wall -Wmissing-prototypes -Wpointer-arith -Wdeclaration-after-statement -Wendif-labels -fno-strict-aliasing -fwrapv -fexcess-precision=standard -fno-aggressive-loop-optimizations -fpic -shared -o autoinc.so autoinc.o
rm autoinc.o
make[3]: Leaving directory '/home/vagrant/postgresql-8.4.22/contrib/spi'
cp ../../contrib/spi/autoinc.so autoinc.so
rm -rf ./testtablespace
mkdir ./testtablespace
make[2]: Leaving directory '/home/vagrant/postgresql-8.4.22/src/test/regress'
make[1]: Leaving directory '/home/vagrant/postgresql-8.4.22/src'
make -C config all
make[1]: Entering directory '/home/vagrant/postgresql-8.4.22/config'
make[1]: Nothing to be done for 'all'.
make[1]: Leaving directory '/home/vagrant/postgresql-8.4.22/config'
All of PostgreSQL successfully made. Ready to install.
vagrant@vagrant:~/postgresql-8.4.22$
```

Vagrantfile

Vagrant.configure("2") do |config|

```
config.vm.box = "geerlingguy/ubuntu1804"
config.vm.network "public_network", ip: "192.168.0.15"
```

```
config.vm.provider "virtualbox" do |vb|
  vb.memory = 4096
  vb.cpus = 3
end
```

```
config.vm.provision "shell", inline: <<-SHELL
```

```
#Requirements
sudo apt-get update -y
sudo apt-get install make
sudo apt-get install gcc -y

sudo apt-get update -y
```

```

sudo apt-get install -y libreadline-dev
sudo apt-get install zlib1g-dev
sudo apt-get install bison -y

#Download postgres
wget https://ftp.postgresql.org/pub/source/v8.4.22/postgresql-8.4.22.tar.gz
tar xzf postgresql-8.4.22.tar.gz
cd postgresql-8.4.22

#Installation
./configure
make
su
make install
pass=$(perl -e 'print crypt("infodba", "password")' $password)
echo $pass
useradd -m -p "$pass" "postgres"

sudo mkdir /usr/local/pgsql/data
sudo chown postgres /usr/local/pgsql/data

sudo su
cd postgresql-8.4.22

su --login -c "/usr/local/pgsql/bin/initdb -D /usr/local/pgsql/data" postgres
su --login -c "/usr/local/pgsql/bin/psql --version" postgres

```

SHELL

end

Result

Administrator: Command Prompt

```

default: selecting default max_connections ... 100
default: selecting default shared_buffers ... 32MB
default: creating configuration files ... ok
default: creating template1 database in /usr/local/pgsql/data/base/1 ... ok
default: initializing pg_authid ... ok
default: initializing dependencies ... ok
default: creating system views ... ok
default: loading system objects' descriptions ... ok
default: creating conversions ... ok
default: creating dictionaries ... ok
default: setting privileges on built-in objects ... ok
default: creating information schema ... ok
default: vacuuming database template1 ... ok
default: copying template1 to template0 ... ok
default: copying template1 to postgres ... ok
default:
default: Success. You can now start the database server using:
default:
default:      /usr/local/pgsql/bin/postgres -D /usr/local/pgsql/data
default: or
default:      /usr/local/pgsql/bin/pg_ctl -D /usr/local/pgsql/data -l logfile start
default:
default:
default: WARNING: enabling "trust" authentication for local connections
default: You can change this by editing pg_hba.conf or using the -A option the
default: next time you run initdb.
default: psql (PostgreSQL) 8.4.22
default: contains support for command-line editing

```

D:\Vagrant_Machines>

graph

→ pass=\$(perl -e 'pr

→ echo \$pass

→ useradd -m -p "\$

→

→

→ sudo mkdir /usr/l

→ sudo chown post

→

→ sudo su

→ cd postgresql-8.4

→

→

→ su - -login -c "/usr

→ su - -login -c "/usr

Oracle VM VirtualBox Manager

File Machine Help

Tools

DevOps_Centos_7

Powered Off

DevOps_Ubuntu_20.04

Powered Off

Vagrant_Machines_default_1646536476178_49707

Running

New Settings Discard Show

General

Name: Vagrant_Machines_default_1646536476178_49707

Operating System: Ubuntu (64-bit)

System

Base Memory: 4096 MB

Processors: 3

Boot Order: Hard Disk, Optical

Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization

Display

Video Memory: 4 MB

Graphics Controller: VBoxVGA

Remote Desktop Server Port: 5997

Recording: Disabled

Storage

Controller: IDE Controller

IDE Primary Device 0: packer-ubuntu-18.04-amd64-disk001.vmdk (Normal, 80.00 GB)

Audio

Disabled

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

Adapter 2: Intel PRO/1000 MT Desktop (Bridged Adapter, Realtek(R) USB GbE Family Controller)

USB

Disabled

Shared folders

Shared Folders: 1

Description

None

Preview

Vagrant_Machines_default_1646536476178_49707 - Settings

? X

General

System

Display

Storage

Audio

Network

Serial Ports

USB

Shared Folders

User Interface

General

Basic Advanced Description Disk Encryption

Name: Vagrant_Machines_default_1646536476178_49707

Type: Linux

Version: Ubuntu (64-bit)

Invalid settings detected

OK Cancel