

1. Pertama, melakukan konfigurasi pada vagrant untuk membuat 3 node

Vagrantfile

```
# -*- mode: ruby -*-
# vi: set ft=ruby :

# All Vagrant configuration is done below. The "2" in Vagrant.configure
# configures the configuration version (we support older styles for
# backwards compatibility). Please don't change it unless you know what
# you're doing.
Vagrant.configure("2") do |config|

  # Master Box
  config.vm.define "node_1" do |node_1|
    node_1.vm.box = "bento/ubuntu-16.04"
    node_1.vm.hostname = "node-1"

    node_1.vm.provider "virtualbox" do |vb|
      vb.gui = false
      vb.name = "node_1"
      vb.memory = "1024"
    end

    node_1.vm.network "private_network", ip: "192.168.16.159"
    node_1.vm.provision "shell", path: "provision/hosts.sh", privileged: false
  end

  config.vm.define "node_2" do |node_2|
    node_2.vm.box = "bento/ubuntu-16.04"
    node_2.vm.hostname = "node-2"

    node_2.vm.provider "virtualbox" do |vb|
      vb.gui = false
      vb.name = "node_2"
      vb.memory = "1024"
    end

    node_2.vm.network "private_network", ip: "192.168.16.160"
    node_2.vm.provision "shell", path: "provision/hosts.sh", privileged: false
  end

  config.vm.define "node_3" do |node_3|
    node_3.vm.box = "bento/ubuntu-16.04"
    node_3.vm.hostname = "node-3"

    node_3.vm.provider "virtualbox" do |vb|
      vb.gui = false
      vb.name = "node_3"
      vb.memory = "1024"
    end
  end
end
```

```
node_3.vm.network "private_network", ip: "192.168.16.161"  
node_3.vm.provision "shell", path: "provision/hosts.sh", privileged: false
```

```
end
```

```
end
```

Hosts.sh

```
sudo apt-get update  
sudo apt-get install build-essential tcl  
sudo apt-get install libjemalloc-dev  
  
curl -O http://download.redis.io/redis-stable.tar.gz  
tar xzvf redis-stable.tar.gz  
cd redis-stable  
make  
make test  
sudo make install  
  
sudo ufw allow 6379  
sudo ufw allow 26379  
  
sudo mkdir /opt/redis  
sudo mkdir /opt/redis/redis-stable
```

2. Edit file setiap sentinel.conf dan redis.conf

sentinel.conf

node_1

```
protected-mode no  
port 26379  
  
sentinel monitor mymaster 192.168.16.159 6379 2  
sentinel down-after-milliseconds mymaster 5000  
sentinel failover-timeout mymaster 10000  
  
logfile "/opt/redis/redis-stable/sentinel.log"
```

node_2

```
protected-mode no  
port 26379  
  
sentinel monitor mymaster 192.168.16.159 6379 2  
sentinel down-after-milliseconds mymaster 5000  
sentinel failover-timeout mymaster 10000  
  
logfile "/opt/redis/redis-stable/sentinel.log"
```

node_3

protected-mode no
port 26379

sentinel monitor mymaster 192.168.16.159 6379 2
sentinel down-after-milliseconds mymaster 5000
sentinel failover-timeout mymaster 10000

logfile "/opt/redis/redis-stable/sentinel.log"

redis.conf

node_1

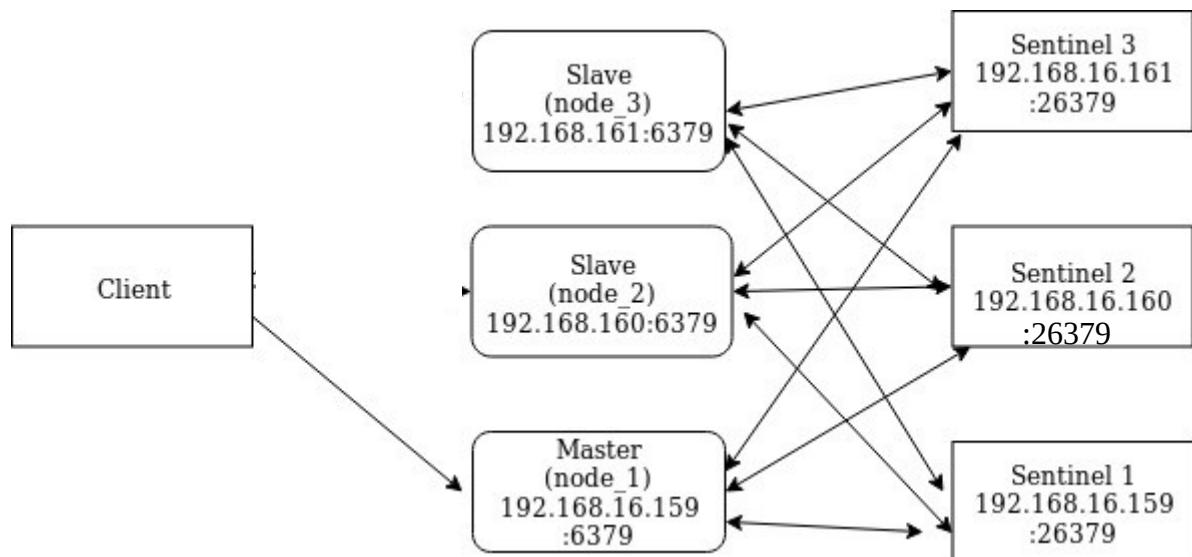
protected-mode no
port 6379
dir .
logfile "/opt/redis/redis-stable/redis.log"

node_2

protected-mode no
port 6379
dir .
slaveof 192.168.16.159 6379
logfile "/opt/redis/redis-stable/redis.log"

node_3

protected-mode no
port 6379
dir .
slaveof 192.168.16.159 6379
logfile "/opt/redis/redis-stable/redis.log"



3. Lakukan **sudo redis-server ../redis.conf & sudo redis-sentinel ../sentinel.conf** pada folder /src untuk menjalankan redis process dan sentinel process

4. Cek apakah berjalan redis process dan sentinel process dengan **ps -ef | grep redis** kemudian

redis-cli ping

or

redis-cli -h IP_Address ping

```
redis : vagrant — Konsole
File Edit View Bookmarks Settings Help

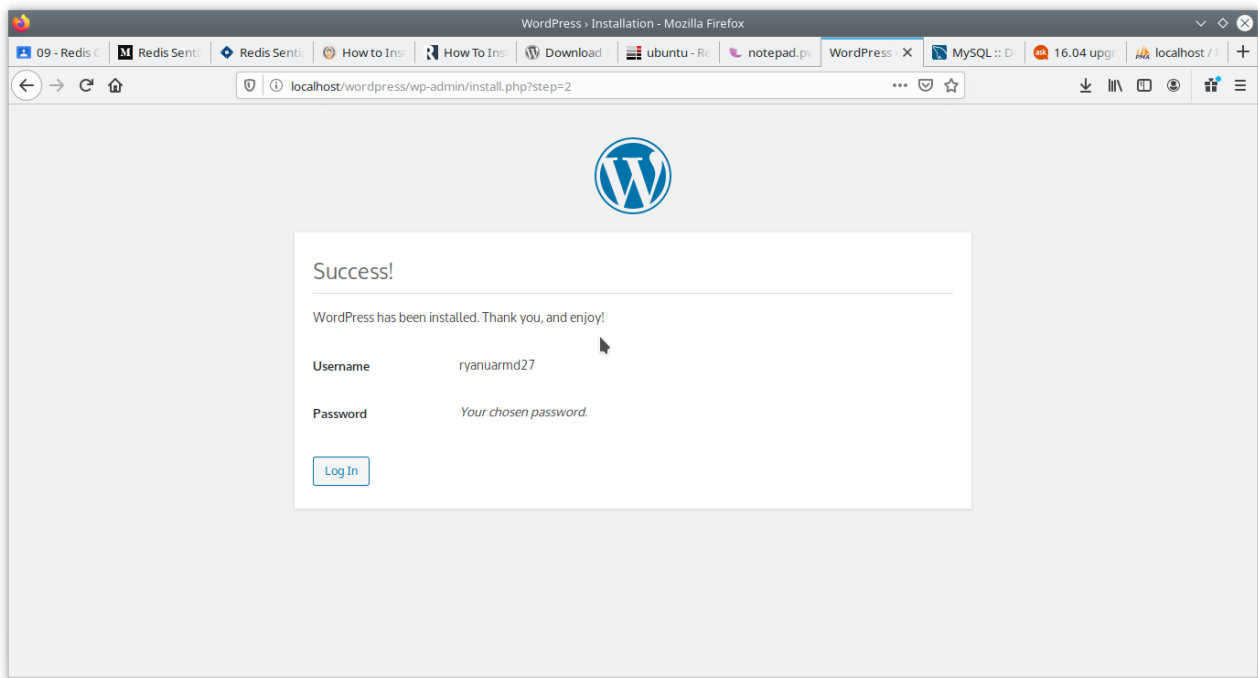
vagrant@node-1:~/redis-stable$ Connection to 127.0.0.1 closed by remote host.
Connection to 127.0.0.1 closed.
ryanuarmd@precepes:~/Downloads/Vagrant/redis$ vagrant ssh node_1
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-150-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

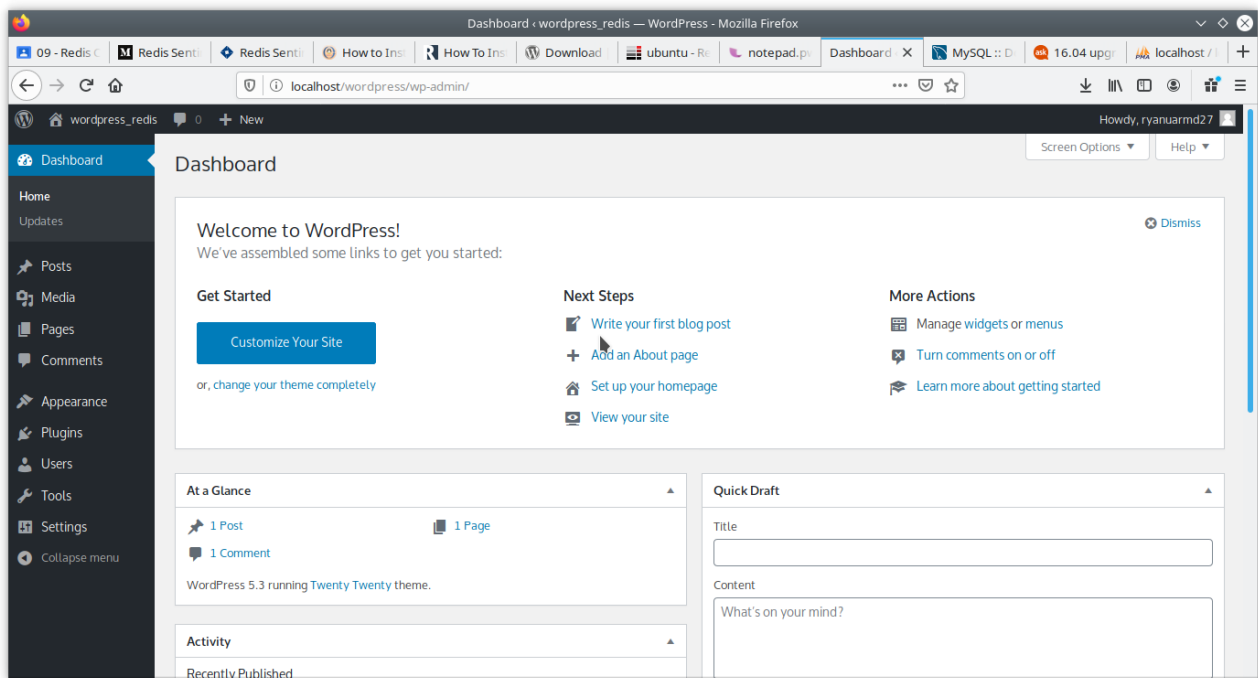
116 packages can be updated.
68 updates are security updates.

Last login: Mon Nov 25 10:09:51 2019 from 10.0.2.2
vagrant@node-1:~$ redis-cli ping
PONG
vagrant@node-1:~$ ps -ef | grep redis
root      6362   6308   0 10:17 pts/0    00:00:00 sudo redis-server ../redis.conf
root      6365   6362   0 10:17 pts/0    00:00:00 redis-server *:6379
root      6372   6308   0 10:18 pts/0    00:00:00 sudo redis-sentinel ../sentinel.conf
root      6374   6372   0 10:18 pts/0    00:00:00 redis-sentinel *:26379 [sentinel]
vagrant   6426   6416   0 10:19 pts/1    00:00:00 grep --color=auto redis
vagrant@node-1:~$
```

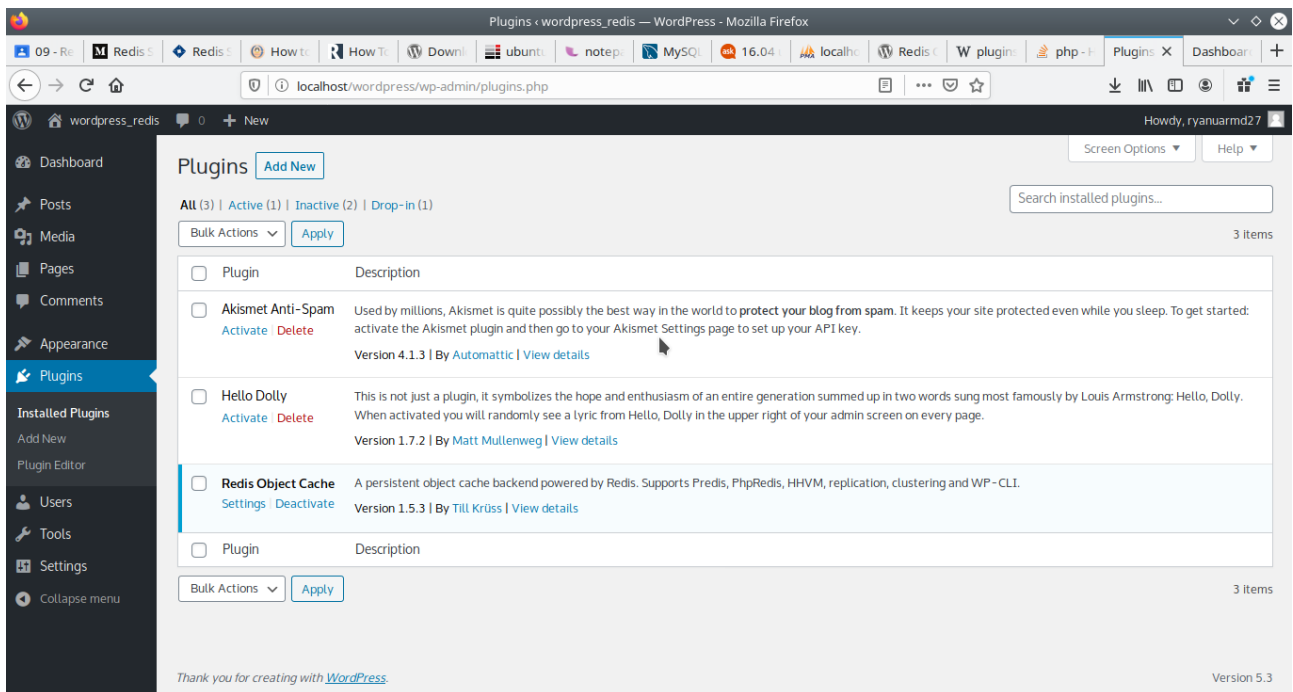
5. Kemudian lakukan pengecekan replikasi status pada setiap node dan lakukan command **redis-cli** setelah masuk pada redis-cli kemudian lakukan command info replication



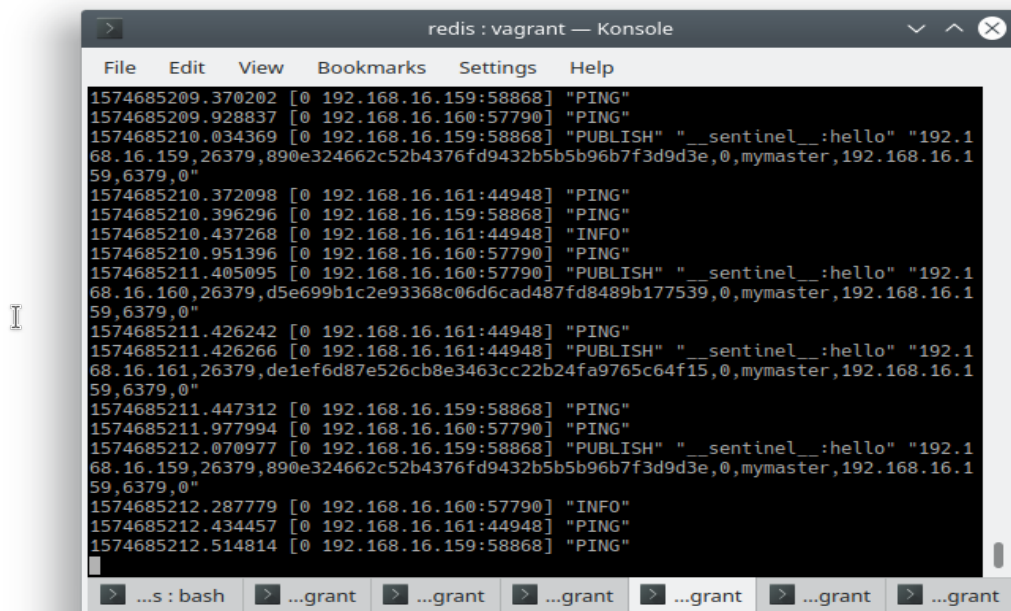
Kemudian login akan tampil seperti ini



11. Kemudian install redis object cache plugin



12. Wordpress sudah tersambung



13. Membuat wordpress seperti sebelumnya dengan database yang berbeda

Dashboard < wordpress_redis_2 — WordPress - Mozilla Firefox

09 - Re | M Redis S | Redis S | How to | How to | Downl | ubuntu | notep | MySQL | 16.04 | localh | Redis | W plugin | php - | Dashboard | Dashboard X | +

localhost/wordpress_2/wp-admin/

wordpress_redis_2 | 0 | New | Howdy, ryanuarmd27

Dashboard

Home
Updates

Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse menu

Dashboard

Screen Options | Help

Welcome to WordPress!

We've assembled some links to get you started:

Dismiss

Get Started

Customize Your Site

or, change your theme completely

Next Steps

Write your first blog post

Add an About page

Set up your homepage

View your site

More Actions

Manage widgets or menus

Turn comments on or off

Learn more about getting started

At a Glance

1 Post

1 Page

1 Comment

WordPress 5.3 running Twenty Twenty theme.

Quick Draft

Title

Content

What's on your mind?

Activity

Recently Published