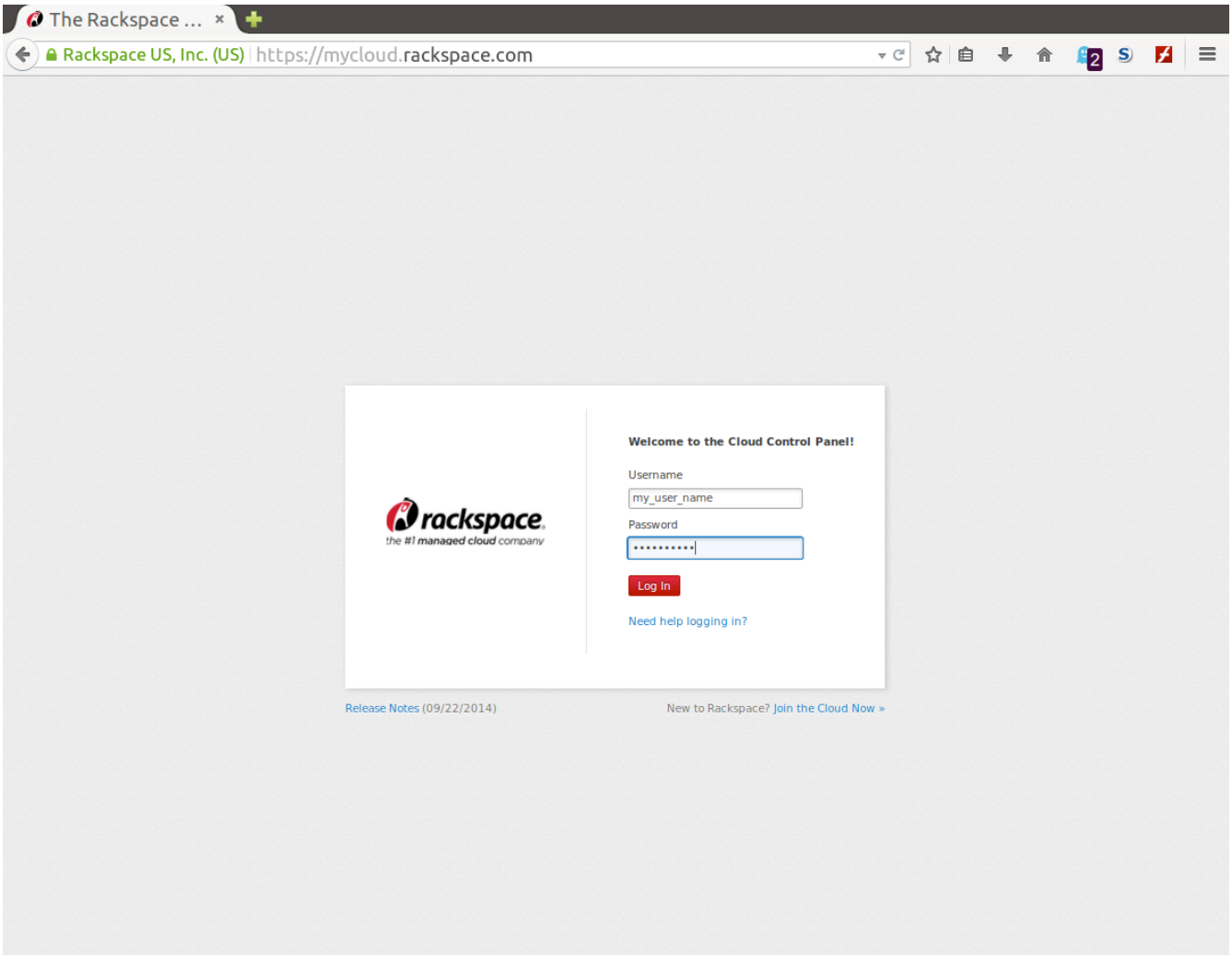
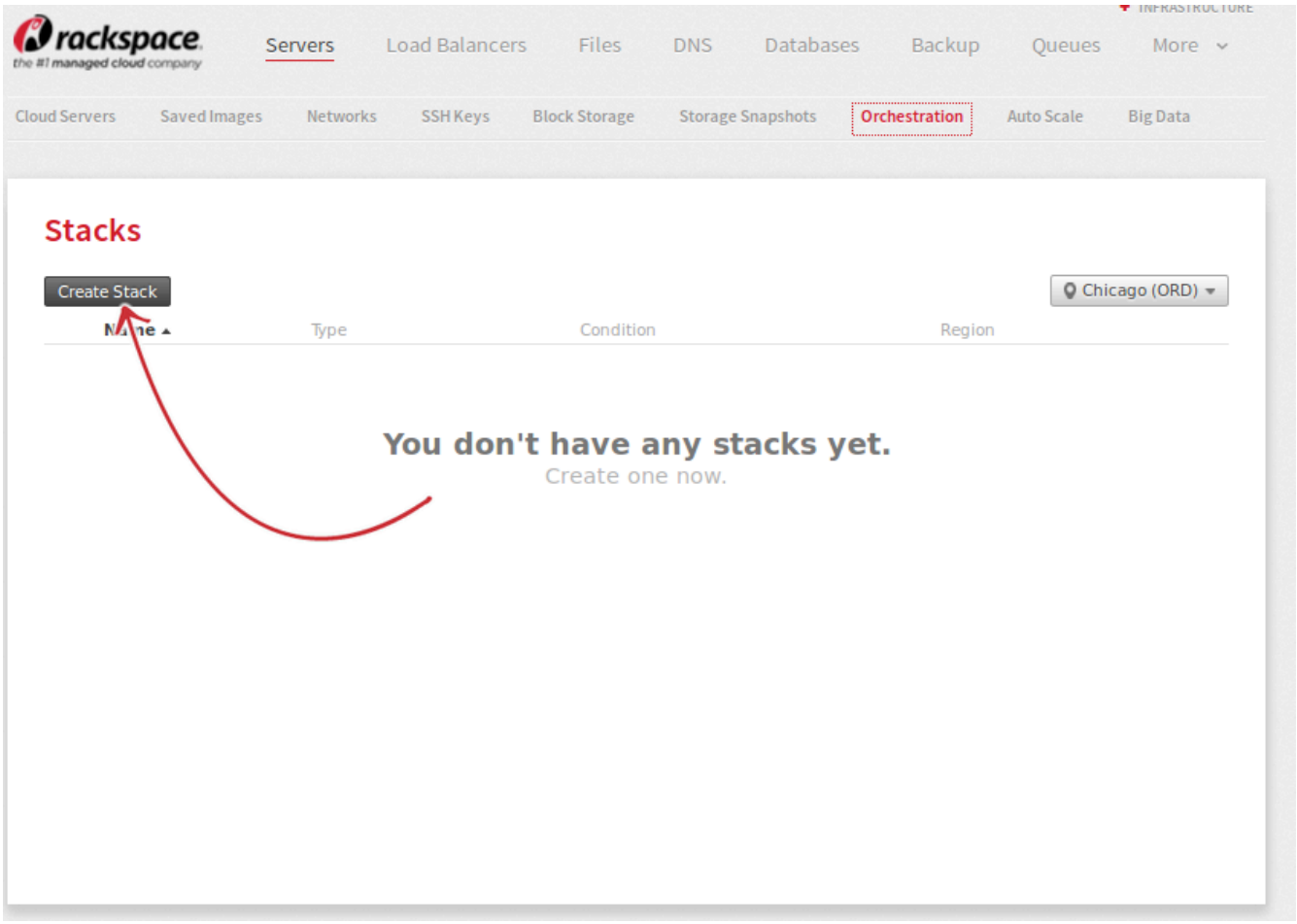
# INSTALLING THE USHAHIDI PLATFORM ON RACKSPACE CLOUD USING CLOUD ORCHESTRATION

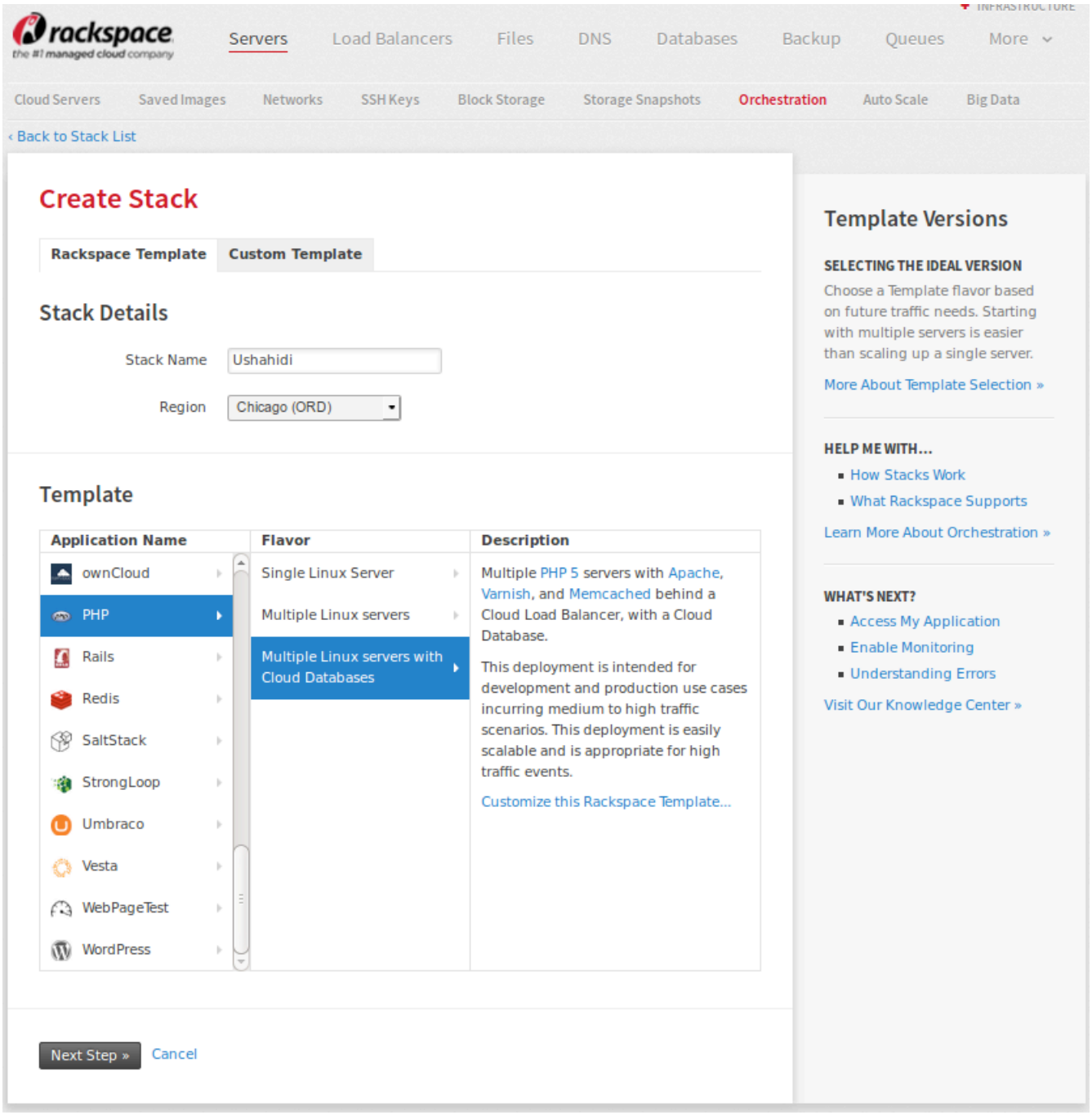
1. Log into the Rackspace Cloud Control panel at https://mycloud.rackspace.com.



2. Under Servers → Orchestration, click “Create Stack”

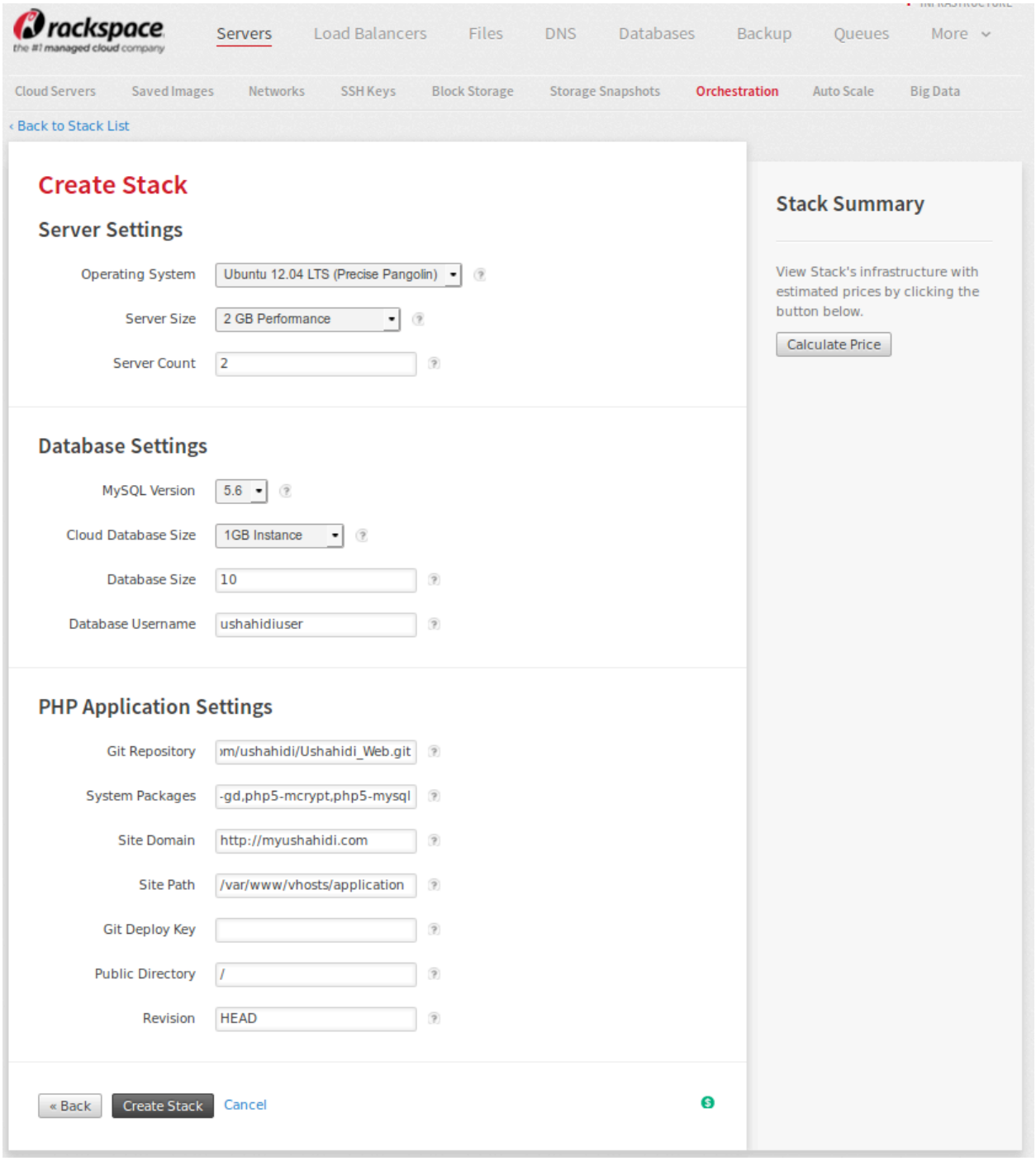


3. On the Create Stack page, give your stack a suitable name, select an appropriate region, select the PHP → Multiple Linux servers with Cloud Databases template, and then click “Next Step”:

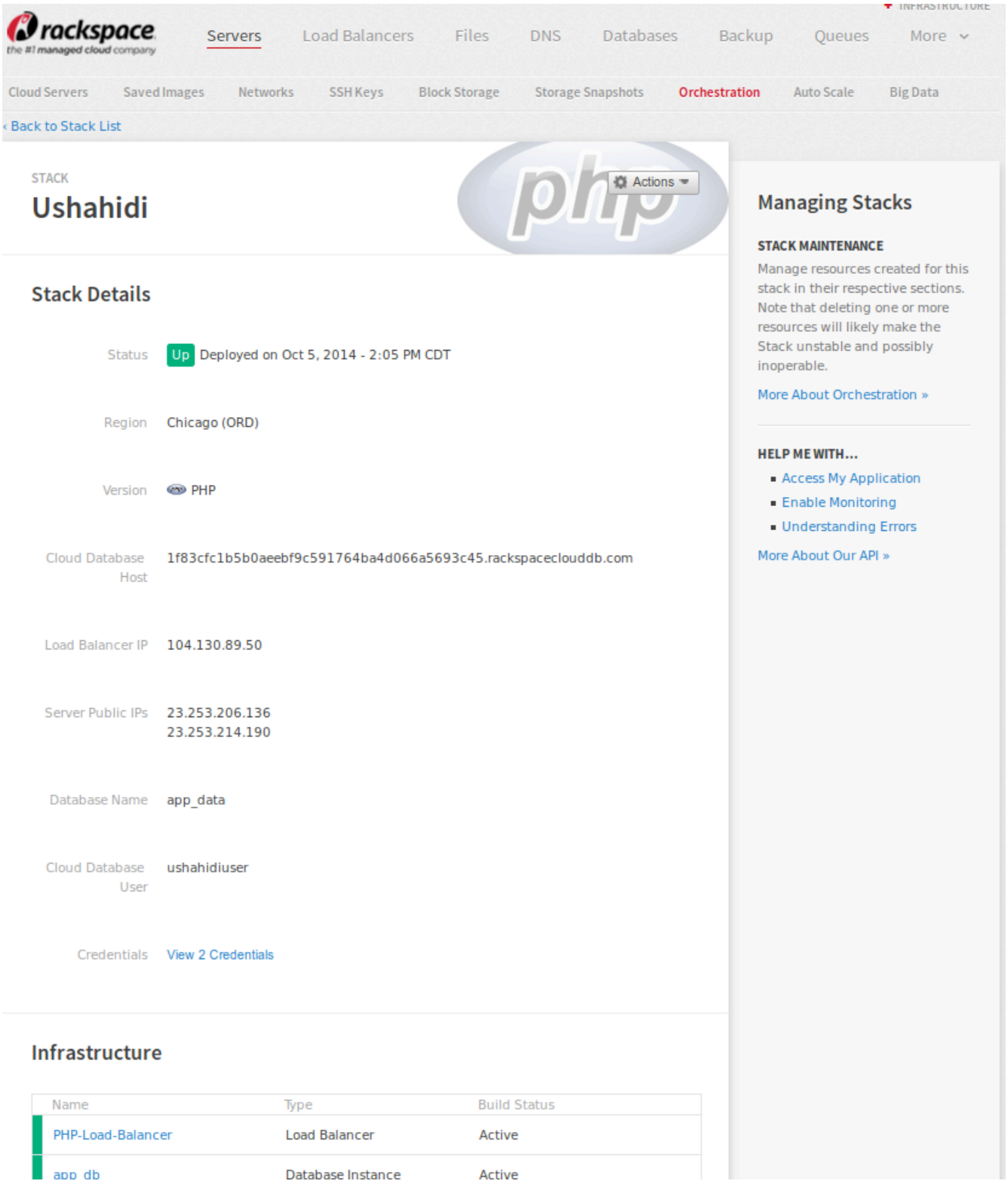


4. Once you are on the Create Stack customization page, modify the following settings, and then click “Create Stack”:

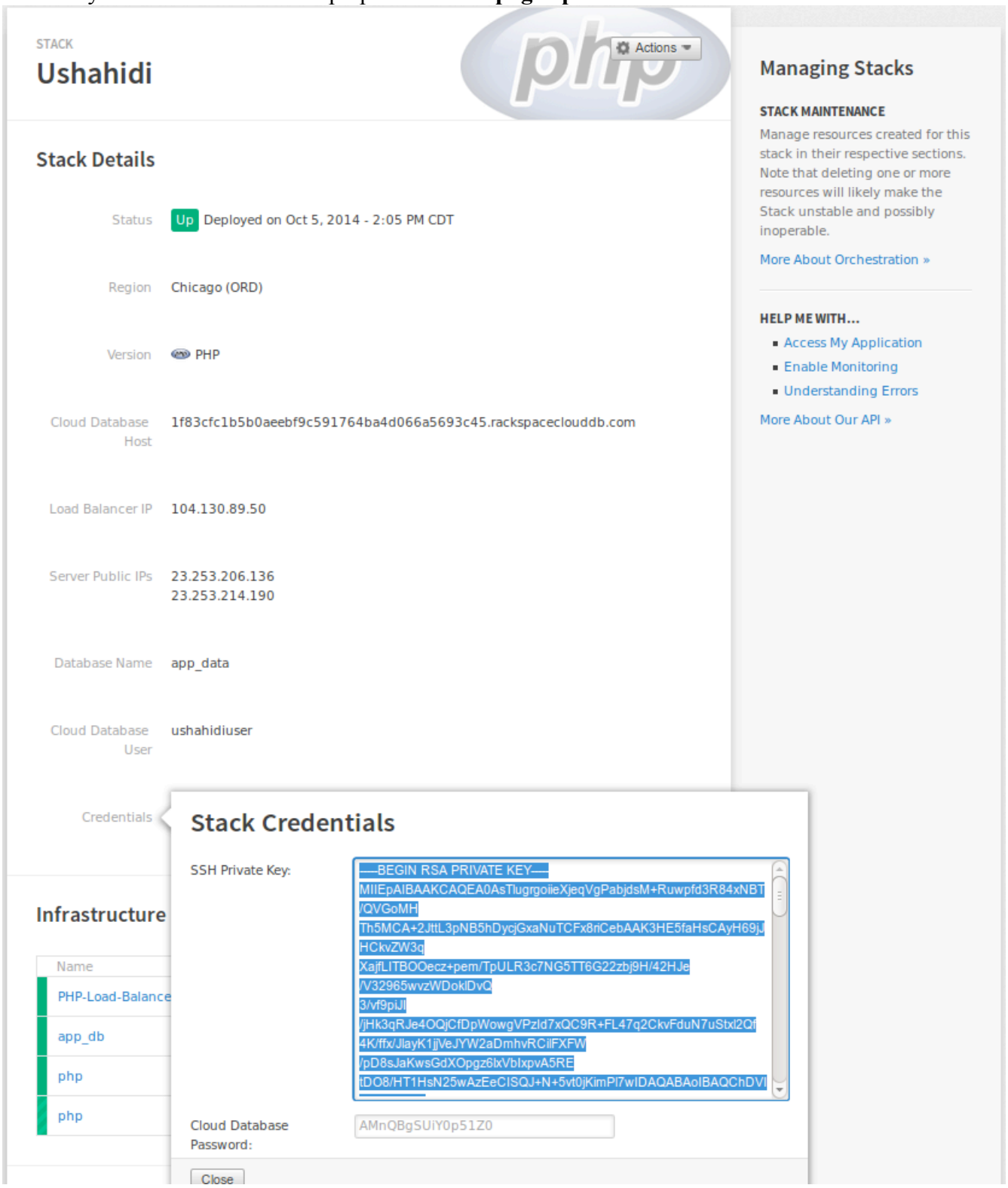
Server Size: 2 GB Performance
Database Username: ushahidiuser
Git Repository: https://github.com/ushahidi/Ushahidi_Web.git
System Packages: php5-curl,php5-gd,php5-mcrypt,php5-mysql
Site Domain: domain name of your choosing (myushahidi.com for our example)



5. This is a good time to take a quick break, as we wait for the stack to build. Once completed, our Stack Details page should look similar to the following:



6. Next, we will need to SSH into one of our php application servers. In order to do so, click on the link that says "View 2 Credentials" on the Stack details page. Cut and paste the SSH Private Key into a file on your local workstation/laptop. **Leave this page open! You will need it later.**



7. One we have the SSH Private Key in a file, let's use that to SSH into the first of our php application servers and download the localization submodule:

(On your workstation)

```
$ vi id_ushahidi #putting SSH Private Key in this file
$ chmod 0600 id_ushahidi
$ ssh -i id_ushahidi root@<ip of php application server>
```

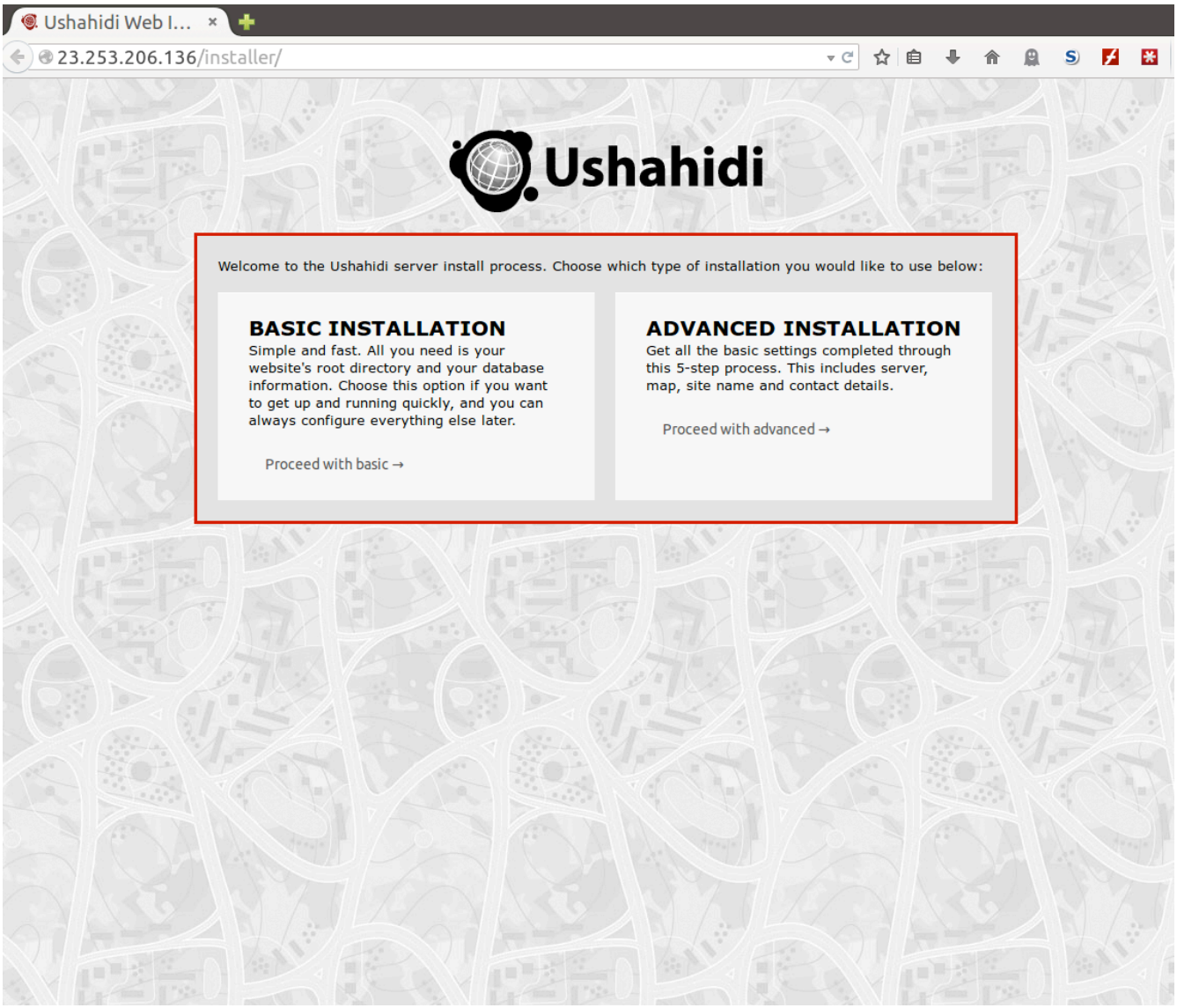
(On your server)

```
# cd /var/www/vhosts/application/current/application/i18n
# git clone https://github.com/ushahidi/Ushahidi-Localizations .
# chown -R www-data: .
```

8. We also need to modify our site's apache config to allow Clean URL's(i.e. http://ip/admin vs http://ip/index.php/admin). As per https://wiki.ushahidi.com/display/WIKI/Enabling+Clean+URLs, open up your site's configuration file with vi, and change the following AllowOverride statement from None to All.

```
# vi /etc/apache2/sites-enabled/myushahidi.com.conf

   <Directory /var/www/vhosts/application/current/>

    Options FollowSymLinks

    AllowOverride All
    Order allow,deny

    Allow from all

  </Directory>


# service apache2 restart
```

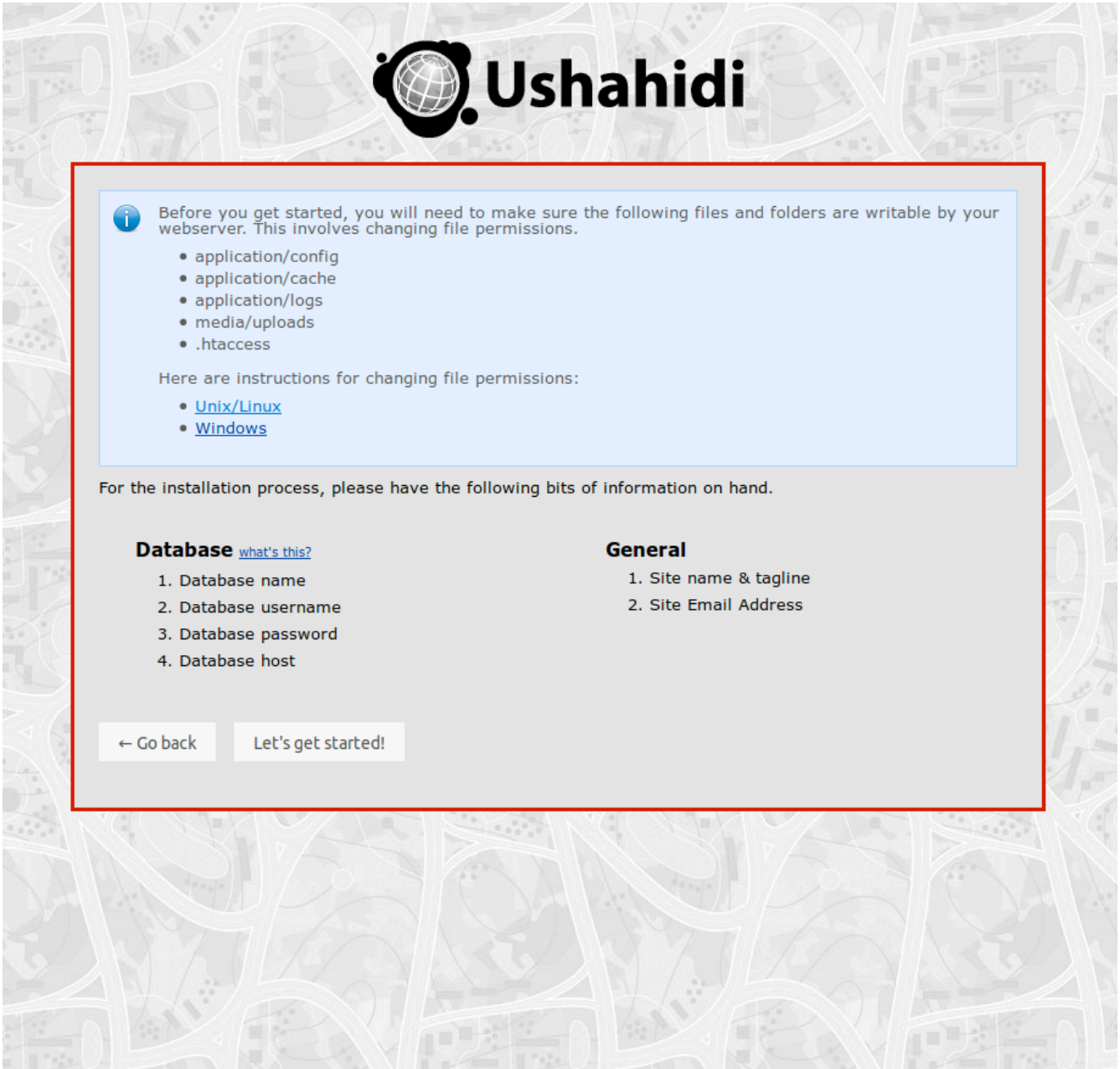
9. Next, browse to the installer page on the same php application server you configured in #7 and #8, and click “Proceed with basic”:



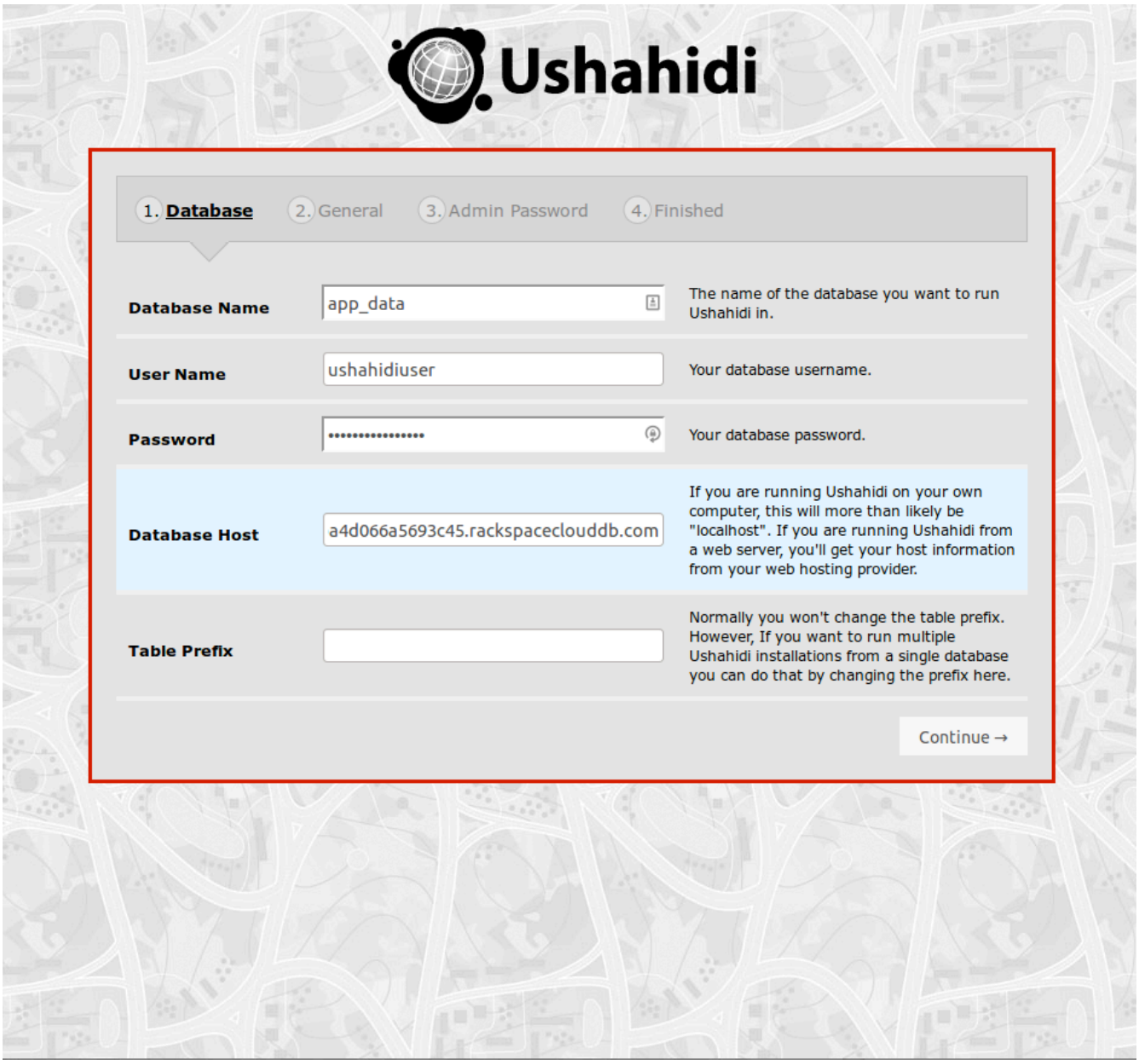
10. Before we get started, you will need the following pieces of information from the Stack Details page:

1. Database name
2. Database username
3. Database password(see View 2 Credentials)
4. Database host

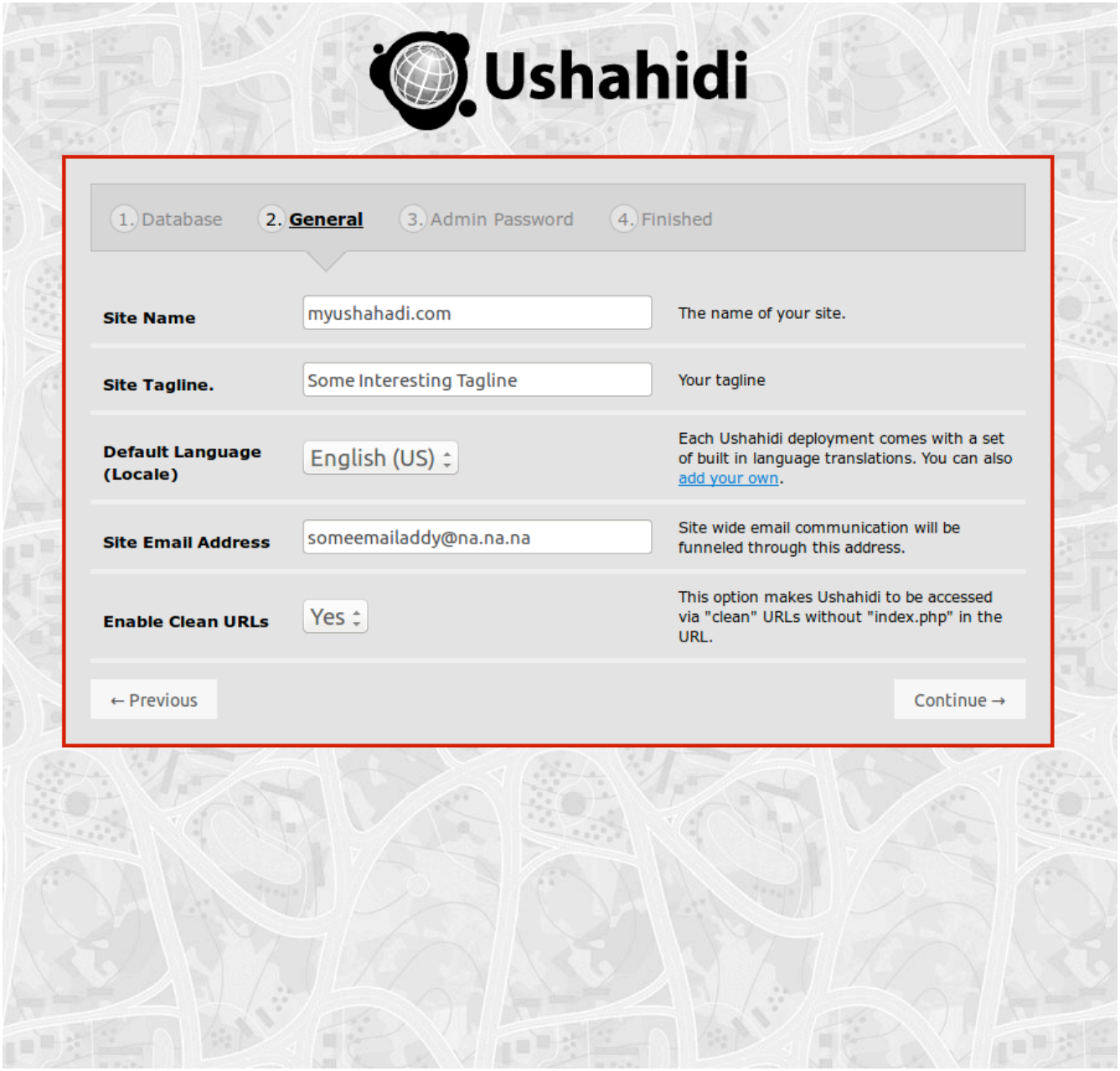
Click “Let's get started!” when ready:



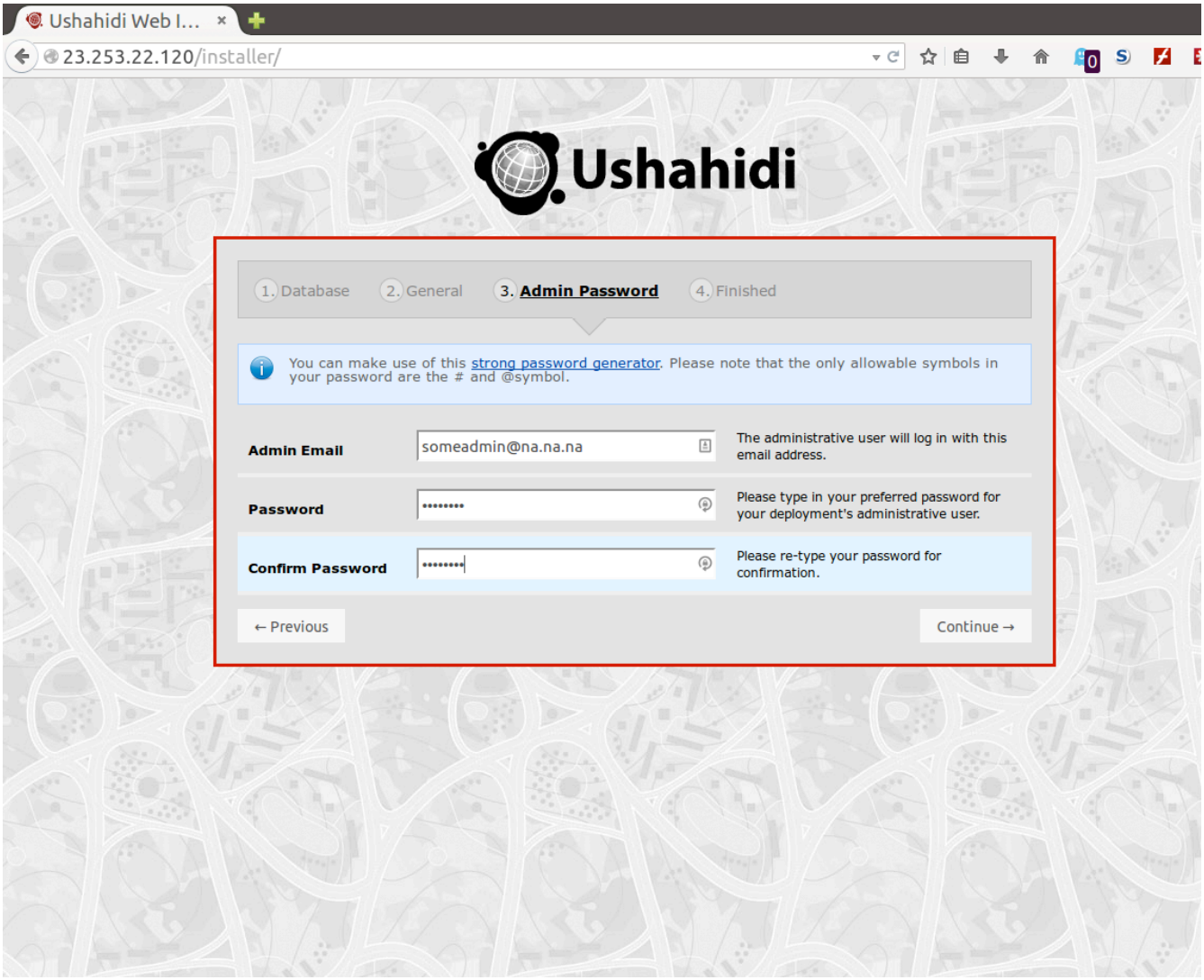
11. Fill in the Database details, and click “Continue” when ready.



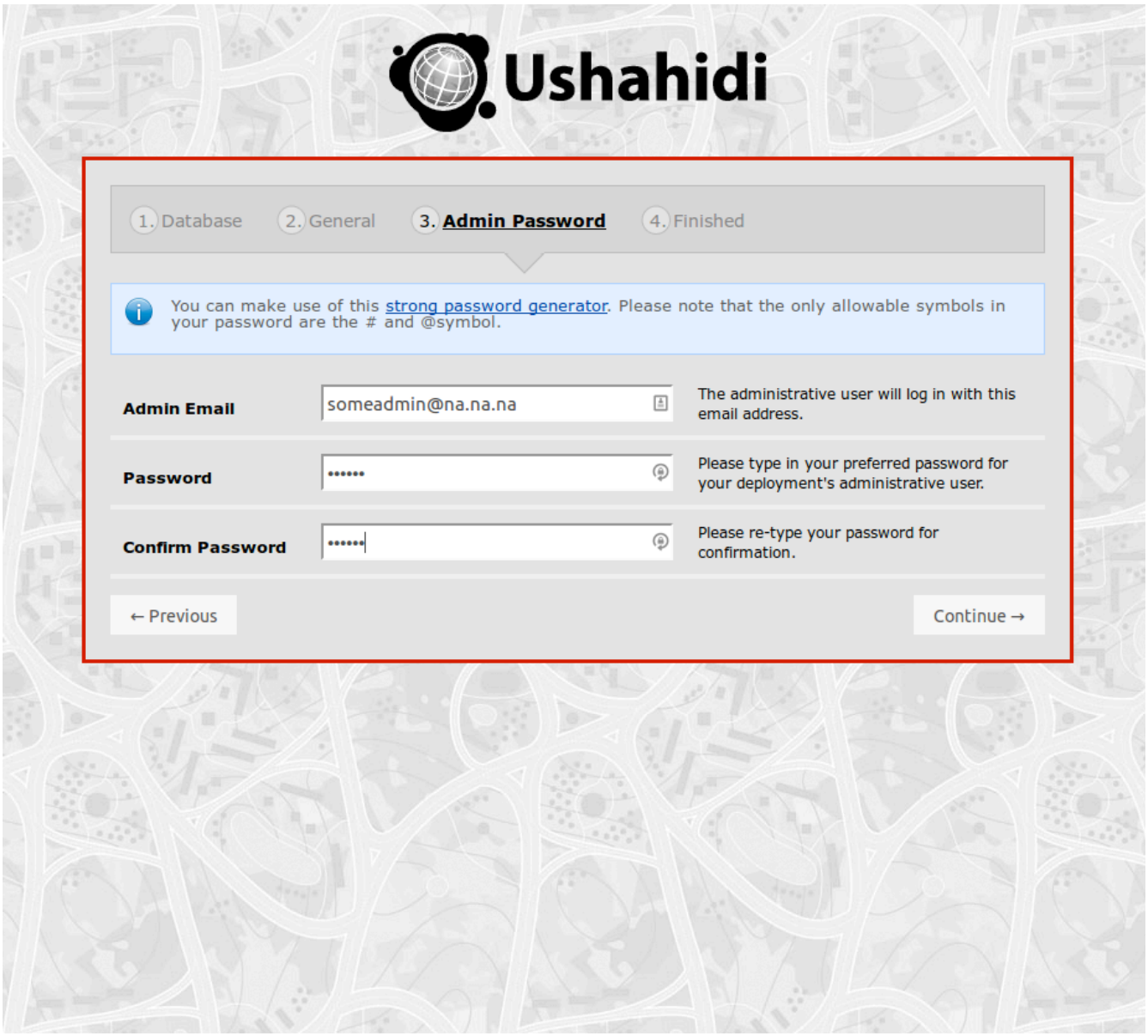
12. Fill in the General details, and click “Continue” when ready.



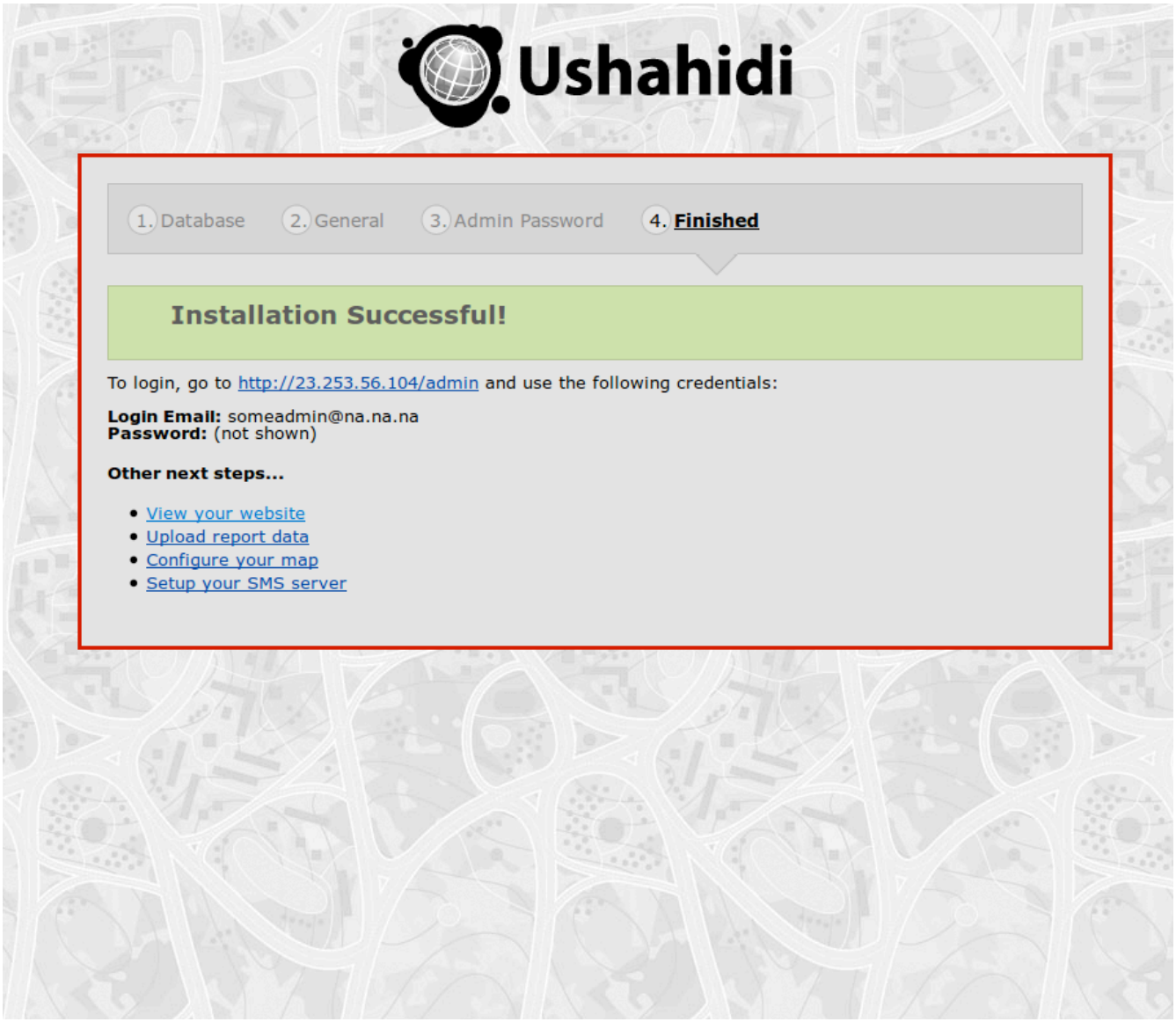
13. Fill in the password admin page, and click continue when ready.



13. Fill in the Admin account information, and click “Continue” when ready.



14. If all went well, then you should have:



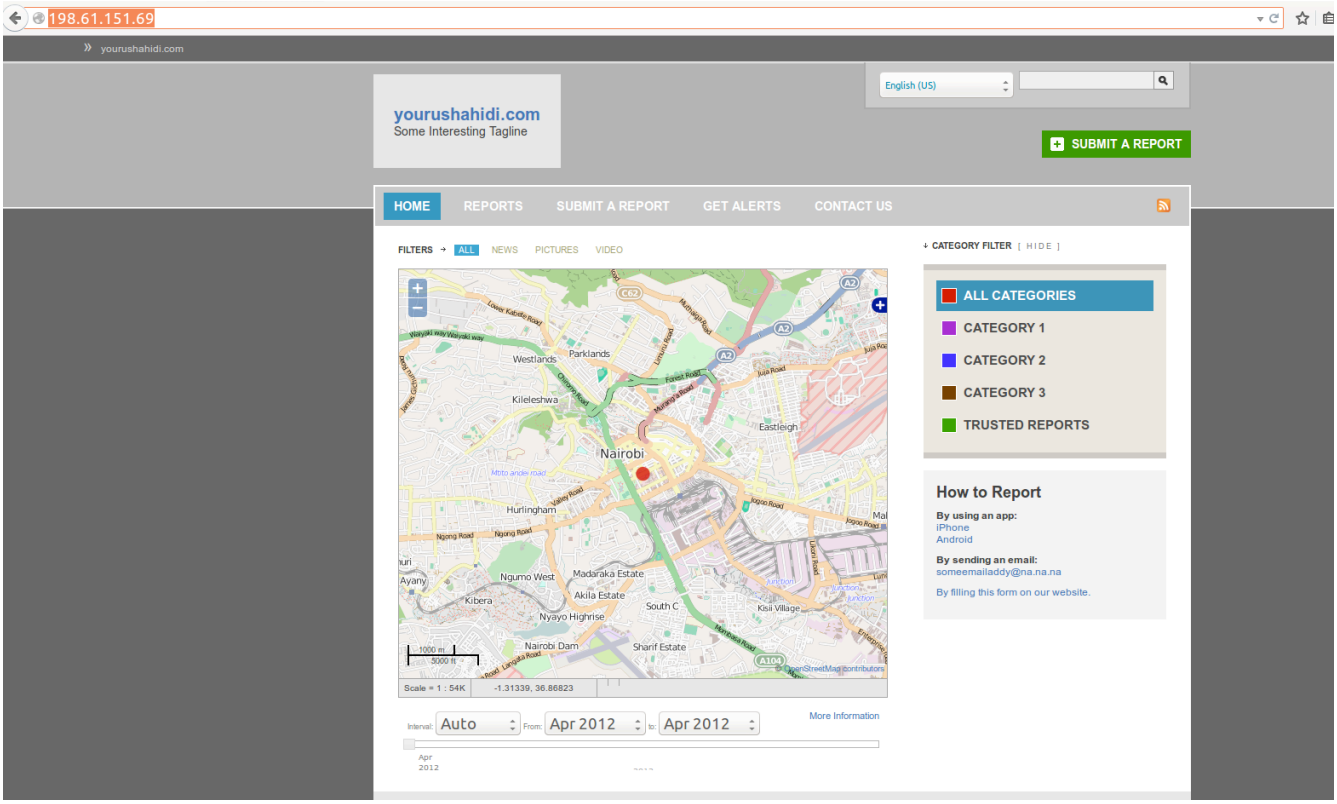

14. Now let's go ahead and rsync our application from the node we just configured, over to our other node. Assuming you are SSH'd into our just configured application node, go ahead and create another id file for SSH, and rsync over the application directory to the other node:

```
  $ vi id_ushahidi
    $ chmod 0600 id_ushahidi
    $ eval `ssh-agent`
    $ ssh-add id_ushahidi
    $ rsync -azpP --delete /var/www/vhosts/application/current/application/config\
root@<ip of other server>:/var/www/vhosts/application/current/application/config
```

15. Now let's go ahead and rsync our application from the node we just configured over to our other node. Assuming you are SSH'd into our just configured application node, go ahead and create another id file for SSH, and rsync over the application directory to the other node:

```
  # vi id_ushahidi
    # chmod 0600 id_ushahidi
    # eval `ssh-agent`
    # ssh-add id_ushahidi
    # rsync -azpP --delete /var/www/vhosts/application/current/ \
root@<ip of other server>:/var/www/vhosts/application/current/
    # scp -i id_ushahidi /etc/apache2/sites-enabled/myushahidi.com.conf  \
root@<ip of other server>:/etc/apache2/sites-enabled/myushahidi.com.conf
    # ssh root@<ip of other server> service apache2 restart
```

16. Now, go ahead and browse to http://(you load balancer IP)




16. Todo:

Remove installer
Add DNS records
Configure SSL certificates
Configured shared storage using gluster for media/uploads directory replication