

Apologies

slicehost

slicehost

I work here.

Deploying Rails Applications on a Slicehost VPS

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What is a VPS?

What is a VPS?

(We call them “Slices”)

According to Wikipedia

A **virtual private server** is a method of partitioning a physical server computer into multiple servers that each has the appearance and capabilities of running on its own dedicated machine. Each virtual server can run its own full-fledged operating system, and each server can be independently rebooted.

According to Jared

A **virtual private server** is a magic box that places power in the hands of the developer, assuming knowledge of sophisticated spells like **ssh**, **grep**, and the all-powerful **magic missile**.

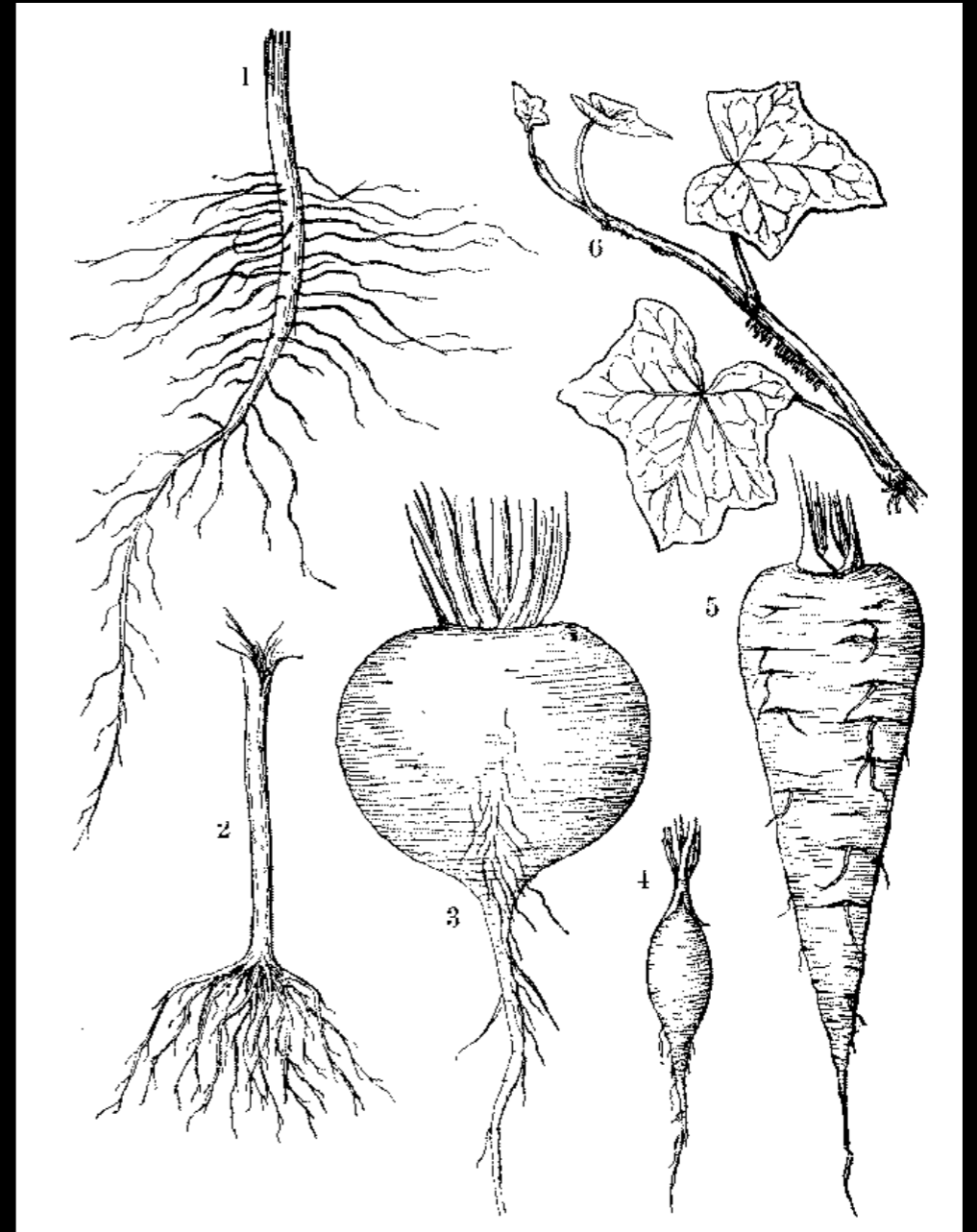


CAST
MAGIC
MISSILE

But seriously folks...



+





Who needs a VPS?



PSYCH!



LOL
YOU FUNNEH!

No way!

It's for real, true, honest-to-goodness, actual, nonfictional, real-life...

THEIR CRIME IS CURIOSITY

HACKERS

Good for...





Rails
Camping
Merb
et cetera





Django
TurboGears
Pylons
etc cetera

Anything?

Not quite.



Installation

Install Prerequisite Software

Apt-get?

```
$ sudo apt-get install ruby mysql-server  
rubygems ruby1.8-dev build-essential  
libmysql-ruby irb nginx subversion
```

```
$ sudo gem update
```

```
$ sudo gem update --system
```

```
* Note: gem error: /usr/bin/gem:23:  
uninitialized constant Gem::GemRunner  
(NameError)
```

```
$ sudo gem update
```

```
$ sudo gem update --system
```

```
* Note: gem error: /usr/bin/gem:23:  
uninitialized constant Gem::GemRunner  
(NameError)
```

```
FIX: add "require 'rubygems/gem_runner'"  
after "require 'rubygems'" in /usr/bin/gem
```

```
$ sudo gem install rails
```

```
$ sudo gem install mongrel_cluster
```

Create Database

```
$ mysql -u root -p  
> create database myapp;  
> GRANT ALL ON myapp.*  
    TO 'myuser'@'localhost'  
    IDENTIFIED BY 'mypassword';
```

Create Repository

```
$ svnadmin create repository/
```

Import Project

Import Project

(from your local machine)

```
$ svn import myapp \  
  svn+ssh://example.com/home/jared/repository/myapp \  
  -m 'Initial import'  
$ mv myapp myapp-old  
$ svn co svn+ssh://example.com/home/jared/repository/myapp
```

Setup Capistrano

```
$ capify .
$ mongrel_rails cluster::configure -e production -p 3000 -a
  127.0.0.1 -N 3 -c /var/www/myapp/current
$ svn add Capfile config/mongrel_cluster.yml config/deploy.rb
$ svn ci -m 'Adding Mongrel cluster and Capistrano information'
$ cap deploy:setup
$ cap deploy:cold
```

http://example.com:3000



Welcome aboard

You're riding Ruby on Rails!

[About your application's environment](#)

Getting started

Here's how to get rolling:

1. **Create your databases and edit `config/database.yml`**
Rails needs to know your login and password.
2. **Use `script/generate` to create your models and controllers**
To see all available options, run it without parameters.
3. **Set up a default route and remove or rename this file**
Routes are set up in `config/routes.rb`.

 the Rails site

Join the community

- [Ruby on Rails](#)
- [Official weblog](#)
- [Mailing lists](#)
- [IRC channel](#)
- [Wiki](#)
- [Bug tracker](#)

Browse the documentation

- [Rails API](#)
- [Ruby standard library](#)
- [Ruby core](#)

Surviving a Reboot

```
$ crontab -e
```

```
@reboot mongrel_rails cluster::start -C \  
/var/www/myapp/current/config/mongrel_cluster.yml
```

What about port 80?

Nginx?

Nginx?

(It's pronounced "engine-x")







```
upstream mongrel {
    server 127.0.0.1:3000;
    server 127.0.0.1:3001;
    server 127.0.0.1:3002;
}

server {
    listen 80;
    server_name .example.com;
    root /var/www/myapp/current/public;

    location / {
        if (-f $request_filename/index.html) {
            rewrite (.*) $1/index.html break;
        }

        if (!-f $request_filename) {
            proxy_pass http://mongrel;
        }
    }
}
```

http://example.com/



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What now?

```
# Make some changes
$ svn ci
$ cap deploy
# Lather, rinse repeat
```

<http://articles.slicehost.com>



Fin

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