Source: <http://railscasts.com/episodes/253-carrierwave-file-uploads?view=asciicast>

**Step1**

**Gemfile:**

gem 'carrierwave'

gem 'rmagick', '2.13.1'

gem 'fog'

**Step2**

$ rails g model avatar avtarable\_type avtarable\_id:integer image

$ rails g uploader image

$ rake db:migrate

**Step3** Update

**models/avatar.rb**

**class** **Avatar** **<** ActiveRecord**::**Base

attr\_accessible :avatarable\_id, :avatarable\_type, :image, :remote\_image\_url

*# Relations*

belongs\_to :avatarable, polymorphic: **true**

mount\_uploader :image, ImageUploader

**end**

**In models/project.rb**

i) add **avatar\_attributes** as accessible

ii) add **relation** to the avatar model

iii) add **accepts\_nested\_attributes** call

**class** **Project** **<** ActiveRecord**::**Base

attr\_accessible :**avatar\_attributes**

*# Relations*

has\_one :avatar, :as **=>** :avatarable, :dependent **=>** :destroy

accepts\_nested\_attributes\_for :avatar

**end**

**models/user.rb**

**class** **User** **<** ActiveRecord**::**Base

attr\_accessible :avatar\_attributes

*# Relations*

has\_one :avatar, :as **=>** :avatarable, :dependent **=>** :destroy

accepts\_nested\_attributes\_for :avatar

**models/image\_uploader.rb**

**class** **ImageUploader** **<** CarrierWave**::**Uploader**::**Base

*# Include RMagick or MiniMagick support:*

**include** CarrierWave**::**RMagick

*# include CarrierWave::MiniMagick*

*# Include the Sprockets helpers for Rails 3.1+ asset pipeline compatibility:*

*# include Sprockets::Helpers::RailsHelper*

*# include Sprockets::Helpers::IsolatedHelper*

*# Choose what kind of storage to use for this uploader:*

*#storage :file*

storage :fog

*# Override the directory where uploaded files will be stored.*

*# This is a sensible default for uploaders that are meant to be mounted:*

**def** **store\_dir**

"uploads/#{model**.**class**.**to\_s**.**underscore}/#{mounted\_as}/#{model**.**id}"

**end**

*# Provide a default URL as a default if there hasn't been a file uploaded:*

*# def default\_url*

*# # For Rails 3.1+ asset pipeline compatibility:*

*# # asset\_path("fallback/" + [version\_name, "default.png"].compact.join('\_'))*

*#*

*# "/images/fallback/" + [version\_name, "default.png"].compact.join('\_')*

*# end*

*# Process files as they are uploaded:*

*# process :scale => [200, 300]*

*#*

*# def scale(width, height)*

*# # do something*

*# end*

*# Create different versions of your uploaded files:*

version :thumb **do**

process :resize\_to\_limit **=>** **[**200, 200**]**

**end**

*# Add a white list of extensions which are allowed to be uploaded.*

*# For images you might use something like this:*

*# def extension\_white\_list*

*# %w(jpg jpeg gif png)*

*# end*

*# Override the filename of the uploaded files:*

*# Avoid using model.id or version\_name here, see uploader/store.rb for details.*

*# def filename*

*# "something.jpg" if original\_filename*

*# end*

**end**

**config/initializers/fog.rb**

CarrierWave**.**configure **do** **|**config**|**

config**.**fog\_credentials **=** {

:provider **=>** 'AWS',

:aws\_access\_key\_id **=>** ENV**[**'AM\_ACCESS\_KEY\_ID'**]**,

:aws\_secret\_access\_key **=>** ENV**[**'AM\_SECRET\_ACCESS\_KEY'**]**,

*# :region => 'eu-west-1' # optional, defaults to 'us-east-1'*

}

config**.**fog\_directory **=** "RFC-#{Rails**.**env}" *# required*

config**.**asset\_host **=** 'https://s3.amazonaws.com' *# optional, defaults to nil*

config**.**fog\_public **=** **false** *# optional, defaults to true*

config**.**fog\_attributes **=** {'Cache-Control'**=>**'max-age=315576000'} *# optional, defaults to {}*

**end**

**routes.rb**

resources :users **do** *# Important note: The devise\_for :users route must be placed above :users*

resources :avatars

resources :locations

**end**

**\_form.html.haml**

= simple\_form\_for @project **do** **|**f**|**

= f**.**error\_notification

**.pull-right**

- **if** @project**.**avatar

= image\_tag @project**.**avatar**.**image\_url(:thumb)**.**to\_s

= f**.**fields\_for :avatar, @project**.**avatar **||** Avatar**.**new **do** **|**a**|**

= a**.**file\_field :image

**.form-inputs**

= f**.**input :name

= f**.**input :title, :input\_html **=>** {:style **=>** 'width:90%'}

= f**.**input :description, :as **=>** :ckeditor, :input\_html **=>** { :toolbar **=>** 'Basic' }

**.form-actions**

= f**.**button :submit, :value **=>**'Continue', :class **=>** 'btn btn-primary'

**show.html.haml**

**.container-fluid**

**.row-fluid**

**.span9**

**.pull-left**

- **if** @user**.**avatar

= image\_tag @user**.**avatar**.**image\_url(:thumb)**.**to\_s

<https://console.aws.amazon.com/s3/home?#>

In the S3 Management Console, make bucket for three buckets for development, staging and production environment.