



Friday, February 10, 12

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# The problem.



EdgeCase  
software solutions

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# The problem.



Uh, yeah, thanks,  
but RubyGems works  
just fine for me.



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“ Bundler makes it easy to make sure that your application has the dependencies it needs to start up and run without errors. ”

★★★★★ - *The Bundler Web Site*

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# Install It

```
/ ~ gem install bundler  
Successfully installed bundler-1.0.21  
1 gem installed
```

# > bundle

# > bundle init

```
/tmp/new_project ~ bundle init  
Writing new Gemfile to /private/tmp/new_project/Gemfile  
  
/tmp/new_project ~ ls -al  
-rw-r--r--  1 edgecase  wheel   63 Jan 31 09:55 Gemfile
```

## Anatomy of a Gemfile

# A Sample Gemfile

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "1.4.0"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



## Gem Sources

```
source "http://rubygems.org" —————> where to look for gems

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "1.4.0"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



# A Simple Gem Inclusion

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "1.4.0"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



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# Specific Source

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "1.4.0"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



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# Specific Version

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "1.4.0"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



only use version 1.4.0

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# Specific Version Range

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", ">= 1.4.0", "< 1.5"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```



pull latest version of gem  
between 1.4.0 to 1.5

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# Specific Version Range

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "~> 1.4"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```

pull latest version of gem  
between 1.4.0 to 1.5  
(more succinct)

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# Groupings

```
source "http://rubygems.org"

gem "fastercsv"
gem "magic-bus", :git => "git@github.com:edgecase/magic-bus.git", :branch => "gemspec"
gem "json", "~> 1.4"

group :development do
  gem "passenger"
  gem "pry"
end

group :test do
  gem "ruby-debug"
  gem "factory_girl"
end

group :production do
  gem "newrelic_rpm"
end
```

only includes these gems in  
development environment

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# Okay, so how do I use it?

## > bundle install

```
~ bundle install
Fetching source index for http://rubygems.org/

Using coderay (1.0.5)
Using fastercsv (1.5.4)
Installing method_source (0.7.0)
Installing nokogiri (1.5.0) with native extensions
Installing slop (2.4.3)
Installing pry (0.9.8.1)
Installing rack (1.4.1)
Using rack-test (0.6.1)
Installing rdoc (2.4.3)
Installing timecop (0.3.5)
Installing webrat (0.7.3)
Using bundler (1.0.21)
```

# Gemfile.lock



# Gemfile.lock

```
GEM
remote: http://rubygems.org/
specs:
  coderay (1.0.5)
  fasterscv (1.5.4)
  method_source (0.7.0)
  nokogiri (1.5.0)
  pry (0.9.8.1)
    coderay (~> 1.0.5)
    method_source (~> 0.7)
  slop (>= 2.4.3, < 3)
  rack (1.4.1)

PLATFORMS
  ruby

DEPENDENCIES
  fasterscv
  pry
  rdoc (= 2.4.3)
  timecop
  webrat
```

# Gemfile.lock



“Well, it works on my machine”

## How can I break the lock?

## > bundle update

```
/tmp/new_project ~ bundle update
```

```
Fetching source index for http://rubygems.org/  
Using coderay (1.0.5)  
Using fastercsv (1.5.4)  
Installing json (1.6.5) with native extensions  
Using method_source (0.7.0)  
Using nokogiri (1.5.0)  
Using slop (2.4.3)  
Using pry (0.9.8.1)  
Using rack (1.4.1)  
Using rack-test (0.6.1)  
Installing rdoc (3.12)  
Using timecop (0.3.5)  
Using webrat (0.7.3)  
Using bundler (1.0.21)  
Your bundle is updated! Use `bundle show [gemname]` to see where a bundled  
gem is installed.
```

## > bundle update mygem

> bundle exec

> bundle pack



# Credits

- Lost Suitcase  
<http://doverpl.blogspot.com/>
- Master Lock  
<http://onekit.enr-corp.com/>
- Ruby Image:  
<http://www.dyrathror.com/>