

# Logging in RoR

a very brief overview  
by Marty Andrews

built in logger

## environment.rb

```
Rails::Initializer.run do |config|
  config.logger = Logger.new
  config.log_level = :debug
  config.log_path = "log/myfilename.log"
  config.whiny_nils = true
  config.active_record.logger = Logger.new
  config.active_record.colorize_logging = false
  config.action_controller.logger = Logger.new
  config.action_mailer.logger = Logger.new
end
```

```
class SampleController < ApplicationController
  def do_logging
    logger.debug("what?")
    logger.info("done")
    logger.warn("uh oh")
    logger.error("bang!")
    logger.fatal("KABOOM")
  end
end
```

```
what?
done
uh oh
bang!
KABOOM
```

not very pretty, is it?

$\log_4 r$

## environment.rb

```
require "log4r"
```

```
Rails::Initializer.run do |config|
```

```
  Log4r::Logger.root.level = Log4r::DEBUG
```

```
  formatter = Log4r::PatternFormatter.new
```

```
    (:pattern => "[%5L] %d %30C - %m")
```

```
  Log4r::StderrOutputter.new
```

```
    ('console', :formatter => formatter)
```

```
  Log4r::Logger.new('App').add('console')
```

```
  RAILS_DEFAULT_LOGGER = Log4r::Logger.new
```

```
    ('App::Rails')
```

```
end
```

```
class SampleController < ApplicationController
  def do_logging
    logger.debug("what?")
    logger.info("done")
    logger.warn("uh oh")
    logger.error("bang!")
    logger.fatal("KABOOM")
  end
end
```

```
[ DEBUG ] 2007-06-26 11:45:56 App::Rails - what?
[ INFO ] 2007-06-26 11:45:56 App::Rails - done
[ WARN ] 2007-06-26 11:45:56 App::Rails - uh oh
[ ERROR ] 2007-06-26 11:45:56 App::Rails - bang!
[ FATAL ] 2007-06-26 11:45:56 App::Rails - KABOOM
```

```
require "log4r"
```

```
class SampleController < ApplicationController
```

```
  def initialize
```

```
    @@log = Log4r::Logger.new('App::SampleController')
```

```
  end
```

```
  def do_logging
```

```
    @@log.debug("what?")
```

```
    @@log.info("done")
```

```
    @@log.warn("uh oh")
```

```
    @@log.error("bang!")
```

```
    @@log.fatal("KABOOM")
```

```
  end
```

```
end
```

```
[ DEBUG ] 2007-06-26 11:45:56 App::SampleController - what?  
[ INFO ] 2007-06-26 11:45:56 App::SampleController - done  
[ WARN ] 2007-06-26 11:45:56 App::SampleController - uh oh  
[ ERROR ] 2007-06-26 11:45:56 App::SampleController - bang!  
[ FATAL ] 2007-06-26 11:45:56 App::SampleController - KABOOM
```

# development.rb

```
config.log_level = :debug
Log4r::Logger.root.level = Log4r::DEBUG
formatter = Log4r::PatternFormatter.new(:pattern => "[%5l] %d %30C - %m")
Log4r::StderrOutputter.new('console', :formatter => formatter)
Log4r::Logger.new('App').add('console')
RAILS_DEFAULT_LOGGER = Log4r::Logger.new('App::Rails')
```

# production.rb

```
config.log_level = :warn
Log4r::Logger.root.level = Log4r::WARN
formatter = Log4r::PatternFormatter.new(:pattern => "[%5l] %d %30C - %m")
Log4r::DateFileOutputter.new('logfile', :dirname => "log", :formatter => formatter)
Log4r::Logger.new('App').add('logfile')
RAILS_DEFAULT_LOGGER = Log4r::Logger.new('App::Rails')
```