

❧ Thin ❧

# Web Server

4

**Now**

**Now**

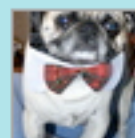
**(instead of Mongrel)**

**1<sup>st</sup>**

cool

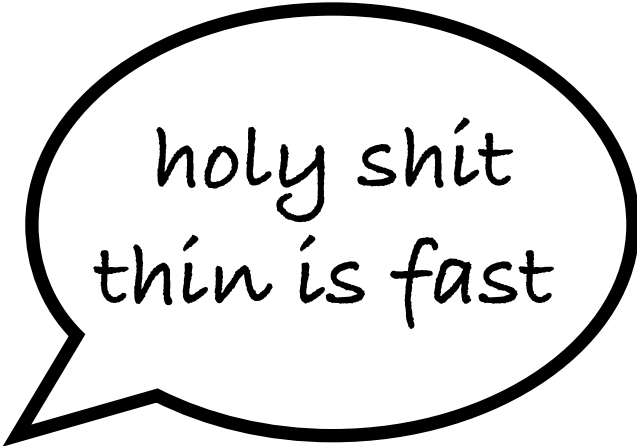
hello world app with merb-core on thin:  
2200req/sec

11:17 PM January 15, 2008 from web ★



**Ezra Zygmuntowicz**





holy shit  
thin is fast

Chris Wanstrath of

# ERR THE BLOG

Rubyisms and Railities

I wish I wrote Thín  
instead of Rails



**Refactor** `:my`  $\Rightarrow$  `'code'`

Hello.

The name's **Daniel Fischer** and this is my **blog**.



# James on Software









GITORIOUS

2<sup>nd</sup>

fast

?















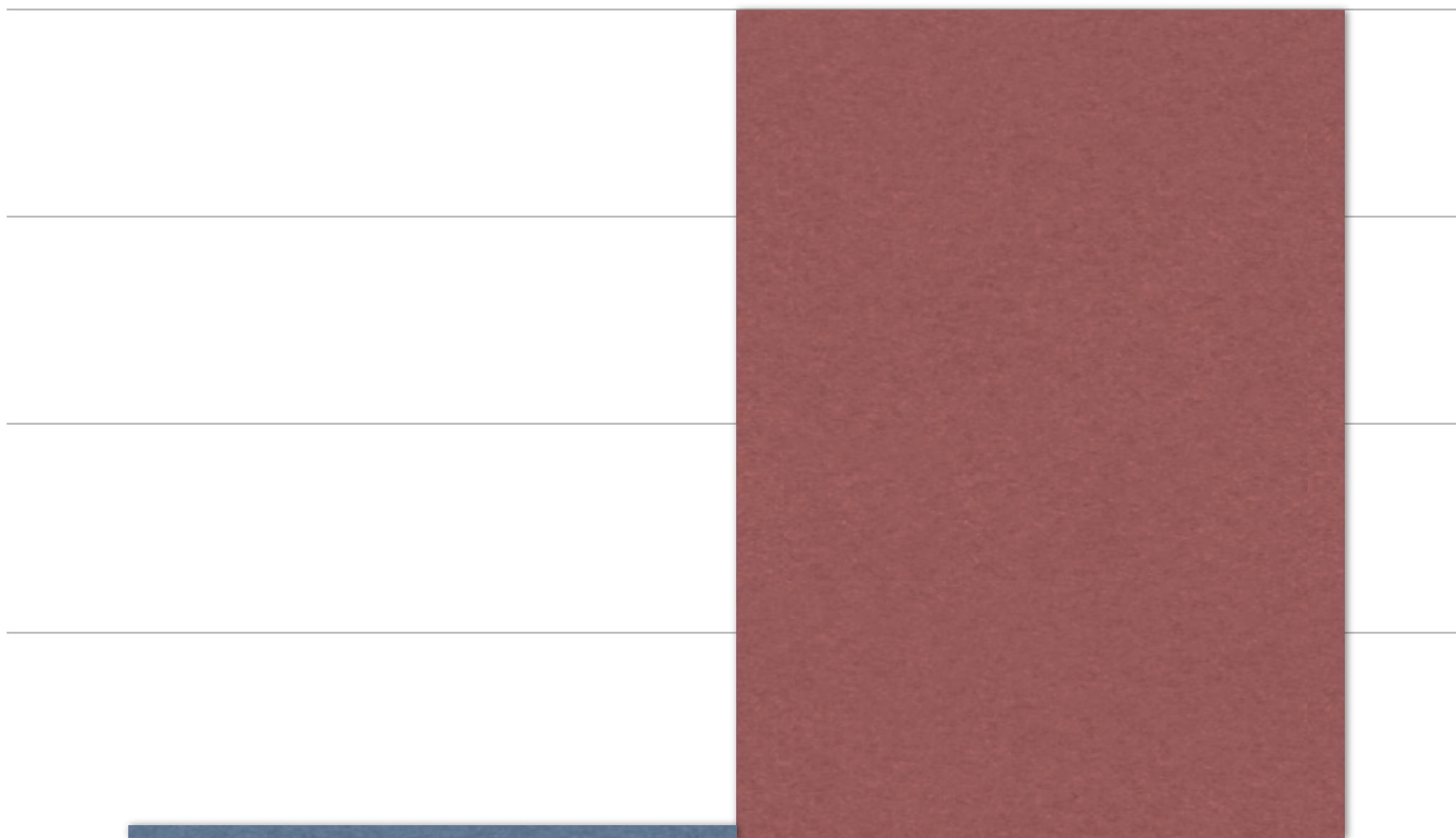
Req/sec serving HTTP requests

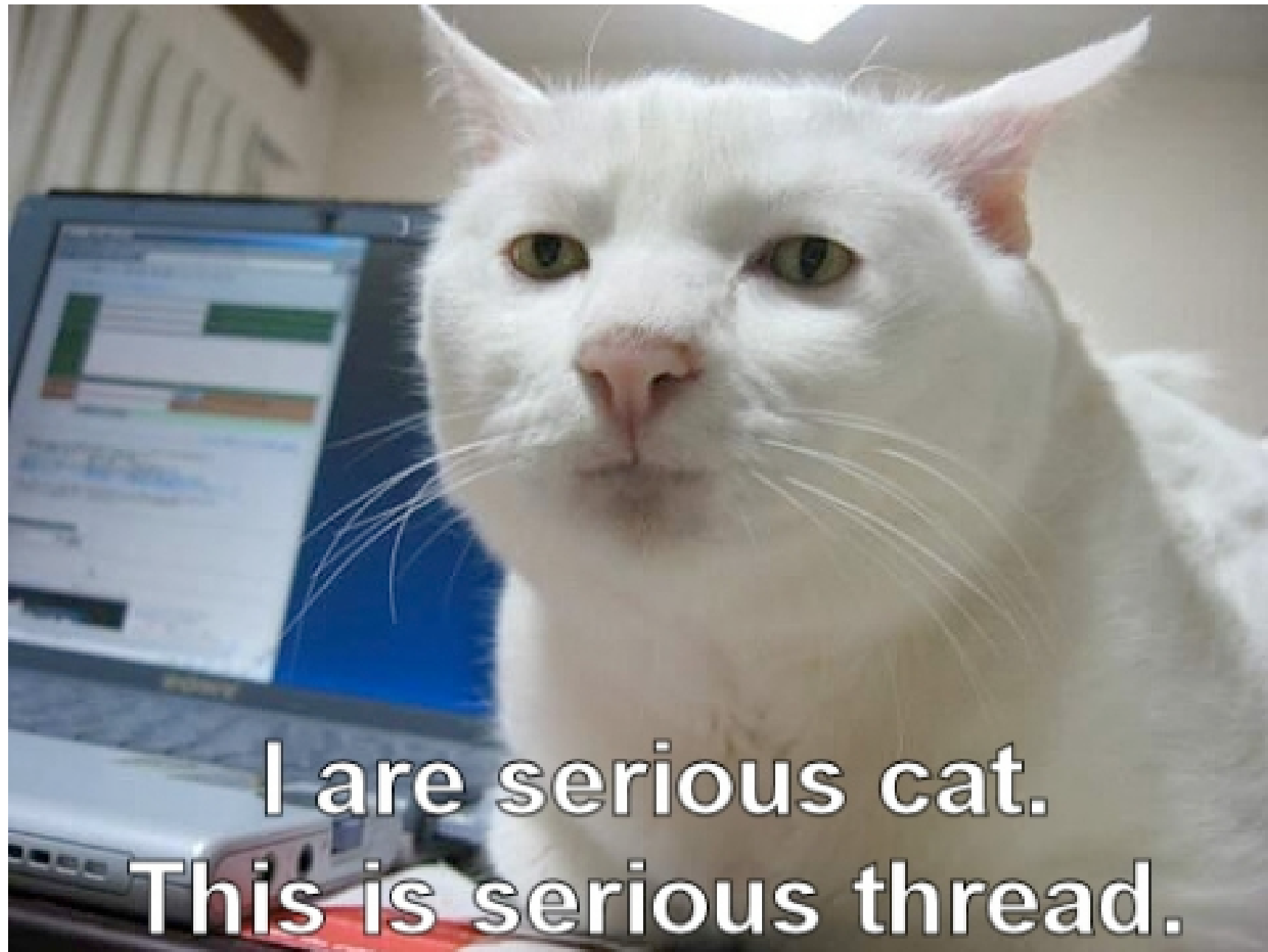


Jet



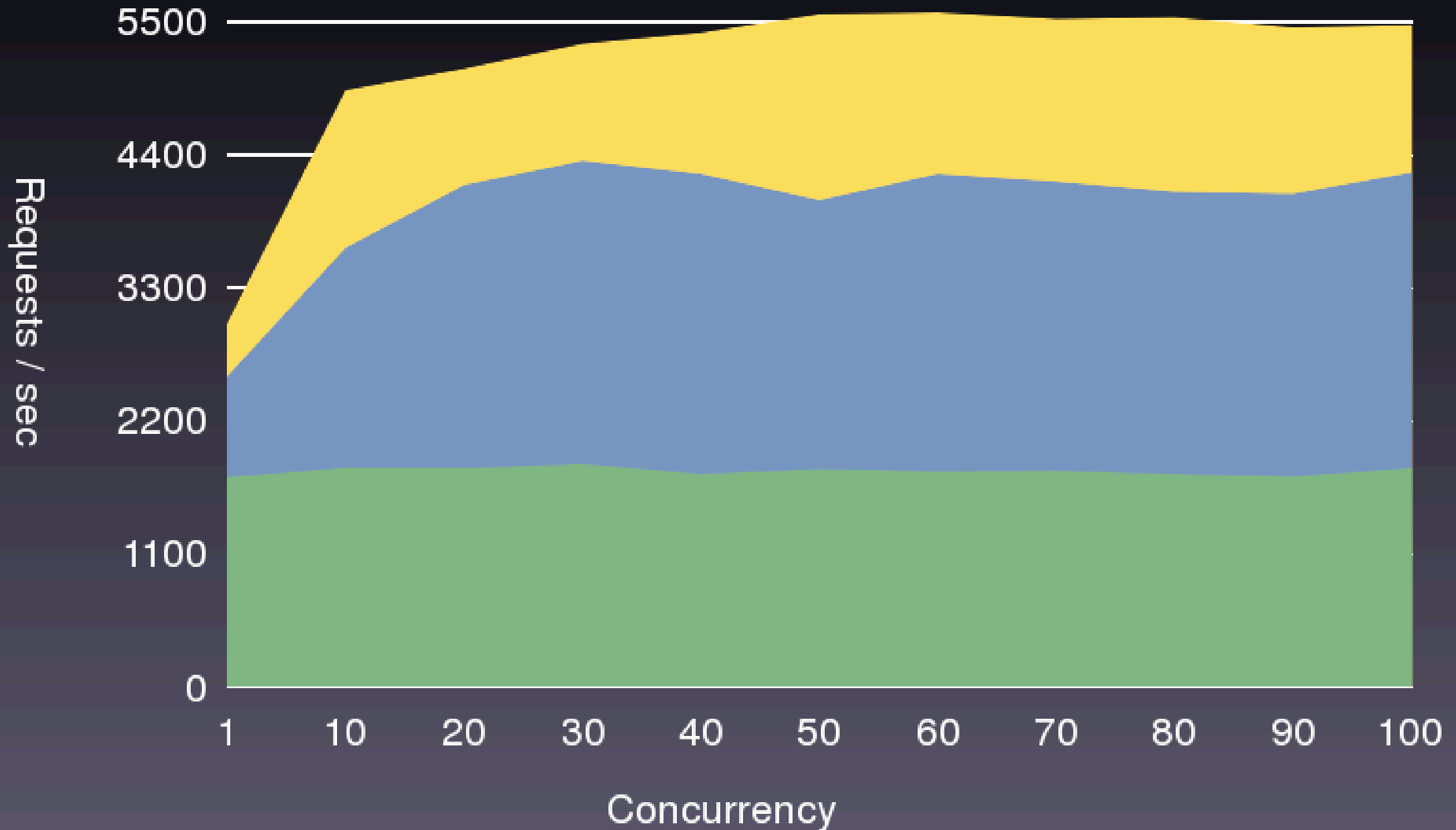
Thin





# Server benchmark (1000 requests)

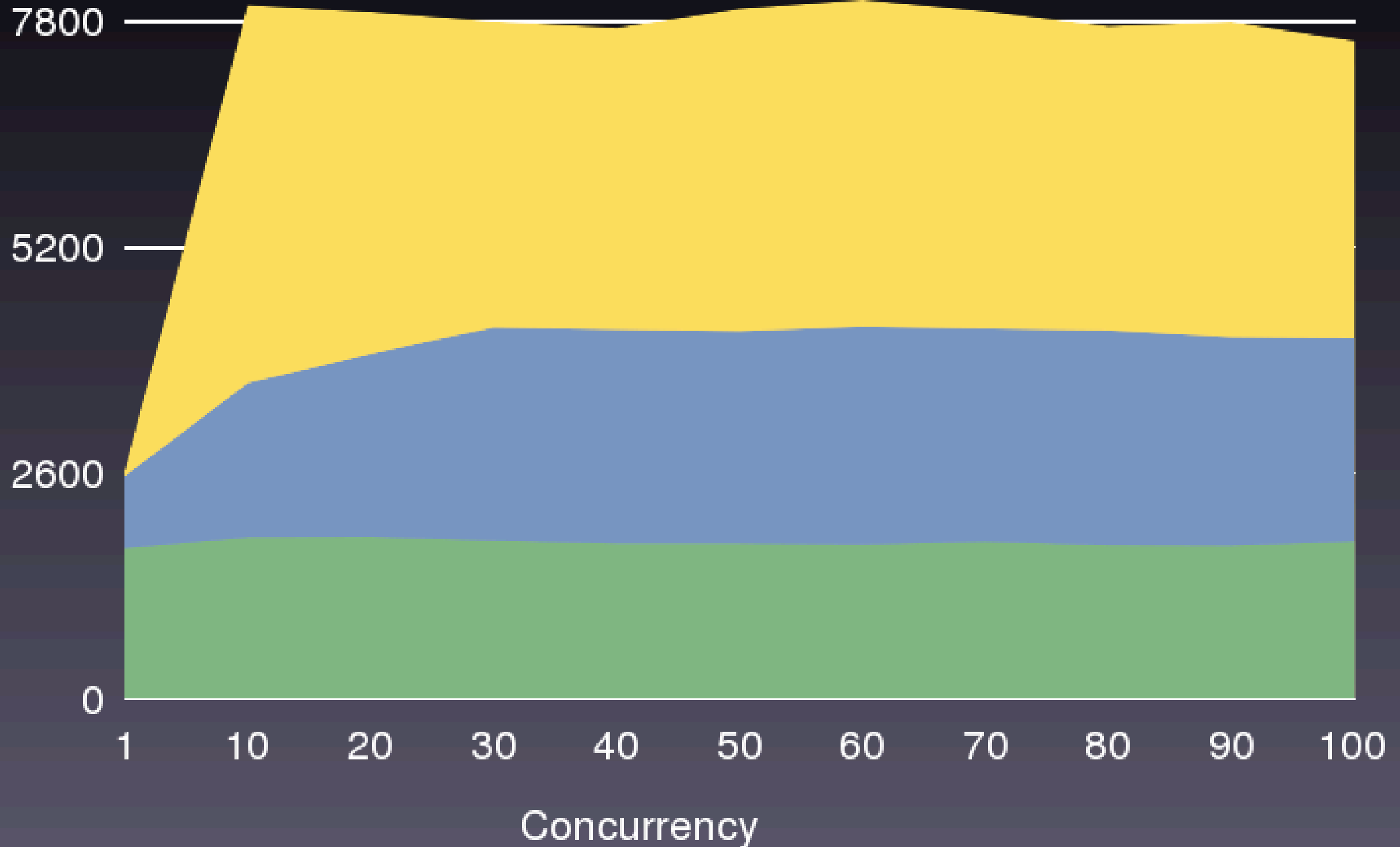
Thin EMongrel Mongrel



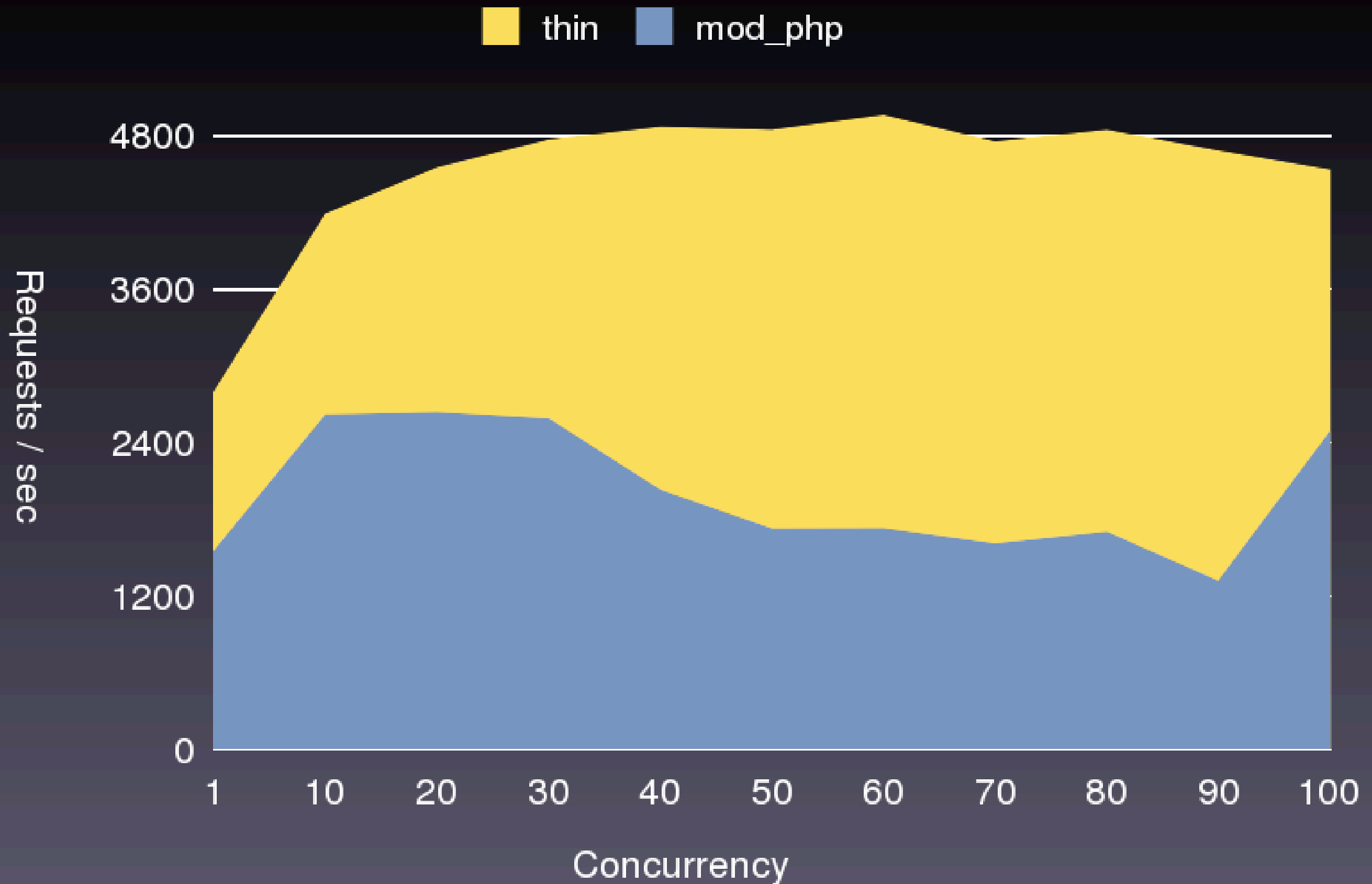
# 1000 requests w/ Keep-Alive

Thin EMongrel Mongrel

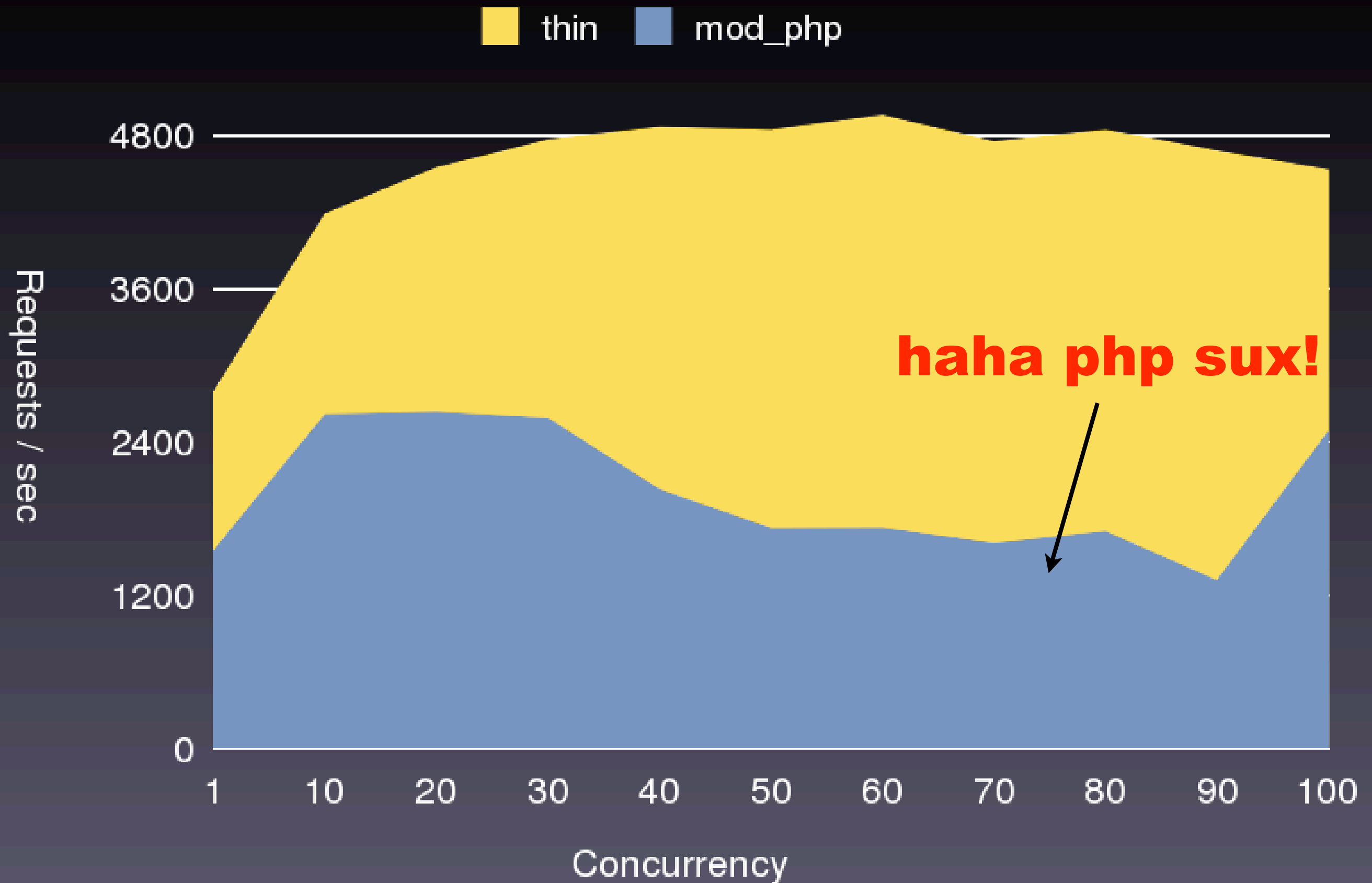
Requests / sec



# VERY OBJECTIVE Server benchmark



# VERY OBJECTIVE Server benchmark



3<sup>rd</sup>

flexible



Rails

Camping

Sinatra

D  
Ramaze

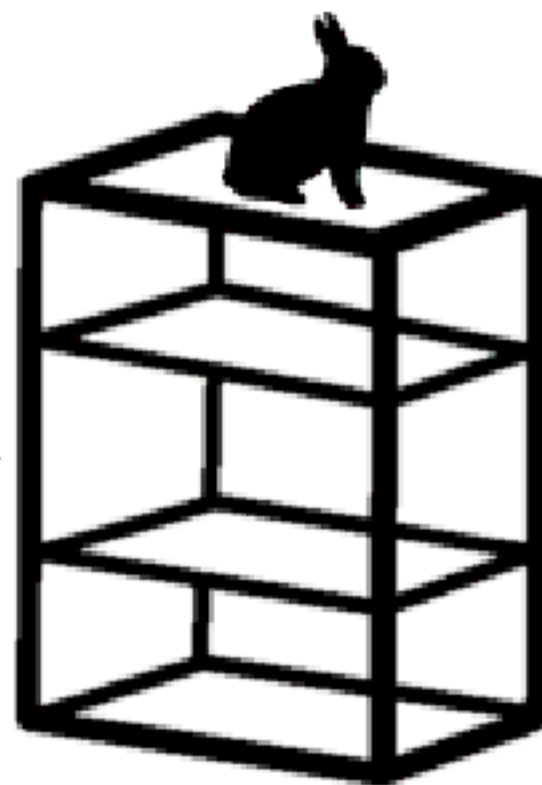
Merb



**WEBrick**

*FastCGI*

❖ Thin ❖



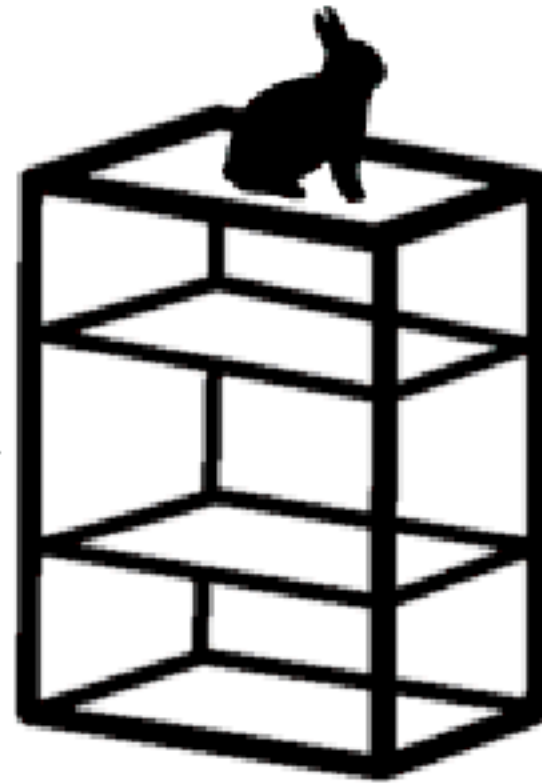
# Handlers



**WEBBrick**

*FastCGI*

❖ Thin ❖



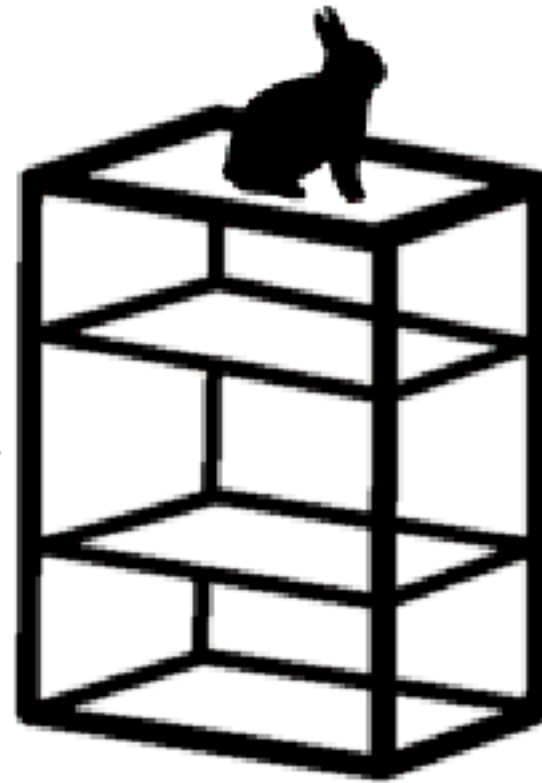
# Handlers



**WEBBrick**

*FastCGI*

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# Adapters





# Handlers

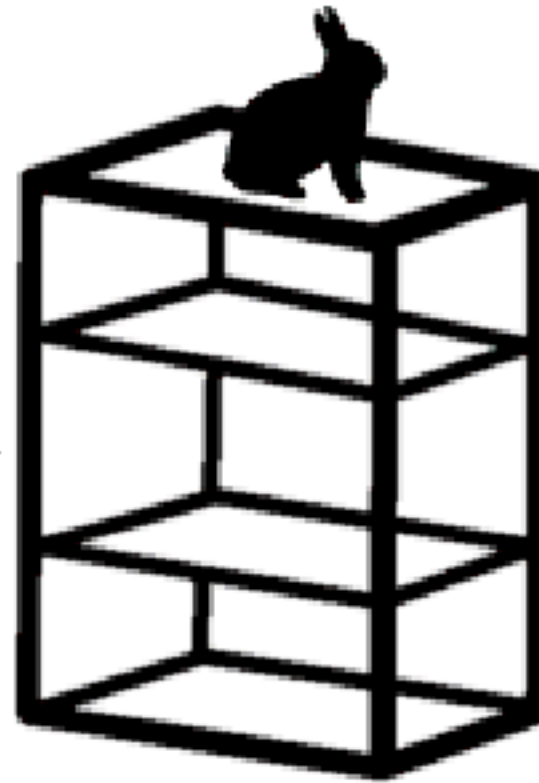


**WEBrick**

*FastCGI*

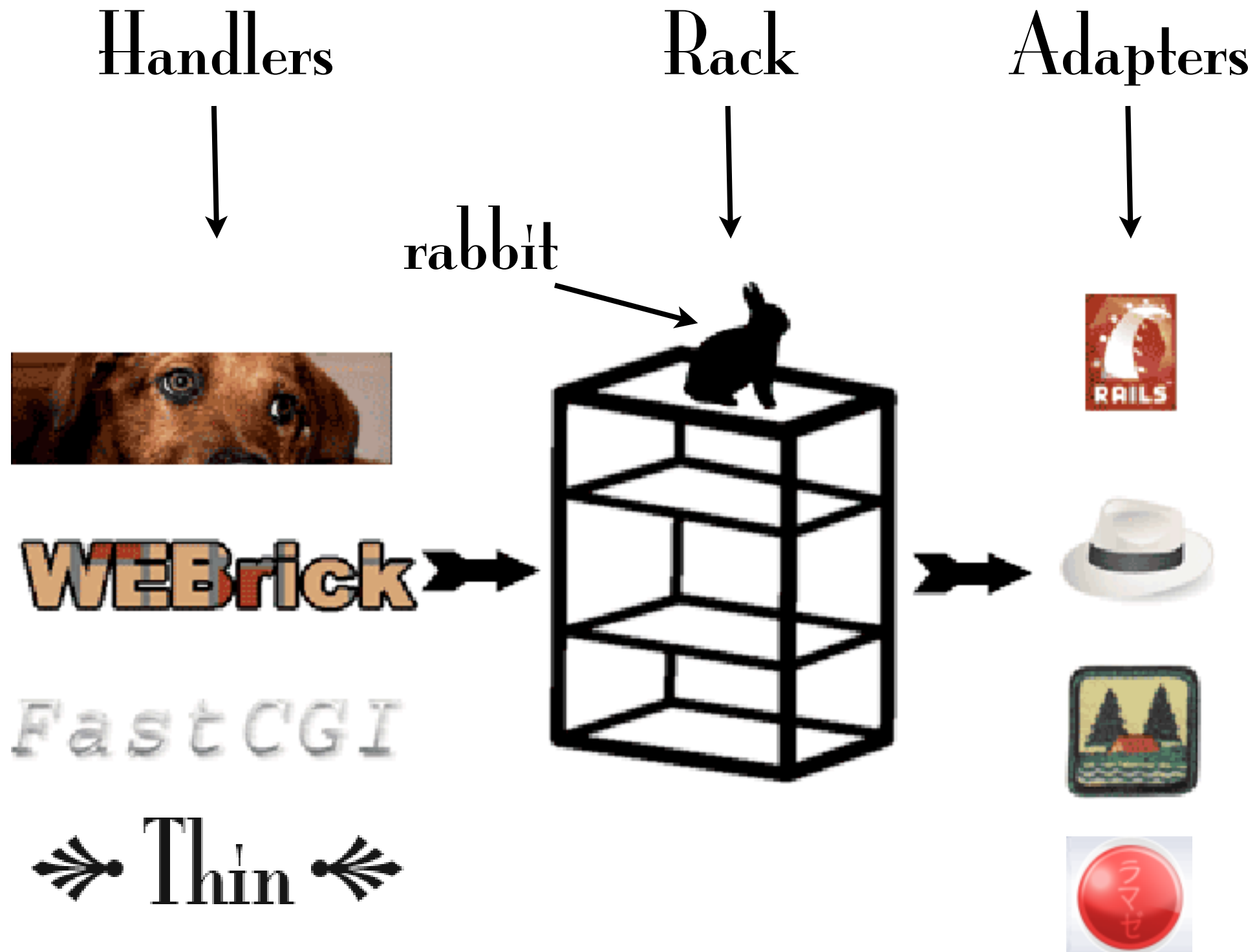
❖ Thin ❖

# Rack



# Adapters





```
class MyAdapter
  def call(env)
    [
      200,
      {
        'Content-Type' => 'text/plain',
        'Content-Length' => '7',
      },
      "kthxbai"
    ]
  end
end
```

```
app = proc do |env|  
  [  
    200,  
    {  
      'Content-Type' => 'text/plain',  
      'Content-Length' => '7',  
    },  
    "kthxbai"  
  ]  
end
```

```
Thin::Server.start('0.0.0.0', 3000) do
  use Rack::CommonLogger
  map '/test' do
    run MyAdapter.new
  end
  map '/files' do
    run Rack::File.new('.')
  end
end
```

```

require 'rubygems'
require 'thin'
require "action_controller"
require 'dispatcher'

# Rails pwned
ActionController::Base.session = { :session_key => "_myapp_session", :secret => "some secret phrase of at least 30 characters" }
ActionController::Routing.use_controllers! ['home']
ActionController::Dispatcher.unprepared = false
Dependencies.mechanism = :require

class ActionController::Dispatcher
  def prepare_application
  end
end

# And your routes
ActionController::Routing::Routes.draw do |map|
  map.root :controller => 'home'
  map.connect ':controller/:action/:id'
end

# Application code
class ::HomeController < ActionController::Base
  def index
    render :text => "fuck you to your face"
  end

  def hello
    render :text => params.inspect
  end
end

# Make Thin Happy
class LifoAdapter
  def call(env)
    rack_response = Rack::Response.new
    rack_request = Rack::Request.new(env)
    cgi = Rack::Adapter::Rails::CGIWrapper.new(rack_request, rack_response)
    ActionController::Dispatcher.dispatch(cgi, ActionController::CgiRequest::DEFAULT_SESSION_OPTIONS, rack_response)
    rack_response.finish
  end
end

# Run LifoAdapter
Thin::Server.start('0.0.0.0', 3000) do
  use Rack::CommonLogger
  run LifoAdapter.new
end

```

4<sup>th</sup>

simple



```
gem install thin
```

thin start

```
thin start --servers 3
```

```
thin start --servers 3 --swiftiply
```

thin install

lets recode Thin, ok?

Thanks!

Kevin Williams  
James Golick



Alex MacCaw  
Chad Nantais  
Aman Gupta  
Gump  
Ezra Zygmuntowicz

<http://groups.google.com/group/thin-ruby>

#thin on freenode

```
gem install thin  
cd /my/rails/app  
thin start
```