

Simplify Your Infrastructure with TorqueBox



Benjamin Browning
Senior Software Engineer
Red Hat

Who am I?

Benjamin Browning

- Senior Software Engineer @ Red Hat
- TorqueBox Lead
- JRuby contributor

TorqueBox



TorqueBox

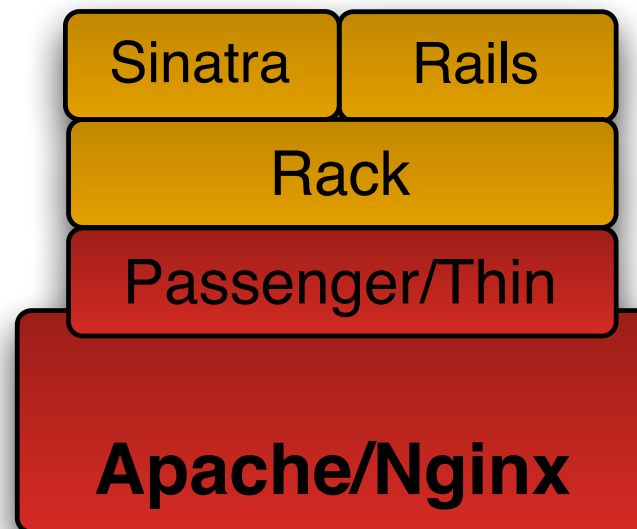
Ruby Application Server



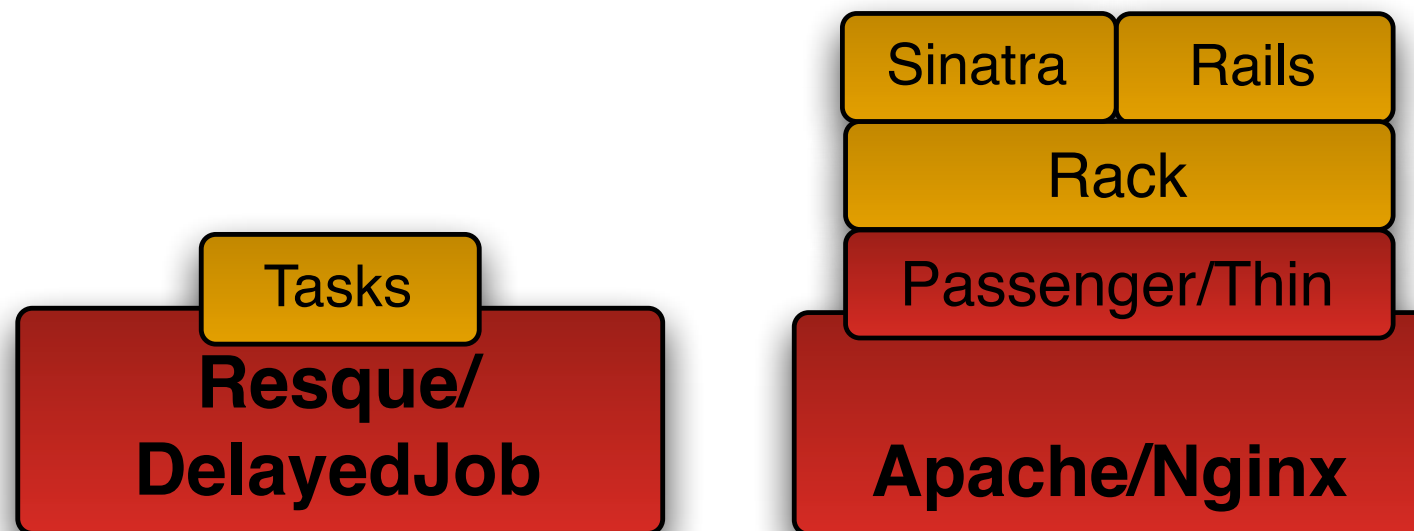


Simplify Your Infrastructure

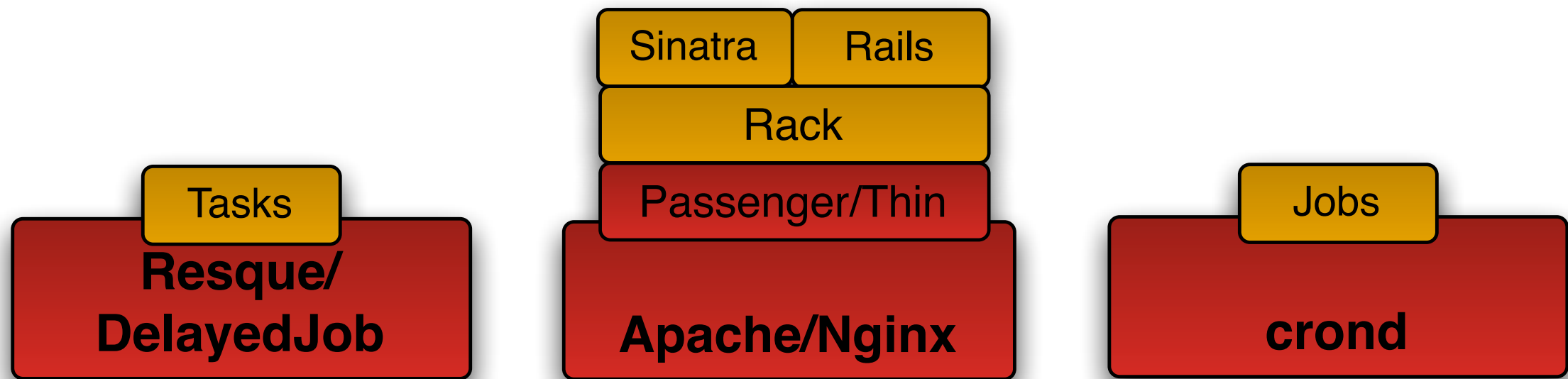
Ruby Application



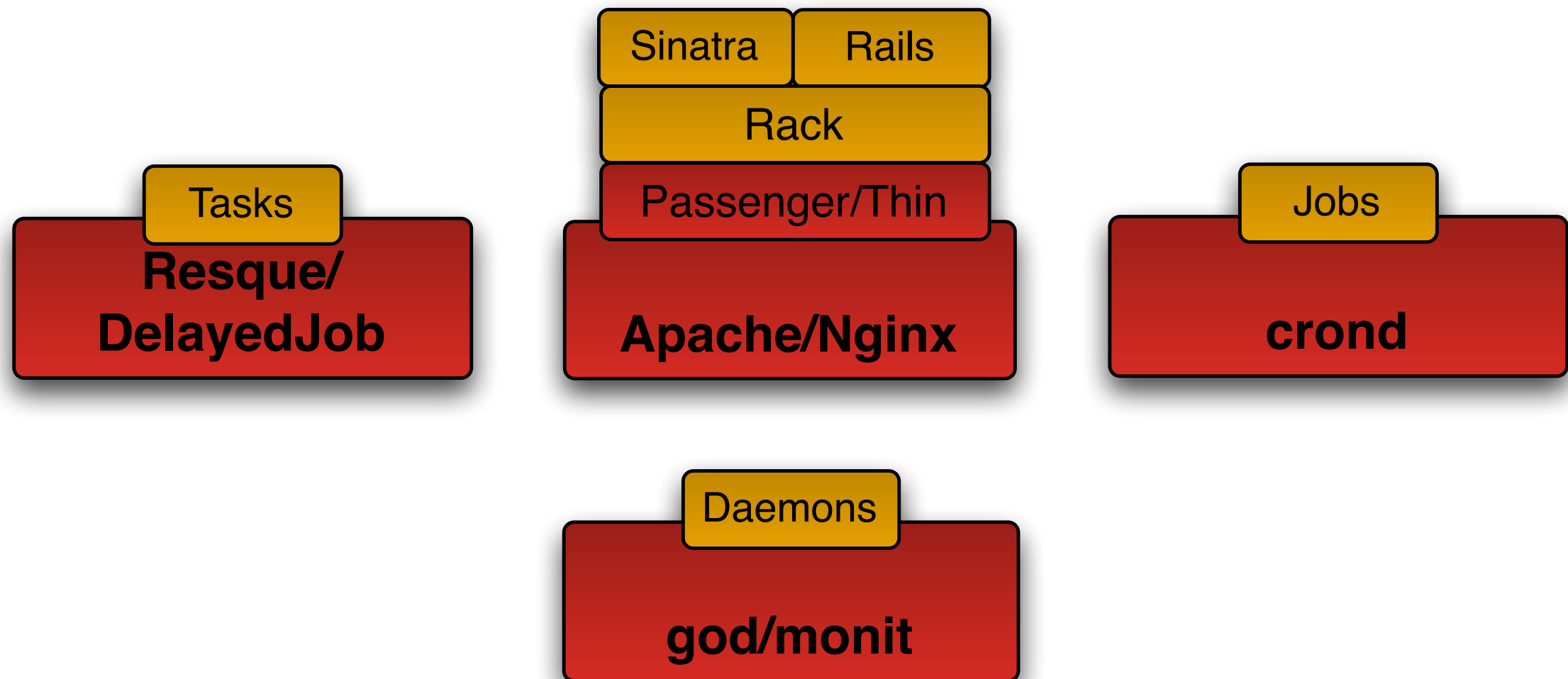
Ruby Application



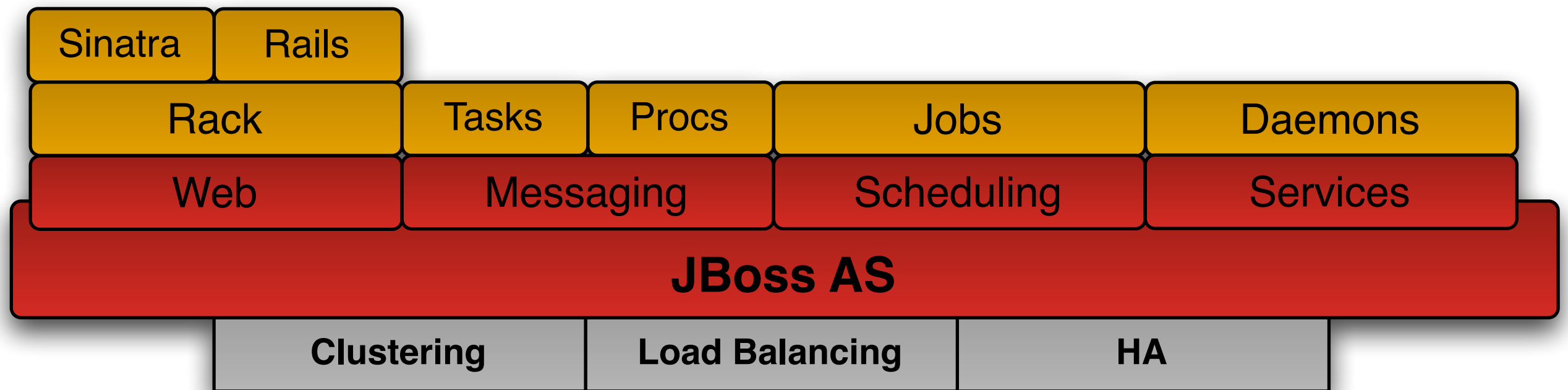
Ruby Application



Ruby Application



TorqueBox



TorqueBox

- Rails, Sinatra, and Rack applications
- Messaging
- Scheduled Jobs
- Daemons
- Caching
- Clustering
- Supported by Red Hat

TorqueBox Installation

```
$ rvm install jruby-1.7.0  
$ rvm use jruby-1.7.0  
$ gem install torquebox-server
```

Not using RVM?

On Windows?

Prefer .zip download?

<http://torquebox.org/getting-started/2.1.2/>

TorqueBox Rails Template

```
$ torquebox rails /path/to/my_app
```

<http://torquebox.org/getting-started/2.1.2/>

TorqueBox Usage

```
$ torquebox deploy /path/to/my_app  
$ torquebox run
```

<http://torquebox.org/getting-started/2.1.2/>

Background Jobs

Delayed::Job

```
class Foo
  def take_forever
    # takes a while
  end
end

foo = Foo.new
foo.delay.take_forever
```

Don't forget to setup the database table and run the worker processes

TorqueBox Backgroundable

```
class Foo
  include TorqueBox::Messaging::Backgroundable
  def take_forever
    # takes a while
  end
end

foo = Foo.new
foo.background.take_forever
```

No other setup required

Scheduled Jobs

Cron

- What if you want to run a job more than once a minute?
- What about Windows?
- rake tasks? rails runner?
- <https://www.ruby-toolbox.com/categories/scheduling>

TorqueBox Scheduled Jobs

```
class SomeJob
  def run
    # do something
  end
end
```

TorqueBox Scheduled Jobs

```
TorqueBox.configure do
  job SomeJob do
    cron '*/* * * * * ?'
  end
end
```

Long-Running Daemons

TorqueBox Services

```
class SomeService
  def initialize(options={})
    # options passed in by torquebox.rb
  end
  def start
    Thread.new { sleep_forever }
  end
  def stop
    @kissed_by_prince = true
  end
  def sleep_forever
    until @kissed_by_prince
      puts 'ZZZ'
      sleep 1
    end
  end
end
```


TorqueBox Services

```
TorqueBox.configure do
  service SomeService do
    # other optional config options
  end
end
```


Deploying JRuby

<http://pragprog.com/book/jkdepj/deploying-with-jruby>

Discount code “JRubyJoeKutner”

Resources

- <http://torquebox.org>
- <https://github.com/torquebox>
- #torquebox on IRC freenode
- @torquebox on Twitter

TorqueBox Stickers

Down front
Don't be shy
Seriously



Questions?

(Answers?)