TorqueBox

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JBoss Community

Who am I?

Benjamin Browning

- TorqueBox Lead
- JRuby contributor
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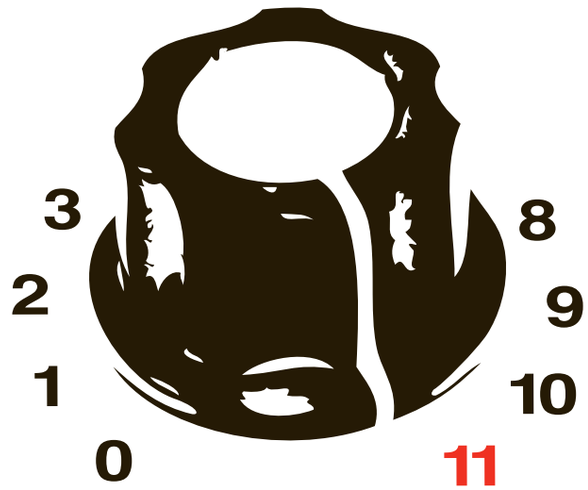
TorqueBox



JBoss Community

TorqueBox

JRuby and JBoss Application Server

JBoss Community

JRuby

Ruby on the JVM

Ruby?

Aren't most JBoss developers Java developers?

Java

```
import java.io.RandomAccessFile;
import java.security.MessageDigest;

public class CalculateDigest {
    public static void main(String[] args) throws Exception {
        RandomAccessFile file = new RandomAccessFile(args[0], "r");
        MessageDigest sha1 = MessageDigest.getInstance("SHA-1");
        int bufferSize = 16384;
        byte[] buffer = new byte[bufferSize];
        long read = 0;
        long offset = file.length();
        while (read < offset) {
            long remaining = offset - read;
            int unitSize = (int) ((remaining >= bufferSize) ? bufferSize : remaining);
            file.read(buffer, 0, unitSize);
            sha1.update(buffer, 0, unitSize);
            read += unitSize;
        }
        file.close();

        byte digest[] = sha1.digest();
        StringBuffer hexString = new StringBuffer();
        for (int i = 0; i < digest.length; i++) {
            hexString.append(Integer.toHexString(0xFF & digest[i]));
        }
        System.out.println("SHA1 digest is " + hexString);
    }
}
```

Ruby

```ruby
require 'digest/sha1'

sha1 = Digest::SHA1.new
buffer_size = 16384
File.open(ARGV.first, 'r') do |file|
  sha1.update(file.read(buffer_size)) until file.eof?
end
puts "SHA1 digest is #{sha1.hexdigest}"
```

TorqueBox

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

Ruby APIs / Programming Models

Sinatra

Rails

Rack

WebSockets STOMP

Daemons

Message Processors

Jobs

Tasks

Polyglot Injection

Java APIs / Programming Models

POJO

REST

Servlet

Spring

JMS

JavaEE

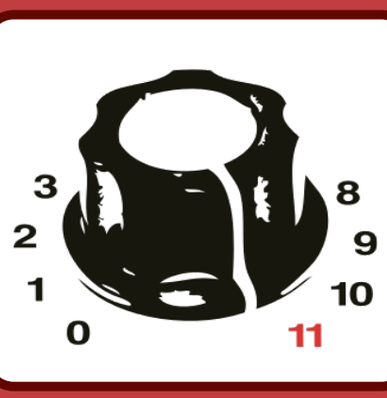
JRuby Component Deployers & Gems

Messaging

Cache

Transactions

Security



TorqueBox Core

Java Enterprise Services

JBoss Web

Infinispan

HornetQ

Quartz

PicketLink

JRuby with JIT

Managed Services Container

Java Virtual Machine

TorqueBox usage

```
bbrowning@bbrowning-mbp:~$ torquebox deploy ~/my_ruby_app
Deployed: my_ruby_app-knob.yml
    into: /Users/bbrowning/Downloads/torquebox-current/jboss/standalone/deployments
bbrowning@bbrowning-mbp:~$ torquebox run


13:07:42,920 INFO  [org.torquebox.core.runtime] (MSC service thread 1-1) Created ruby runtime
 (ruby_version: RUBY1_8, compile_mode: JIT, app: my_ruby_app, context: web) in 0.87s
13:07:43,004 INFO  [org.jboss.web] (MSC service thread 1-4) JBAS018210: Registering web conte
xt:
13:07:43,065 INFO  [org.jboss.as.server] (DeploymentScanner-threads - 1) JBAS018559: Deployed
 "my_ruby_app-knob.yml"
```

Ruby on Rails: Welcome abo

localhost:8080

Welcome aboard

You're riding Ruby on Rails!

About your application's environment

Getting started

Here's how to get rolling:

1. Use `rails generate` to create your models and controllers

   To see all available options, run it without parameters.

2. Set up a default route and remove *public/index.html*

   Routes are set up in *config/routes.rb*.

3. Create your database

   Run `rake db:create` to create your database. If you're not using SQLite (the default), edit *config/database.yml* with your username and password.

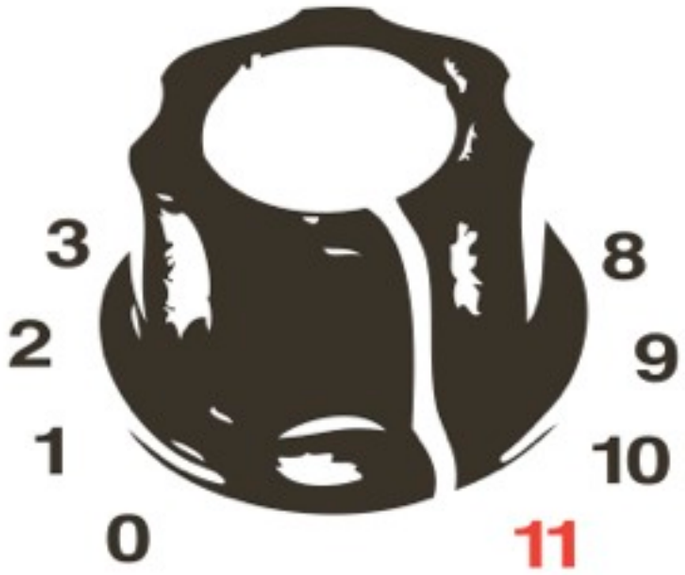
Browse the documentation

Rails Guides
Rails API
Ruby core
Ruby standard library

TorqueBox Getting Started

http://torquebox.org/getting-started/current/

Polyglot



http://torquebox.org

http://immutant.org

http://escalante.io/

http://dynjs.org/

Questions?