

**One RubyStack  
to Rule them All**

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www.BitNami.org

# me

- Daniel Liszka, Polish
- 10 years with Linux / OpenSource
- Open Source conference organizer (InterInfo\_2004) & speaker
- living in Spain / Seville now
- 2 years in BitRock, working with Ruby, RoR, **www.BitNami.org** ...

# BitNami.org

- **Easy to install**

- In just a few clicks, you can have your favorite open source applications up and running.

- **Multiplatform**

- Bitnami Stacks are available for Linux, Windows, and Mac OS X.

- **Integrated**

- By the time you click 'finish', the software will be integrated, configured and ready to go.

- **Independent**

- Bitnami Stacks won't interfere with any software already installed on your system.

- **Run Natively**

- The stacks install directly on your system - no virtual machine required.

- **Open Source**

- All Bitnami Stacks are free to download and use under the terms of the Apache License 2.0

# It is my story

- We decided to start with RoR
- Lovely !
- me as a developer, I need **development environment**
- My **team** needs **development environment** – it would be cool if both are the same
- My **graphics designer** needs it as well
- They have **different operating systems, different requirements** (GUI, text mode, ...) and **skills**
- I want to use **several environments on one machine**

# **It is my story (part 2)**

- **other things**

- **DEMO** day is coming !!!

- **deployment**

- **scale** your application - > **several servers**

- **deployment on many servers**

- **chroot, Vmware, XEN, Solaris Zones, Amazon EC2**

# We need ...

- Ruby
- Ruby Gems
- RoR
- database: MySQL, SQLite
- Apache
- Subversion
- and libraries (RMagick, ...)

# **RubyStack Features**

**(We need at least that . . .)**

- **completely self-contained**
- **re-locatable**
- not interfere with existing software
- works on **different operating systems**  
(Linux, Windows and Mac OSX)
- **easy to install**

# RubyStack Installer

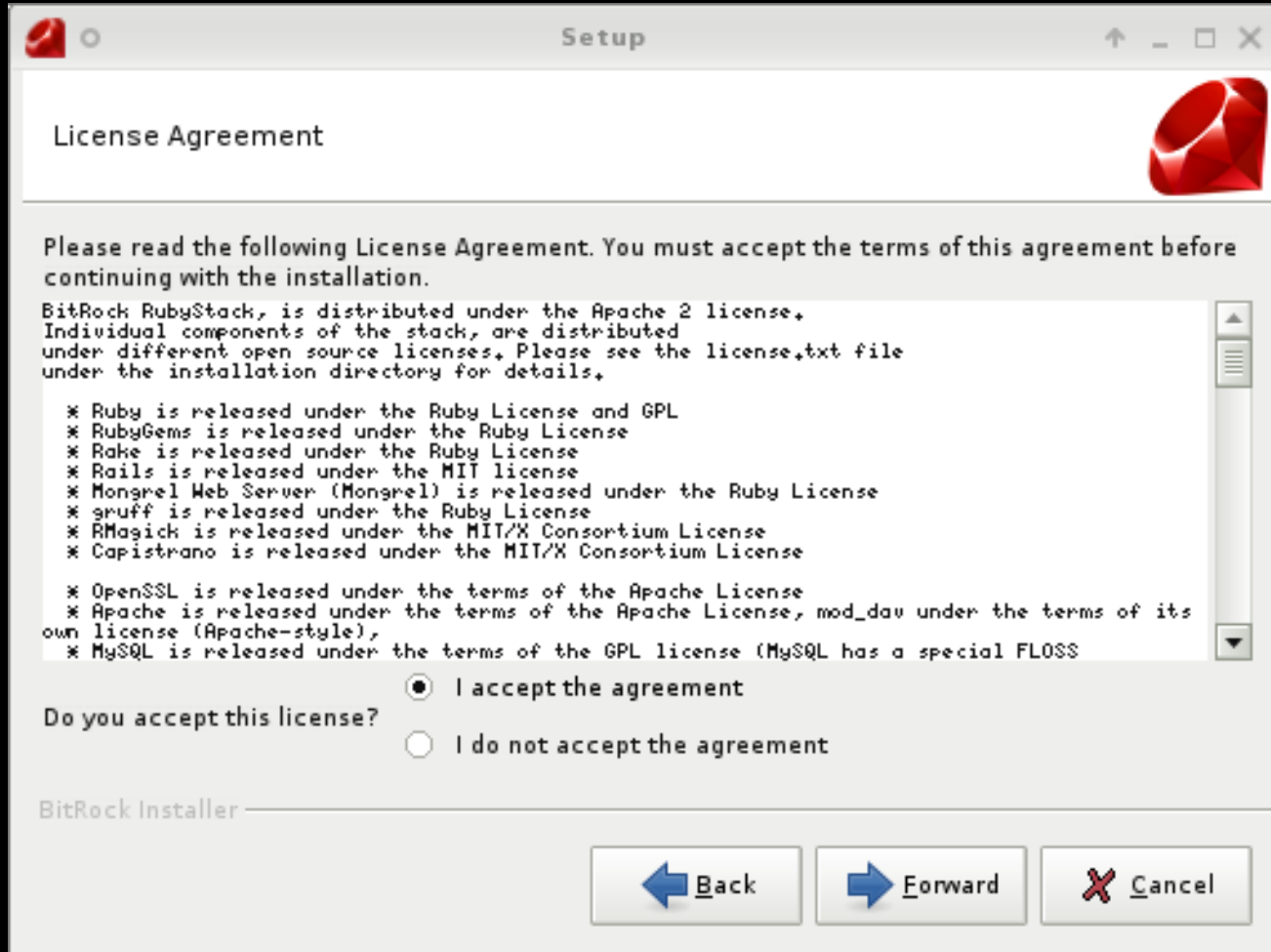
- created using **BitRock InstallBuilder**
- easy to use
- multiplatform
- native look and feel
- GUI, text and unattended modes
- Platforms: **Linux, Mac OS X, Windows, Solaris, ...**
- No External Dependencies
- Uninstall Functionality, LZIP, Multiple Language Support



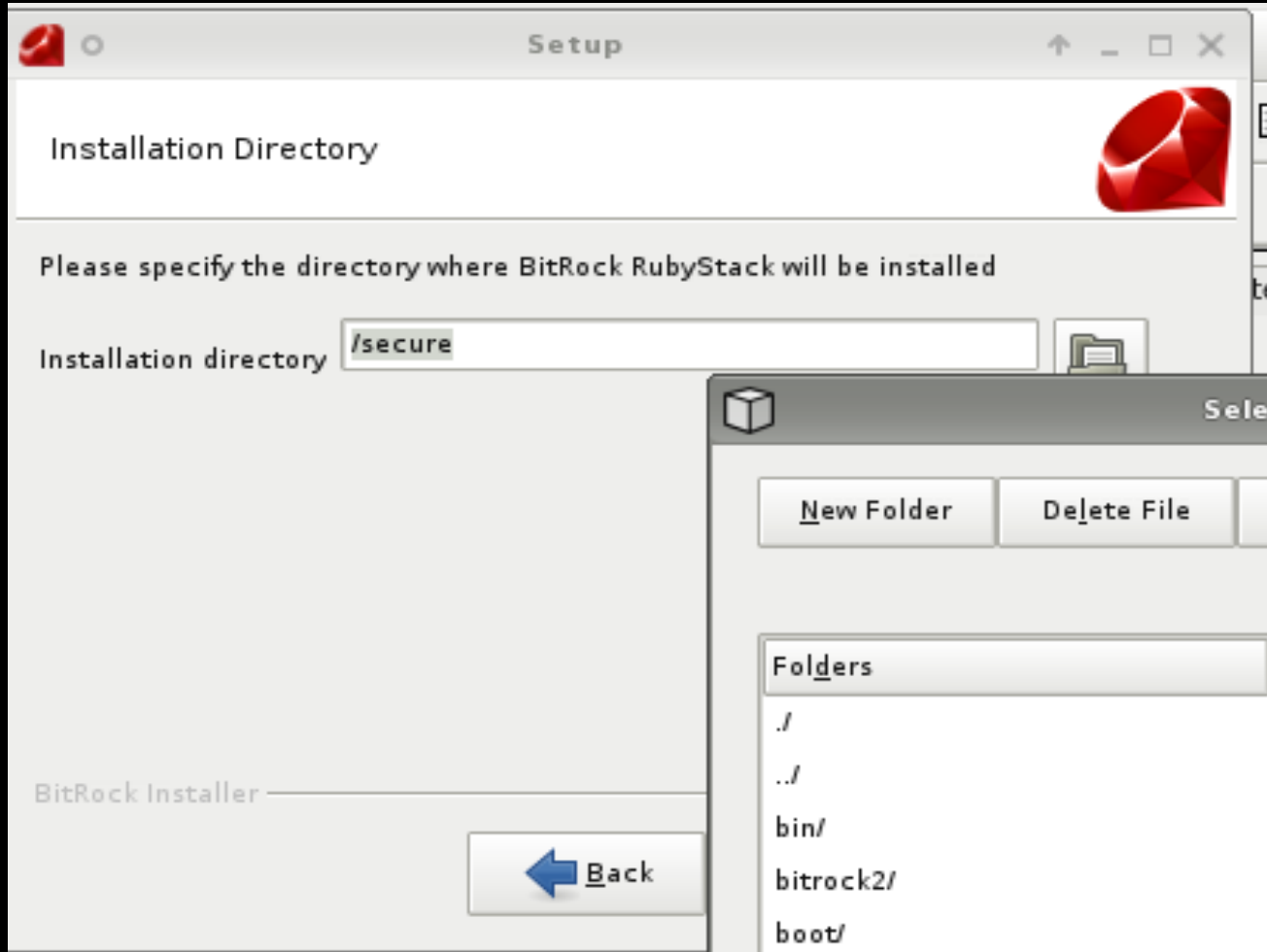
# InstallBuilder (RubyStack Installer)



# InstallBuilder (RubyStack Installer)



# InstallBuilder (RubyStack Installer)



# InstallBuilder (RubyStack Installer)

Setup

Create databases for the rails project.

The installer will create the conventional \*\_production, \*\_development, and \*\_test databases based on your prefix.

DB Prefix

DB User Name

DB User Password

Re-enter

BitRock Installer

# Unattended mode

Many different options:

```
# rubystack-1.0-linux-installer.bin --mode unattended --  
  prefix /secure/tmp/ruby_unattended --rubystack_version  
  production --apache_server_port 4568 --mysql_port 4321  
  --mysql_db_name blabla
```

```
# cap bitrock:rubystack:install
```

# RubyStack Components

zlib version: 1.2.3

libiconv version: 1.9.2

openssl version: 0.9.7l

sqlite version: 3.3.6

httpd version: 2.2.4

mysql version: 5.0.45

libpng version: 1.2.10

jpegsrc version: v6b

freetype version: 2.3.4

libwmf version: 0.2.8.4

ghostscript version: 8.56

ImageMagick version: 6.3.4

expat version: 2.0.0

neon version: 0.25.5

subversion version: 1.4.4

ncurses version: 5.6

readline version: 5.2

ruby version: 1.8.6

rubygems version: 0.9.4

rake version: 0.7.3

rails version: 1.2.3

fastthread version: 1.0

mongrel version: 1.0.1

rmagick version: 1.15.6

mongrel\_cluster version: 1.0.2

gruff version: 0.2.8

capistrano version: 2.0.0

## /bitrock/rubystack# **Idd subversion/bin/.svn.bin**

linux-gate.so.1 => (0xffffe000)

libsvn\_client-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_client-1.so.0 (0xb7f88000)

libsvn\_wc-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_wc-1.so.0 (0xb7f57000)

libsvn\_ra-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_ra-1.so.0 (0xb7f53000)

libsvn\_diff-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_diff-1.so.0 (0xb7f4a000)

libsvn\_ra\_local-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_ra\_local-1.so.0 (0xb7f44000)

libsvn\_repos-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_repos-1.so.0 (0xb7f24000)

libsvn\_fs-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_fs-1.so.0 (0xb7f1e000)

libsvn\_fs\_fs-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_fs\_fs-1.so.0 (0xb7f02000)

libsvn\_ra\_svn-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_ra\_svn-1.so.0 (0xb7ef0000)

libsvn\_ra\_dav-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_ra\_dav-1.so.0 (0xb7ebe000)

libsvn\_delta-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_delta-1.so.0 (0xb7eb3000)

libsvn\_subr-1.so.0 => /bitrock/rubystack/subversion/lib/libsvn\_subr-1.so.0 (0xb7e83000)

libaprutil-1.so.0 => /bitrock/rubystack/apache2/lib/libaprutil-1.so.0 (0xb7e6b000)

libexpat.so.0 => /bitrock/rubystack/apache2/lib/libexpat.so.0 (0xb7e46000)

libapr-1.so.0 => /bitrock/rubystack/apache2/lib/libapr-1.so.0 (0xb7e20000)

libiconv.so.2 => /bitrock/rubystack/common/lib/libiconv.so.2 (0xb7d42000)

librt.so.1 => /lib/tls/i686/cmov/librt.so.1 (0xb7d21000)

libcrypt.so.1 => /lib/tls/i686/cmov/libcrypt.so.1 (0xb7cf3000)

libpthread.so.0 => /lib/tls/i686/cmov/libpthread.so.0 (0xb7cdb000)

libdl.so.2 => /lib/tls/i686/cmov/libdl.so.2 (0xb7cd7000)



# Lets take a look inside

- Building & testing system
- Integration
- logic inside XML files
- Wrappers
  - LD\_LIBRARY\_PATH
  - what about the shebang line
- rubyconsole & ctl.sh

# Applications

- [bitnami.org/stack/JRubyStack](http://bitnami.org/stack/JRubyStack)
  - includes ready-to-run versions of JRuby, Rails, Java, Tomcat, GlassFish gem, MySQL and Subversion.
- [bitnami.org/stack/Tracks](http://bitnami.org/stack/Tracks)
- [bitnami.org/stack/Redmine](http://bitnami.org/stack/Redmine)



# Welcome aboard

You're riding Ruby on Rails!

[About your application's environment](#)

## Getting started

Here's how to get rolling:

1. Create a new Rails application
2. Use the Rails command-line interface to create the application's structure

```
Terminal — bash — 80x24
bash-3.2$ jruby -S rails bitnami
create
create app/controllers
create app/helpers
create app/models
create app/views/layouts
create config/environments
create config/initializers
create db
create doc
create lib
create lib/tasks
create log
create public/images
create public/javascripts
create public/stylesheets
create script/performance
create script/process
create test/fixtures
create test/functional
create test/integration
create test/mocks/development
create test/mocks/test
create test/unit
```

# BITNAMI

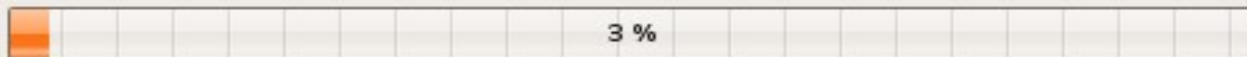
10

## Tracks

Tracks is a Ruby on Rails web-based application to help you implement David Allen's Getting Things Done™ methodology. It is Open Source, free and licensed under the GNU GPL.

Installing

Unpacking /tmp/tracks[...]ommon/share/ghostscript/8.56/doc/History8.htm



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← Atrás

→ Adelante

✖ Cancelar

# BITNAMI

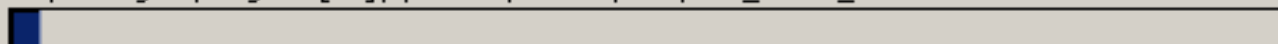


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Installing

Unpacking C:\Program [...]\apache2\manual\mod\mod\_authn\_default.html.en



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< Back

Next >

Cancel




- Papelera de reciclaje
- MI PC
- Cygwin
- beltran
- Mozilla Firefox
- Archivos de programa
- Acceso directo a Unidad de...
- Agregar o quitar p...
- tolkitsh-win...
- setup.exe
- debugclient...
- bitnami-php...

**Setup**

# BITNAMI


## RubyStack

Ruby on Rails is a full-stack MVC framework for database-backed web applications that's optimized for programmer happiness and sustainable productivity.



Installing

Installing Rails, please be patient. (1/5)



BitRock Installer

# **Future / Plans**

**Rubinius**

**JRuby**

**Ruby 1.8 / 1.9**

... together ...

... and ...

custom RubyStacks: merb, nginx, ...

**Conclusions**

**why it matters ?**



**Thanks to  
Manuel Morales Castro  
&  
Beltran Rueda Borrego**

**Questions ???**

**[www.BitNami.org/](http://www.BitNami.org/)**

**[/stack/rubystack](http://www.BitNami.org/stack/rubystack)**

**Thank you !**

**Daniel Liszka**

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