

**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**

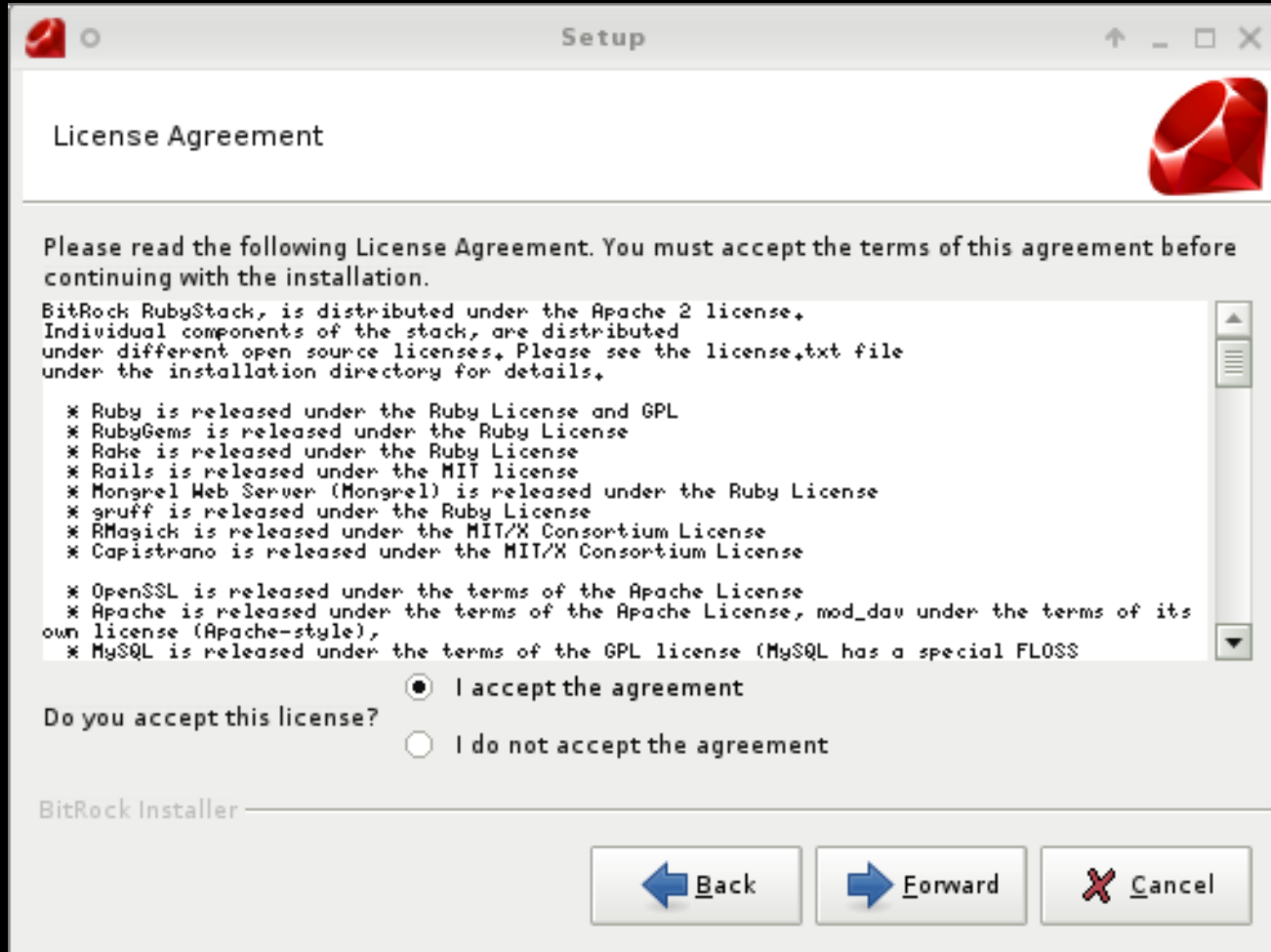
RubyStack Installer

- 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

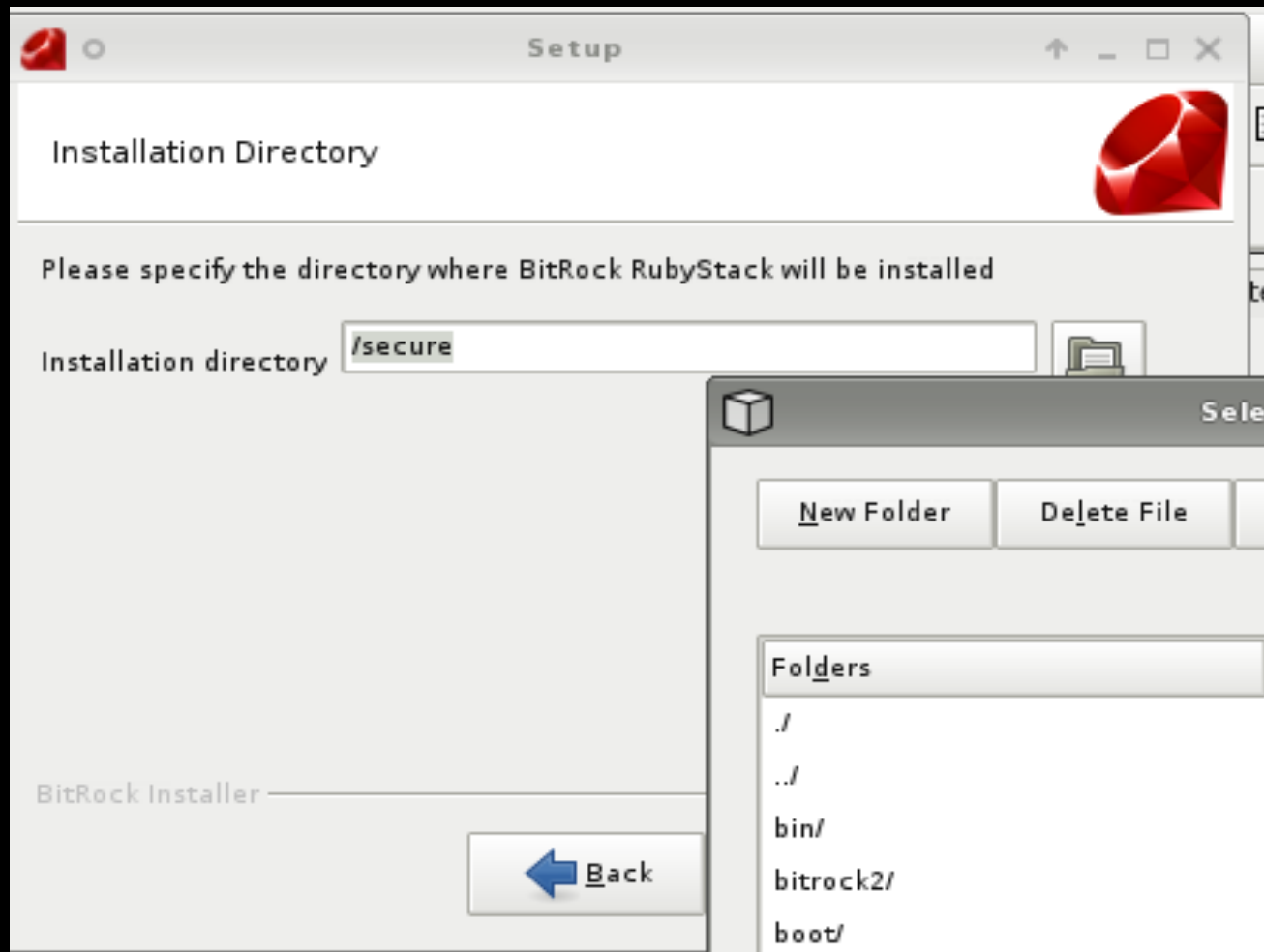
InstallBuilder (RubyStack Installer)



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
 - includes ready-to-run versions of JRuby, Rails, Java, Tomcat, GlassFish gem, MySQL and Subversion.
- bitnami.org/stack/Tracks
- 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
```

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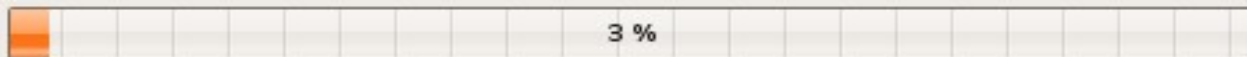
10

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



BitRock Installer

← Atrás

→ Adelante

✖ Cancelar

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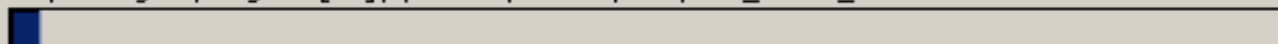


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Installing

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



BitRock Installer

< 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/

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

Thank you !

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