Installing Riak from Source

Contents

Riak should be installed from source if you are building on a platform for which a package does not exist or you are interested in contributing to Riak.

Dependencies

Riak requires Erlang R15B01. *Note: don't use Erlang version R15B02 or R15B03, for the moment, as it causes an error with riak-admin status commands.*

If you do not have Erlang already installed, see Installing Erlang. Don't worry, it's easy!

Riak depends on source code located in multiple Git repositories; ensure that Git is also installed on the target system before attempting the build.

Riak will not compile with Clang. Please make sure your default C/C++ compiler is GCC.

Installation

The following instructions generate a complete, self-contained build of Riak in `$RIAK/rel/riak` where `$RIAK` is the location of the unpacked or cloned source.

Installing from source package

Download the Riak source package from the Download Center⧉ and build:

```shell
$ curl -O http://s3.amazonaws.com/downloads.basho.com/riak/1
$ tar zxvf riak-1.4.8.tar.gz
$ cd riak-1.4.8
$ make rel
```

Installing from GitHub

The Riak Github repository⧉ has much more information on building and installing Riak from source. To clone and and build Riak from source, follow these steps:

Clone the repository using Git⧉ and build:

```shell
$ git clone git://github.com/basho/riak.git
$ cd riak
$ make rel
```

Platform Specific Instructions

For instructions about specific platforms, see:

- Installing on Debian and Ubuntu
- Installing on Mac OS X
- Installing on RHEL and CentOS
- Installing on SUSE

If you are running Riak on a platform not in the list above and need some help getting it up and running, join The Riak Mailing List and inquire about it there. We are happy to help you get up and running with Riak.

Windows

Riak is not currently supported on Microsoft Windows.

Next Steps?

From here you might want to check out:

- Post Installation Notes: for checking Riak health after installation
- Five Minute Install: a guide that will show you how to go from one node to bigger than Google!

These May Also Interest You

- Installing on AWS Marketplace
- Installing on Windows Azure
- Installing on Debian and Ubuntu
- Installing Erlang
- Installing on FreeBSD
- Installing and Upgrading