Installing on Debian and Ubuntu

Contents

Riak can be installed on Debian or Ubuntu based systems with a binary package or by compiling Riak from source code. The following steps have been tested to work with Riak on **Debian version 6.05** and **Ubuntu version 12.04**.

Installing From Apt-Get

For the simplest installation process on LTS (Long Term Support) releases, use `apt-get`.

First you must get the signing key.

```
HTTP    $ curl http://apt.basho.com/gpg/basho.apt.key | sudo apt-key
```

Then add the Basho repository to your apt sources list (and update them).

```
sudo bash -c "echo deb http://apt.basho.com $(lsb_release -sc) main
sudo apt-get update
```

Now install the `riak` package.

```
Shell     sudo apt-get install riak
```

That should be all.

Installing From Package

If you wish to install the deb packages by hand follow these instructions.

Installing on Non-LTS Ubuntu Releases

Typically we only package Riak for LTS releases to keep our build and testing matrix focused. In some cases such as Ubuntu 11.04 (Natty), there are changes that affect how Riak is packaged so we will release a separate package for that non-LTS release. In most other cases though, if you are running a non-LTS release (such as 12.10) it is safe to follow the below instructions for the LTS release prior to your release. In the case of Ubuntu 12.10, follow the installation instructions for Ubuntu 12.04.

SSL Library Requirement for Ubuntu

Riak currently requires libssl version 0.9.8 on some versions of Ubuntu. Starting at Ubuntu 12.04 this is no longer an issue. Before installing Riak via package on Ubuntu, install the `libssl0.9.8` package. Note that this version of libssl can be safely installed alongside current/existing libssl installations.

To install the libssl version 0.9.8 package, execute the following command:

```Shell
sudo apt-get install libssl0.9.8
```

After the libssl package installation, proceed to installing Riak from the pre-built package by executing the following commands as appropriate for the target platform:

Riak 64-bit Installation

Ubuntu Lucid Lynx (10.04)

```Shell
wget http://s3.amazonaws.com/downloads.basho.com/riak/1.4/1.
sudo dpkg -i riak_1.4.8-1_amd64.deb
```

Ubuntu Natty Narwhal (11.04)

```Shell
wget http://s3.amazonaws.com/downloads.basho.com/riak/1.4/1.
sudo dpkg -i riak_1.4.8-1_amd64.deb
```

Ubuntu Precise Pangolin (12.04)

```Shell
wget http://s3.amazonaws.com/downloads.basho.com/riak/1.4/1.
sudo dpkg -i riak_1.4.8-1_amd64.deb
```

Installing Riak From Source

First, install Riak dependencies using apt:

```Shell
sudo apt-get install build-essential libc6-dev-i386 git
```

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 Erlang is not already installed, install it before continuing (see: Installing Erlang for more information).

With Erlang installed, proceed to downloading and installing Riak:

```Shell
wget http://s3.amazonaws.com/downloads.basho.com/riak/1.4/1.
tar zxvf riak-1.4.8.tar.gz
cd riak-1.4.8
make rel
```

If the build was successful, a fresh build of Riak will exist in the `rel/riak` directory.

Next Steps?

Now that Riak is installed, check out the following resources:

- 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 Erlang
- Installing on FreeBSD
- Installing Riak from Source
- Installing and Upgrading