# GNU/Linux Administration - Support #283

## Building MariaDB Debian Package From Source

12/30/2013 03:59 PM - Daniel Curtis

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|---|---|---|---|---|
| **Status:** | Closed | | **Start date:** | 12/30/2013 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | Daniel Curtis | | **% Done:** | 100% |
| **Category:** | Database Server | | **Estimated time:** | 3.00 hours |
| **Target version:** | | | **Spent time:** | 5.50 hours |

### Description

I am currently looking at alternatives to MySQL as it is proving to be inadequate for scaling, high availability, and replication. The most viable option would be MariaDB or Percona, I have chosen MariaDB.

- Install dependencies:

```
sudo su
apt-get install build-essential libaio-dev bzr libtool debhelper libncurses5-dev libwrap0-dev zlib1g-dev libreadline-dev po-debconf chrpath doxygen texlive-latex-base ghostscript gawk bison hardening-wrapper cmake checkinstall
```

- Download MariaDB via bzr:

```
cd /usr/local/src
mkdir mariadb-server-5.5
bzr branch lp:maria/5.5 trunk
```

- Configure, compile, and build MariaDB .deb package:

```
cd 5.5
./configure
make
checkinstall -D make install
```

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### History

#### #1 - 12/31/2013 11:48 AM - Daniel Curtis

I found that going through a Debian repo works as well.

- First add the packaging keys and create /etc/apt/sources.list.d/mariadb.source.list:

```
sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com 0xcbcb082a1bb943db
vi /etc/apt/sources.list.d/mariadb.source.list
```

And add:

deb-src http://ftp.osuosl.org/pub/mariadb/repo/5.5/debian wheezy main

Then refresh the apt package listing and build dependencies for MariaDB:

```
sudo apt-get update
sudo apt-get build-dep mariadb-server
```

Switch to source directory and begin package compilation:

```
cd /usr/src
apt-get -b source mariadb-server
```

**#2 - 01/15/2014 01:55 AM - Daniel Curtis**

*- Status changed from Resolved to Closed*

**#3 - 02/16/2015 02:12 PM - Daniel Curtis**

*- Project changed from 65 to GNU/Linux Administration*

*- Description updated*

*- Category set to Database Server*