

FreeBSD Administration - Support #379

Install MariaDB Database Server On FreeBSD

04/26/2014 08:08 PM - Daniel Curtis

Status:	Closed	Start date:	04/26/2014
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Database Server	Estimated time:	1.50 hour
Target version:	FreeBSD 9	Spent time:	3.00 hours

Description

Install MariaDB

Install MariaDB from pkg

Install MariaDB:

```
pkg install mariadb55-{server,client}
```

Build MariaDB from Source

- Install MariaDB, this will also build the MariaDB client:

```
cd /usr/ports/databases/mariadb55-server/  
make config ; make install clean  
rehash
```

Configure MariaDB

- Edit rc.conf to start MariaDB at boot:

```
vi /etc/rc.conf
```

- Add mysql_enable

```
mysql_enable="YES"
```

- Manually start MariaDB:

```
service mysql-server start
```

Setup grant tables, make sure to have the MariaDB server running since mysql_install_db assumes its running from here:

```
cd /usr/local/  
mysql_install_db --user=mysql
```

- Configure the MariaDB server root password:

```
mysql_secure_installation
```

1. (Optional) Configure MariaDB server root password manually:

```
mysqladmin -u root password 'appleton'  
mysqladmin -u root -p -h firefly.scc.local password 'appleton'
```

2. (Optional) Grant root permission to connect remotely:

```
mysql -u root -p  
mysql> grant all privileges on *.* to 'root'@'%' identified by 'appleton' with grant option;  
mysql> exit;
```

Configure MariaDB Server

Use the provided my-medium.cnf config file and edit for using InnoDB tables:

The output from “my_print_defaults –help” implies my-medium.cnf should be copied to /etc/my.cnf, but I'll use the MySQL convention I've learned until I know different.

```
cp /usr/local/share/mysql/my-medium.cnf /var/db/mysql/my.cnf  
vi /var/db/mysql/my.cnf
```

```
#!/ Uncomment the following if you are using InnoDB tables  
innodb_data_home_dir = /var/db/mysql  
innodb_data_file_path = ibdata1:10M:autoextend  
innodb_log_group_home_dir = /var/db/mysql  
#!/ You can set .._buffer_pool_size up to 50 - 80 %  
#!/ of RAM but beware of setting memory usage too high  
innodb_buffer_pool_size = 16M  
innodb_additional_mem_pool_size = 2M  
#!/ Set .._log_file_size to 25 % of buffer pool size  
innodb_log_file_size = 5M  
innodb_log_buffer_size = 8M  
innodb_flush_log_at_trx_commit = 1  
innodb_lock_wait_timeout = 50
```

- Restart MariaDB:

1. service mysql-server restart

- And finally do a basic test to confirm things are basically working:

```
mysql -u root -p
```

```
MariaDB [(none)]> show databases;  
MariaDB [(none)]> exit;  
Bye
```

History

#1 - 04/27/2014 05:21 PM - Daniel Curtis

- Description updated

#2 - 04/29/2014 06:19 PM - Daniel Curtis

- Status changed from Resolved to Closed

#3 - 02/15/2015 09:16 PM - Daniel Curtis

- Project changed from 82 to FreeBSD Administration

- Category set to Database Server

- Target version set to FreeBSD 9