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Actividad: Mapa Conceptual

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**Objetivo:** El objetivo de esta práctica es entender y aprender como instalar y actualizar MySQL desde la línea de comandos de Debian.

## Resultado:

Lo primero que se debe realizar en primera instancia es realizar un update y un upgrade, esto bien claramente en el manual de mysql.

El primer paso para comenzar todo esto es acceder a tu Debian 9, seguido de eso debemos realizar un: 'apt-get update' que nos va a servir para descargarlos los repositorios necesarios.

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jan 31 09:13:03 2019 from 176.48.16.1
root@gulf:~# apt-get update
```

En seguida el siguiente paso sería realizar un: 'apt-get upgrade' esto nos va a ayudar a descargar los repositorios.

```
176.48.16.11 - PuTTY
Hit http://security.debian.org jessie/updates/contrib Translation-en
Get:8 http://security.debian.org jessie/updates/main Translation-en [322 kB]
Ign http://repo.mysql.com jessie/mysql-5.6 Translation-en
Ign http://repo.mysql.com jessie/mysql-apt-config Translation-en
Ign http://repo.mysql.com jessie/mysql-tools Translation-en
Hit http://security.debian.org jessie/updates/non-free Translation-en
Fetched 1169 kB in 7s (147 kB/s)
Reading package lists... Done
root@gulf:~# apt-get upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... The following packages were automatically installed and a
re no longer required:
  libdbd-mysql-perl libdbi-perl libhtml-template-perl libmysqlclient18
  libterm-readkey-perl
Use 'apt-get autoremove' to remove them.
Done
The following packages will be upgraded:
  libmysqlclient18 mysql-apt-config
2 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Need to get 772 kB of archives.
After this operation, 544 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

```
176.48.16.11 - PuTTY
Package configuration
*****Configuring mysql-apt-config*****
MySQL APT Repo features MySQL Server along with a variety of MySQL
components. You may select the appropriate product to choose the
version that you wish to receive.

Once you are satisfied with the configuration then select last option
'Ok' to save the configuration, then run 'apt-get update' to load
package list. Advanced users can always change the configurations
later, depending on their own needs.

Which MySQL product do you wish to configure?
l*****
x MySQL Server & Cluster (Currently selected: mysql-5.6)
x MySQL Tools & Connectors (Currently selected: Enabled)
x MySQL Preview Packages (Currently selected: Disabled)
x Ok

m*****
v*****
< OK >

*****

176.48.16.11 - PuTTY
Package configuration
*****Configuring mysql-apt-config*****
This configuration program has determined that mysql-5.6 is configured
on your system, and has highlighted the most appropriate repository
package. If you are not sure which version to install, do not change
the auto-selected version. Advanced users can always change the version
as needed later. Note that MySQL Cluster also contains MySQL Server.

Which server version do you wish to receive?
l*****
x mysql-5.6
x mysql-5.7
x mysql-cluster-7.5
x mysql-cluster-7.6
x None

m*****
v*****
< OK >
```

```
root@gulf:~# wget -c http://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb
```

```
176.48.16.11 - PuTTY
Hit http://ftp.debian.org/jessie/contrib Translation-en
Hit http://ftp.debian.org/jessie/main Translation-en
Hit http://ftp.debian.org/jessie/non-free Translation-en
Ign http://repo.mysql.com/jessie/mysql-8.0 Translation-en
Ign http://repo.mysql.com/jessie/mysql-apt-config Translation-en
Ign http://repo.mysql.com/jessie/mysql-tools Translation-en
Fetched 17.0 kB in 7s (2154 B/s)
Reading package lists... Done
root@gulf:~# apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version.
The following packages were automatically installed and are no longer required:
  libdbd-mysql-perl libdbi-perl libhtml-template-perl libmysqlclient18
  libterm-readkey-perl
Use 'apt-get autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
root@gulf:~# wget -c http://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb
converted 'http://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb' (ANSI_X3
.4-1968) -> 'http://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb' (UTF-8)
--2019-02-05 09:39:39-- http://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all
.deb
Resolving dev.mysql.com (dev.mysql.com)...
```

Al finalizar con el primer repositorio será necesario ingresar el siguiente repositorio para continuar con la instalación; [sudo dpkg -i mysql-apt-config\_0.8.10-1\_all.deb]. Al finalizar todo lo que realiza este repositorio será al igual necesario agregar un 'apt-get update' esto para actualizar los repositorios recién agregados.

```
176.48.16.11 - PuTTY
Resolving dev.mysql.com (dev.mysql.com)... 137.254.60.11
Connecting to dev.mysql.com (dev.mysql.com)|137.254.60.11|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb [following]
converted 'https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb' (ANSI_X3
.4-1968) -> 'https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb' (UTF-8)
--2019-02-05 09:39:45-- https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all
.deb
Connecting to dev.mysql.com (dev.mysql.com)|137.254.60.11|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://repo.mysql.com//mysql-apt-config_0.8.10-1_all.deb [following]
converted 'https://repo.mysql.com//mysql-apt-config_0.8.10-1_all.deb' (ANSI_X3.4
-1968) -> 'https://repo.mysql.com//mysql-apt-config_0.8.10-1_all.deb' (UTF-8)
--2019-02-05 09:39:45-- https://repo.mysql.com//mysql-apt-config_0.8.10-1_all.d
eb
Resolving repo.mysql.com (repo.mysql.com)... 23.65.25.94
Connecting to repo.mysql.com (repo.mysql.com)|23.65.25.94|:443... connected.
HTTP request sent, awaiting response... 200 OK

The file is already fully retrieved; nothing to do.

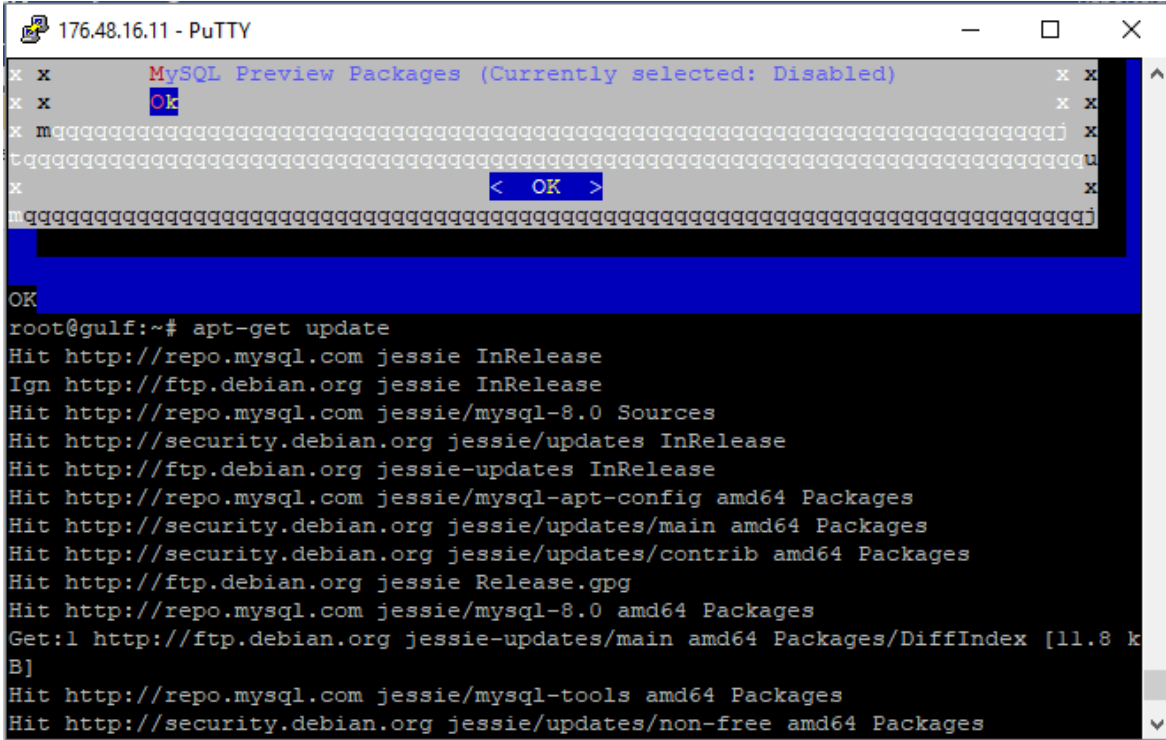
root@gulf:~# sudo dpkg -i mysql-apt-config_0.8.10-1_all.deb
```

[illegible]

```
Package configuration
Configuring mysql-apt-config
This configuration program has determined that mysql-8.0 is configured
on your system, and has highlighted the most appropriate repository
package. If you are not sure which version to install, do not change
the auto-selected version. Advanced users can always change the version
as needed later. Note that MySQL Cluster also contains MySQL Server.

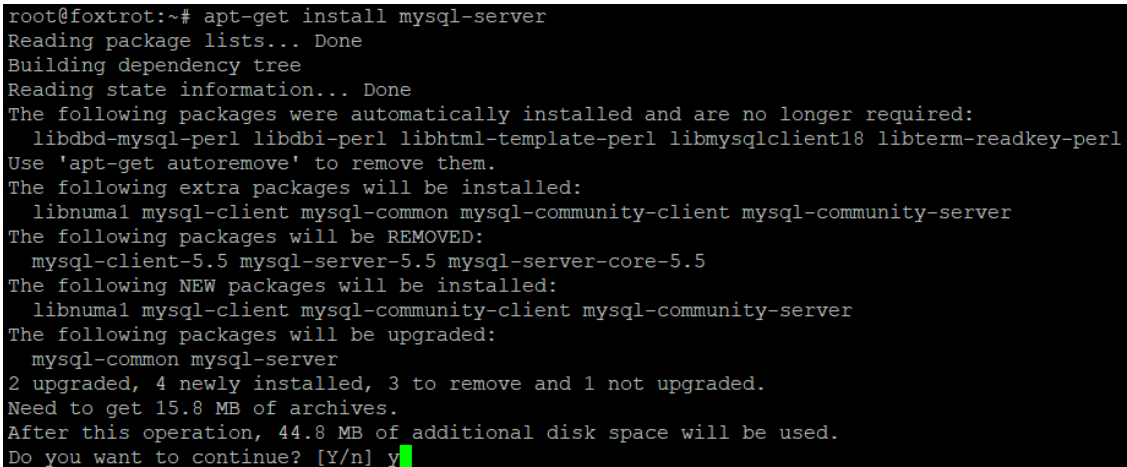
Which server version do you wish to receive?
mysql-5.6
mysql-5.7
mysql-8.0
mysql-cluster-7.5
mysql-cluster-7.6
None
< OK >
```

Una vez que se descargó el repositorio nos marca la documentación que debemos actualizarlo por un dado caso de que existan nuevas versiones:



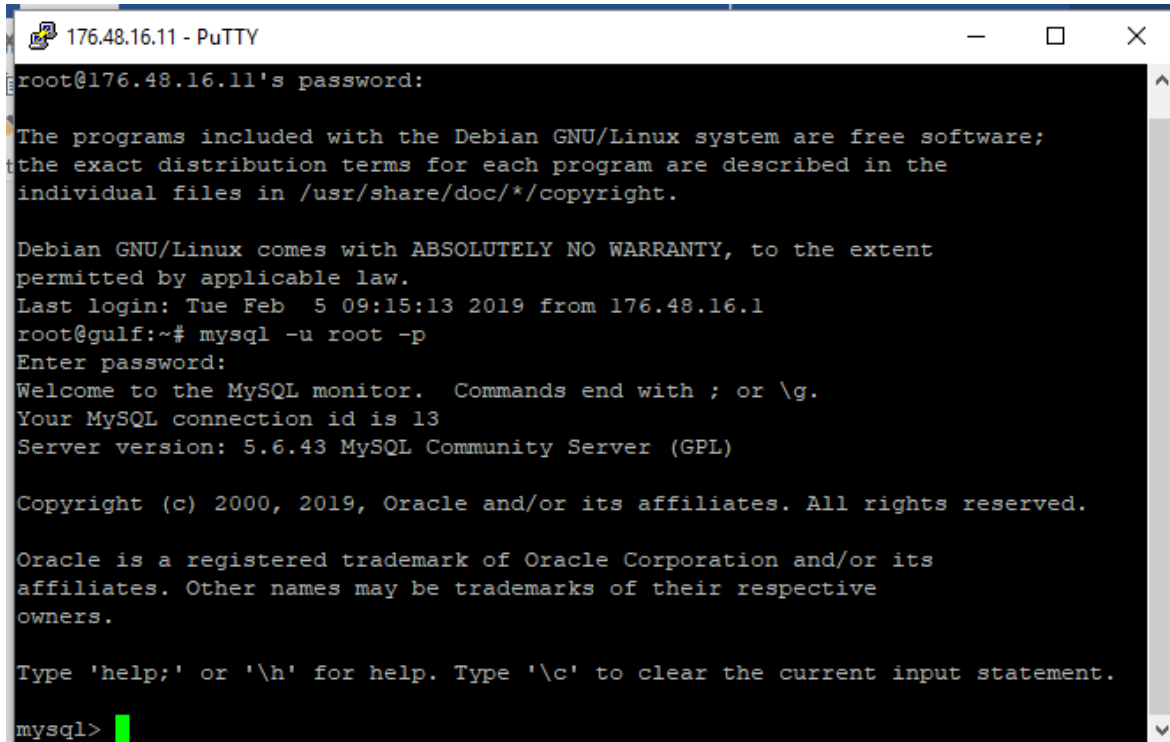
```
176.48.16.11 - PuTTY
x x MySQL Preview Packages (Currently selected: Disabled) x x
x x Ok x x
x maaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa x
cAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAa u
x < OK > x
BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA [
OK
root@gulf:~# apt-get update
Hit http://repo.mysql.com jessie InRelease
Ign http://ftp.debian.org jessie InRelease
Hit http://repo.mysql.com jessie/mysql-8.0 Sources
Hit http://security.debian.org jessie/updates InRelease
Hit http://ftp.debian.org jessie-updates InRelease
Hit http://repo.mysql.com jessie/mysql-apt-config amd64 Packages
Hit http://security.debian.org jessie/updates/main amd64 Packages
Hit http://security.debian.org jessie/updates/contrib amd64 Packages
Hit http://ftp.debian.org jessie Release.gpg
Hit http://repo.mysql.com jessie/mysql-8.0 amd64 Packages
Get:1 http://ftp.debian.org jessie-updates/main amd64 Packages/DiffIndex [11.8 k
B]
Hit http://repo.mysql.com jessie/mysql-tools amd64 Packages
Hit http://security.debian.org jessie/updates/non-free amd64 Packages
```

Para finalizar el proceso de instalación simplemente nos queda ingresar la siguiente instrucción para terminar la instalación; [apt-get install mysql-server]



```
root@foxtrot:~# apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libdbd-mysql-perl libdbi-perl libhtml-template-perl libmysqlclient18 libterm-readkey-perl
Use 'apt-get autoremove' to remove them.
The following extra packages will be installed:
  libnuma1 mysql-client mysql-common mysql-community-client mysql-community-server
The following packages will be REMOVED:
  mysql-client-5.5 mysql-server-5.5 mysql-server-core-5.5
The following NEW packages will be installed:
  libnuma1 mysql-client mysql-community-client mysql-community-server
The following packages will be upgraded:
  mysql-common mysql-server
2 upgraded, 4 newly installed, 3 to remove and 1 not upgraded.
Need to get 15.8 MB of archives.
After this operation, 44.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

Una vez que termine ese proceso podemos entrar a la terminal de mysql con  
`mysql -u @Usuario -p & tu contraseña`



```
176.48.16.11 - PuTTY
root@176.48.16.11's password:

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Feb  5 09:15:13 2019 from 176.48.16.1
root@gulf:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 5.6.43 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```