



# Instalación y configuración de Memcached

Configuración de sesiones PHP y alta disponibilidad



# Instalación del Software

- `sudo apt-get install memcached php5-memcache`

## Modificar archivo de configuración

- `sudo nano /etc/memcached.conf`

```
GNU nano 2.5.3          Archivo: /etc/memcached.conf

# Start with a cap of 64 megs of memory. It's reasonable, and the daemon default
# Note that the daemon will grow to this size, but does not start out holding this much
# memory
-m 64

# Default connection port is 11211
-p 11211

# Run the daemon as root. The start-memcached will default to running as root if no
# -u command is present in this config file
-u memcache

# Specify which IP address to listen on. The default is to listen on all IP addresses
# This parameter is one of the only security measures that memcached has, so make sure
# it's listening on a firewalled interface.
-l 127.0.0.1

# Limit the number of simultaneous incoming connections. The daemon default is 1024
# -c 1024

# Lock down all paged memory. Consult with the README and homepage before you do this
# -k

# Return error when memory is exhausted (rather than removing items)
# -M

# Maximize core file limit
# -r
-U 0
```

# Instalación del Software

- `sudo systemctl restart memcached`
- `sudo netstat -plunt`

```
jcpulido97@ubuntu:/root$ sudo systemctl restart memcached
jcpulido97@ubuntu:/root$ sudo netstat -plunt
Conexiones activas de Internet (solo servidores)
Proto  Recib  Envia  Dirección local      Dirección remota     Estado      PID/Program name
tcp      0      0  0.0.0.0:22           0.0.0.0:*            ESCUCHAR    1129/sshd
tcp      0      0  127.0.0.1:11211      0.0.0.0:*            ESCUCHAR    13624/memcached
tcp6     0      0  :::22               :::*                  ESCUCHAR    1129/sshd
tcp6     0      0  :::443               :::*                  ESCUCHAR    1654/apache2
tcp6     0      0  :::3306              :::*                  ESCUCHAR    2592/mysqld
tcp6     0      0  :::80                :::*                  ESCUCHAR    1654/apache2
udp      0      0  0.0.0.0:68           0.0.0.0:*            2897/dhclient
```



# Configuración Apache/PHP

Ahora tocaría modificar la configuración de php en cada uno de los apaches finales para que almacenes los datos de sesión en nuestros servidores memcached

- `sudo nano /etc/php5/apache2/php.ini`

```
session.save_handler = memcache  
session.save_path = "tcp://192.168.56.5:11211,tcp://192.168.56.6:11211"
```



# Configuración Apache/PHP

- `sudo nano /etc/php5/mods-available/memcache.ini`

```
extension=memcache.so  
memcache.allow_failover=1  
memcache.session_redundancy=4
```

- `service apache2 reload`



# Comprobar la alta disponibilidad

```
jcpulido97@ubuntu:~$ service memcached stop
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ====
Se necesita autenticación para parar «memcached.service».
Authenticating as: jcpulido97,,, (jcpulido97)
Password:
==== AUTHENTICATION COMPLETE ====
jcpulido97@ubuntu:~$ curl --cookie "PHPSESSID=hhj2cis6b2jaot44j834cnkq85" http://192.168.56.5/session.php http://192.168.56.6/session.php
Tu numero de visitas es: 11
Server IP: 192.168.56.5
Client IP: 192.168.56.6
Array
(
    [PHPSESSID] => hhj2cis6b2jaot44j834cnkq85
)
Tu numero de visitas es: 12
Server IP: 192.168.56.6
Client IP: 192.168.56.6
Array
(
    [PHPSESSID] => hhj2cis6b2jaot44j834cnkq85
)
```

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Demo