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## Linux Find The Speed Of Memory Through Software Command Prompt

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How do I find out or identify the speed of my memory (DIMM) through command prompt options under Linux operating systems? How do I find out speed of the DIMM's using a shell prompt?

You can find out the speed using dmidecode or lshw command under any Linux distribution.



[1]

### Install Lshw

If you are using Debian / Ubuntu Linux, enter:

```
# apt-get install lshw
```

If you are RHEL / Fedora / Red Hat / CentOS Linux, enter the following after enabling EPEL repo:

```
# yum install lshw
```

### How do I use Lshw to display DIMM speed?

Type the command as follows:

```
# lshw -short -C memory
```

Outputs:

H/W path	Device	Class	Description
=====			
/0/0		memory	108KiB BIOS
/0/4/6		memory	16KiB L1 cache
/0/4/7		memory	8MiB L2 cache
/0/5/8		memory	16KiB L1 cache
/0/5/9		memory	8MiB L2 cache
/0/16		memory	12GiB System Memory
/0/16/0		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/1		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/2		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/3		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/4		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/5		memory	DIMM Synchronous 667 MHz (1.5 ns) [empty]
/0/16/6		memory	2GiB DIMM Synchronous 667 MHz (1.5 ns)
/0/16/7		memory	DIMM Synchronous 667 MHz (1.5 ns) [empty]

See how to [use dmidecode to find out RAM speed](#) <sup>[2]</sup> and type under Linux.

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[1] Image: <http://www.cyberciti.biz/faq/category/linux/>

[2] use dmidecode to find out RAM speed: <http://www.cyberciti.biz/faq/check-ram-speed-linux/>

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