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## CentOS Linux Install Core Development Tools Automake, Gcc (C/C++), Perl, Python & Debuggers

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**Q.** How do I install all developer tools such as GNU GCC C/C++ compilers, make and others, after installing CentOS from a shell prompt?



[1]

**A.** You need to install 'Development Tools' group. These tools include core development tools such as automake, gcc, perl, python, and debuggers:

```
=> flex
=> gcc
=> redhat-rpm-config
=> strace
=> rpm-build
=> make
=> pkgconfig
=> gettext
=> automake
=> strace64
=> gdb
=> bison
=> libtool
=> autoconf
=> gcc-c++
=> binutils and all dependencies.
```

Open terminal or login over ssh session and type the following command as root user:

```
# yum groupinstall 'Development Tools'
```

Sample output:

```
Loading "fastestmirror" plugin
Loading mirror speeds from cached hostfile
* base: mirror.steadfast.net
* updates: dist1.800hosting.com
* addons: centos.mirrors.tds.net
* extras: dist1.800hosting.com
Setting up Group Process
Loading mirror speeds from cached hostfile
* base: mirror.steadfast.net
* updates: dist1.800hosting.com
* addons: centos.mirrors.tds.net
* extras: dist1.800hosting.com
Package make - 1:3.81-3.el5.i386 already installed and latest version
Package gettext - 0.14.6-4.el5.i386 already installed and latest version
Package binutils - 2.17.50.0.6-6.el5.i386 already installed and latest version
Resolving Dependencies
--> Running transaction check
---> Package automake.noarch 0:1.9.6-2.1 set to be updated
---> Package frysk.i686 0:0.0.1.2008.03.19.rh1-1.el5 set to be updated
--> Processing Dependency: libgcj.so.7rh for package: frysk
--> Processing Dependency: glib-java >= 0.2.6 for package: frysk
---> Package autoconf.noarch 0:2.59-12 set to be updated
--> Processing Dependency: imake for package: autoconf
---> Package rcs.i386 0:5.7-30.1 set to be updated
---> Package strace.i386 0:4.5.16-1.el5.1 set to be updated
---> Package redhat-rpm-config.noarch 0:8.0.45-24.el5 set to be updated
---> Package elfutils.i386 0:0.125-3.el5 set to be updated
--> Processing Dependency: libdw.so.1 for package: elfutils
```

```
.....
....
..
Transaction Summary
=====
Install      105 Package(s)
Update        0 Package(s)
Remove        0 Package(s)

Total download size: 127 M
Is this ok [y/N]: y
Downloading Packages:
(1/105): python-numeric-2 100% |=====| 751 kB    00:12
(2/105): xorg-x11-fonts-b 100% |=====| 3.7 MB    01:03
(3/105): pfmon-3.2-0.0609 100% |=====| 656 kB    00:10
(4/105): automake14-1.4p6 100% |=====| 205 kB    00:03
(5/105): libtool-1.5.22-6 100% |=====| 680 kB    00:11
(6/105): systemtap-0.6.2- 100% |=====| 1.3 MB    00:22
```

Now you can compile and use any application on system.

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