

# Managing Development Packages

Individual IS security policies may require the removal of compilers are removed from the production systems. If this policy applies to your AMD, the compiler packages can be removed *only after the system and AMD software is installed and updated*.

 Unknown macro: 'scroll-ig'

## Caution:

If the `gcc` package is removed, the AMD setup tools cannot recompile the device drivers after a Linux kernel upgrade. The result is that, after each kernel upgrade, the `gcc` package must be re-installed to enable the device drivers to be recompiled.

If the AMD software was installed using the kickstart file provided by Compuware, the `gcc` compiler will be present and can be removed using the `yum` package manager. For example:

```
yum remove gcc-c++
```

```
yum remove gcc
```

If the AMD software was *not* installed using the kickstart file, or if independent package management actions were performed in addition to the documented software update procedures, using `yum` for package removal is *not* recommended. This is because `yum` may remove the specified packages as well as the packages that are declared as “dependent”, thus removing packages that are necessary for correct AMD operation.

In these situations, we recommend that you remove unwanted packages selectively using the `rpm` command. Use only this command for package removal if you are not certain that you fully understand the package dependency structure and packages have been managed outside of the kickstart installation script.

Use the `-a` or `-qa` options of the `rpm` command to determine the exact name of the package to be removed, and then use the `-e` option to remove the package. If dependency errors are reported, use the `--nodeps` option to force package removal regardless of dependencies. For example:

```
[root@vantageamd ~]# rpm -qa | grep gcc
gcc-java-4.1.2-48.el5
libgcc-4.1.2-48.el5
gcc-4.1.2-48.el5
gcc-c++-4.1.2-48.el5
[root@vantageamd ~]#rpm -q gcc
gcc-4.1.2-48.el5
[root@vantageamd ~]#rpm -e gcc
error: Failed dependencies:
    gcc = 4.1.2-48.el5 is needed by (installed) gcc-c++-4.1.2-48.el5.
i386
    gcc = 4.1.2-48.el5 is needed by (installed) gcc-java-4.1.2-48.
el5.i386
[root@vantageamd ~]#rpm -e gcc gcc-c++ gcc-java
error: Failed dependencies:
    gcc = 4.1.2-48.el5 is needed by (installed) java-4.1.2-gcj-
compat-devel-1.4.2.0-40jpp.115.i386
[root@vantageamd ~]#rpm -e --nodeps gcc gcc-c++ gcc-java
[root@vantageamd ~]#
```

For further information on package management, refer to the operating system documentation.

To install compilers, use the command:

```
yum install gcc
```

If your system is not configured to use remote `rpm` repositories, you have to use the packages from the Red Hat installation CD:

```
mount -t auto /dev/cdrom /mnt
```

```
rpm -I /mnt/Client/gcc-4.*rpm
```