
Subject: Re: Makefile's install depends on all
Posted by [dolik.rce](#) on Thu, 19 Mar 2015 06:05:29 GMT
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Hi bonami,

bonami wrote on Thu, 19 March 2015 06:03 I use command line umk to build.
first I run make, which will build "all".

Then I run make install. It relies on "all". "all" will complain \${program_name} already exists, which IS the former result.

"install" should depends on "all" but use its result if it has been run.

Did you write the Makefile? It seems quite overcomplicated, I couldn't really figure out what should all the shell command in the targets actually do. But what I see at first sight is that there are no dependencies at all. So make have no idea that your application was already built, when running install and tries to build it again. You have to list the files that are created by each target as its dependencies. For example: all: \${program_name}

This should fix your problem. It would also probably allow you to simplify the makefile a lot. GNU Make is a great tool with lots of possibilities, if you haven't read any of it's documentation you probably should ;)

bonami wrote on Thu, 19 March 2015 06:03 And, I wonder why "install" needs gawk, which is not needed when I compile anything in the ide. Because you're using it on line 73: \$(AWK) 'BEGIN { files["."] = ""; dirs["."] = 1 } \

```
{ d=$$3; if (dirs[d] != 1) { print "d", d; dirs[d] = 1 } \
  if ($$2 == $$4) files[d] = files[d] " " $$1; \
  else { print "f", $$3 "/" $$4, $$1; } } \
END { for (d in files) print "f", d, files[d] }'
```

Best regards,
Honza
