

# How to make X listen on port 6000

<http://gentoo.linuxhowtos.org/TipsTricks/etcat.pdf>

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## Querying Portage with etcat

This tip shows you how to use the etcat command to retrieve information on Portage, USE flags, package versions, and much more.

While there are other package query utilities such as qpkg or epm, etcat has some unique features. Some of these features include the ability to display the amount of disk space a particular package is using, the USE flags the package was compiled with, and the versions available for a package.

The first step is installing the app-admin/gentoolkit package from Portage. This installs etcat (among other utilities) to /usr/bin/.

### Code Listing 1: Getting etcat>

```
# emerge app-admin/gentoolkit
```

To view the size of the package, use etcat size [package].

### Code Listing 2: Displaying the size of a package

```
# etcat size mozilla
[ Results for search key : mozilla ]
[ Applications found : 4 ]

Only printing found installed programs.

* mozilla-firebird-bin-0.5
  Total Files : 338
  Total Size : 20925.18 KB
* mozilla-1.3-r1
  Total Files : 3155
  Total Size : 52073.05 KB

# etcat size evolution
[ Results for search key : evolution ]
[ Applications found : 1 ]

Only printing found installed programs.

* evolution-1.2.4
  Total Files : 1421
  Total Size : 33456.65 KB

# etcat size fluxbox
[ Results for search key : fluxbox ]
[ Applications found : 1 ]

Only printing found installed programs.

* fluxbox-0.1.14-r1
  Total Files : 26
  Total Size : 806.92 KB
```

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To look at the USE flags a package was compiled with, use `etcat` uses `[package]`. For example, the following command shows which USE flags Postfix was compiled with.

## Code Listing 3: Displaying USE flags

```
# etcat uses net-mail/postfix
[ Colour Code : set unset ]
[ Legend      : (U) Col 1 - Current USE flags          ]
[             : (I) Col 2 - Installed With USE flags ]

U I [ Found these USE variables in : net-mail/postfix-2.0.9 ]
+ + ssl      : Adds support for Secure Socket Layer connections
+ + mysql    : Adds mySQL support
+ + sasl     : Adds support for the Simple Authentication and Security Layer
+ + ldap     : Adds LDAP support (Lightweight Directory Access Protocol)
- - ipv6     : Adds support for IP version 6
- - maildir  : Adds support for maildir (~/.maildir) style mail spools
- - mbox     : Adds support for mbox (/var/spool/mail) style mail spools

# etcat uses fluxbox
[ Colour Code : set unset ]
[ Legend      : (U) Col 1 - Current USE flags          ]
[             : (I) Col 2 - Installed With USE flags ]

U I [ Found these USE variables in : x11-wm/fluxbox-0.1.14-r1 ]
- - kde      : Adds support for kde-base/kde (K Desktop Enviroment)
+ + gnome    : Adds GNOME support
+ + nls      : unknown
+ - xinerama : Add support for XFree86's xinerama extension,
              which allows you to stretch your display across
              multiple monitors
+ + truetype : Adds support for FreeType and/or FreeType2 fonts
```

To see which versions of a specific package are available, use `etcat` versions `[package]`

## Code Listing 4: Displaying available package versions

```
# etcat versions kde-base/kde
[ Results for search key : kde-base/kde ]
[ Applications found : 1 ]

* kde-base/kde :
  [ ] kde-base/kde-2.2.2-r1 (2)
  [ ] kde-base/kde-3.0.4 (3.0)
  [ ] kde-base/kde-3.0.5a (3.0)
  [ ] kde-base/kde-3.0.5b (3.0)
  [ ] kde-base/kde-3.1.1a (3.1)
  [ ] kde-base/kde-3.1.1 (3.1)
  [ ] kde-base/kde-3.1.2 (3.1)
  [ ] kde-base/kde-3.1 (3.1)

# etcat versions net-mail/evolution
[ Results for search key : net-mail/evolution ]
[ Applications found : 1 ]

* net-mail/evolution :
  [ ] net-mail/evolution-1.2.3 (0)
  [ I] net-mail/evolution-1.2.4 (0)
  [M~ ] net-mail/evolution-1.3.92 (2)
  [M~ ] net-mail/evolution-1.4.0 (0)
```

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```
# etcat versions net-www/apache
[ Results for search key : net-www/apache ]
[ Applications found : 1 ]

* net-www/apache :
```

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Note: If you don't specify the category, etcat will try to find all possible matches in Portage. If the package name is common or occurs in many other package names, you may get a lot more output than you wanted.

For more detailed information, type `man etcat`. For a quick overview of available options, just type `etcat`.

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<!--

Other free services

toURL.org

Shorten long

URLs to short

links like

<http://turl.org/2>

turl.org

.

Reverse DNS lookup

Find out which hostname(s)

resolve to a

given IP or other hostnames for the server

[www.reversednslookup.org](http://www.reversednslookup.org)

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## New Packages

- as

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- as

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- as

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image:Atom newsfeed //data/atom.png (null)  
- Powered by  
image:LeopardCMS //data/leopardcms.png (null)  
- Running on  
image:Gentoo //data/gentoo.png (null)  
-  
Copyright 2004-2020 Sascha Nitsch Unternehmensberatung GmbH

image:Valid XHTML1.1 //data/xhtml.png (null)  
:  
image:Valid CSS //data/css.png (null)  
:  
image:buttonmaker //data/buttonmaker.png (null)  
- Level Triple-A Conformance to Web Content Accessibility Guidelines 1.0 -  
- Copyright and legal notices -  
Time to create this page: ms

<!--  
image:system status display //status/output.jpg (null)  
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