

Bash toolbox sampler



Tom Ryder

tom@sanctum.geek.nz

<https://sanctum.geek.nz/>

Your own personal toolbox

- These are a few command-line tools from [my dotfiles](#) that I have found useful.
- They are all **public domain**.
- You can use mine, but the idea here is: write your own command-line tools, for whatever is useful to you!

```
$ git clone https://dev.sanctum.geek.nz/code/dotfiles.git
```



Path ascent—1/4

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG  
/presentations/2025/07/Tom
```

```
$ cd ../../../../..
```

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG
```



Path ascent—2/4

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG  
/presentations/2025/07/Tom
```

```
$ ud 4
```

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG
```



Path ascent—3/4

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG  
/presentations/2025/07/Tom
```

```
$ cd PLUG
```

```
$ pwd
```

```
/home/you/Documents/Groups/PLUG
```

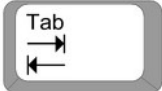


Path ascent—4/4

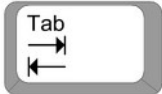
Tab completion works, too:

```
$ pwd
```

```
/home/you/.dotfiles/bash/bashrc.d
```

```
$ bd .d 
```

```
$ bd .dotfiles
```

```
$ bd y 
```

```
$ bd you
```



Quick temporary directories

```
$ pwd
```

```
/home/you
```

```
$ scr
```

```
$ pwd
```

```
/tmp/user/1000/scr.547626.181117558
```



Count find results

Breaks on filenames with newlines in their names:

```
$ find ~ -type f | wc -l  
17759
```

Counts correctly, quicker to type:

```
$ findc ~ -type f  
17757
```



Directory creation shortcuts—1/5

```
$ mkdir -p PLUG/present/Tom
```

```
$ cd PLUG/present/Tom
```

```
$ pwd
```

```
/home/you/PLUG/present/Tom
```



Directory creation shortcuts—2/5

```
$ mkcd PLUG/present/Tom
```

```
$ pwd
```

```
/home/you/PLUG/present/Tom
```



Directory creation shortcuts—3/5

```
$ mkdir -p ~/.config/foo
```

```
$ vi ~/.config/foo/config.ini
```



Directory creation shortcuts—4/5

```
$ mkvi ~/.config/foo/config.ini
```



Directory creation shortcuts—5/5

- Yes, `mkvi` works for `emacs` or `nano` too...
- It just uses whatever `$VISUAL`'s set to.



Aggregate numbers—1/2

\$ min numbers

326

\$ max numbers

32759

\$ tot numbers

3295604



Aggregate numbers—2/2

\$ mean numbers

16478

\$ med numbers

16317

\$ mode numbers

572



Defang URLs

Avoid accidental clicks of an unsafe URL by **defanging** it:

```
$ defang
```

```
http://hackf0rum.pwn3d.ru/login.php?
```

```
email=president@whitehouse.gov
```

```
hxxp[://]hackf0rum[.]pwn3d[.]ru/login[.]php?
```

```
email=president@whitehouse[.]gov
```



Convert durations

```
$ hms
```

```
43200
```

```
12:00:00
```

```
$ sec
```

```
2:35:12
```

```
9312
```



Quote text—1/2

```
$ cat comment
```

```
I don't think this will work.
```

```
I think you're going to regret it.
```

```
$ quo < comment
```

```
> I don't think this will work.
```

```
> I think you're going to regret it.
```



Quote text—2/2

```
$ quo < comment | wro 'I. M. Wrong' Tuesday  
On Tuesday, I. M. Wrong wrote:  
> I don't think this will work.  
> I think you're going to regret it.
```



Questions? (Lightning-fast!)

- Tom Ryder dotfiles
- Custom commands

Email: tom@sanctum.geek.nz

Website: <https://sanctum.geek.nz/>

Fediverse: [@tejr@mastodon.sdf.org](https://mstdn.social/@tejr)

