

Linux Installation Cheatsheet

1. Update the local packages

```
sudo apt-get update
```

2. Install git

```
sudo apt-get install git
```

3. Install Go

Select linux and the download will begin.

```
firefox https://golang.org/dl
```

4. Copy Go into the proper directory

1. Find out the name of the downloaded file
2. Use that filename to uncompress it

```
gofile="DELETE_THIS_AND_TYPE_THE_NAME_OF_THE_DOWNLOADED_FILE_HERE  
(without its extension)"
```

```
tar -C /usr/local -xzf ~/Downloads/$gofile.tar.gz
```

3. Add `go/bin` directory to `$PATH` to be able to run the fundamental Go commands.

```
echo 'export PATH=$PATH:/usr/local/go/bin' >> ~/.profile
```

4. Add `"$HOME/go/bin"` directory to `$PATH`

```
echo 'export PATH=$PATH:$HOME/go/bin' >> ~/.profile
```

Install Go Tools:

- These are very handy tools to ease the development (like goimports)
- `go get` cannot be usable without installing a code versioning program like Git which we already have got it above.
- This will create `~/go` directory and will download go tools into there.
 - This directory is also a place where you should put your code into. (If you're not going to use Go Modules)

```
go get -v -u golang.org/x/tools/...
```

Install VSCode

1. Open "Ubuntu Software" application
2. Search for VSCode then click "Install"
3. Install [Vim-Go](#)

OPTIONAL STEP:

1. Create a `hello.go` inside `$GOPATH/src`

```
cat <<EOF > $GOPATH/src/hello.go
package main

import "fmt"

func main() {
    fmt.Println("hello gopher!")
}
EOF
```

2. Go to Go source directory and run our sample program

```
cd $GOPATH/src
go run hello.go
It should print: hello gopher!
```

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