

# Pre Requisites Screenshots

## 1. Setup git, curl, jq, make

```
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo apt install -y git curl make jq
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.39.5-0+deb12u1).
curl is already the newest version (7.88.1-10+deb12u7).
make is already the newest version (4.3-4.1).
jq is already the newest version (1.6-2.1).
0 upgraded, 0 newly installed, 0 to remove and 30 not upgraded.
```

## 2. wget and Go Install

```
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo apt install wget
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  wget
0 upgraded, 1 newly installed, 0 to remove and 30 not upgraded.
Need to get 984 kB of archives.
After this operation, 3,692 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bookworm/main amd64 wget amd64 1.21.3-1+b2 [984 kB]
Fetched 984 kB in 0s (3,594 kB/s)
Selecting previously unselected package wget.
(Reading database ... 13774 files and directories currently installed.)
Preparing to unpack .../wget_1.21.3-1+b2_amd64.deb ...
Unpacking wget (1.21.3-1+b2) ...
Setting up wget (1.21.3-1+b2) ...
tempp@DESKTOP-47VGQDK:~/home/optimism$ wget https://go.dev/dl/go1.21.6.linux-amd64.tar.gz
--2024-10-30 11:04:03-- https://go.dev/dl/go1.21.6.linux-amd64.tar.gz
Resolving go.dev (go.dev)... 216.239.34.21, 216.239.36.21, 216.239.32.21, ...
Connecting to go.dev (go.dev)|216.239.34.21|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://dl.google.com/go/go1.21.6.linux-amd64.tar.gz [following]
--2024-10-30 11:04:04-- https://dl.google.com/go/go1.21.6.linux-amd64.tar.gz
Resolving dl.google.com (dl.google.com)... 142.250.182.174, 2404:6800:4002:815::200e
Connecting to dl.google.com (dl.google.com)|142.250.182.174|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 66704768 (64M) [application/x-gzip]
Saving to: 'go1.21.6.linux-amd64.tar.gz'

go1.21.6.linux-amd64.ta 100%[=====>] 63.61M 5.90MB/s in 11s

2024-10-30 11:04:16 (5.68 MB/s) - 'go1.21.6.linux-amd64.tar.gz' saved [66704768/66704768]

tempp@DESKTOP-47VGQDK:~/home/optimism$ █
```

### 3. GO Setup

```
go/test/varerr.go
go/test/varinit.go
go/test/winbatch.go
go/test/writebarrier.go
go/test/zerodivide.go
go/test/zerosize.go
tempp@DESKTOP-47VGQDK:~/home/optimism$
tempp@DESKTOP-47VGQDK:~/home/optimism$ # Move Go to the correct directory
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo mv go /usr/local
tempp@DESKTOP-47VGQDK:~/home/optimism$ # Set the GOROOT and update the PATH in .bashrc
'export GOROOT=/usr/local/go' >> ~/.bashrc
tempp@DESKTOP-47VGQDK:~/home/optimism$ echo 'export GOROOT=/usr/local/go' >> ~/.b
ashrc
export GOPATH=$HOME/go' >> ~/.bashrc
echo tempp@DESKTOP-47VGQDK:~/home/optimism$ echo 'export GOPATH=$HOME/go' >> ~/.bashrc
tempp@DESKTOP-47VGQDK:~/home/optimism$ echo 'export PATH=$GOROOT/bin:$GOPATH/bin:$PATH' >> ~/.
bashrc
# Reload .bashrc
tempp@DESKTOP-47VGQDK:~/home/optimism$
tempp@DESKTOP-47VGQDK:~/home/optimism$ # Reload .bashrc to apply changes
ce ~tempp@DESKTOP-47VGQDK:~/home/optimism$ source ~/.bashrc
tempp@DESKTOP-47VGQDK:~/home/optimism$ go version
go version go1.21.6 linux/amd64
tempp@DESKTOP-47VGQDK:~/home/optimism$
```

## 4. Node and Misc Requirements

```
tempp@DESKTOP-47VGQDK:~/home/optimism$ node -v
v20.18.0
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo npm install -g pnpm

added 1 package in 1s

1 package is looking for funding
  run `npm fund` for details
npm notice
npm notice New minor version of npm available! 10.8.2 -> 10.9.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.9.0
npm notice To update run: npm install -g npm@10.9.0
npm notice
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo apt install -y make
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
jq is already the newest version (1.6-2.1).
0 upgraded, 0 newly installed, 0 to remove and 30 not upgraded.
tempp@DESKTOP-47VGQDK:~/home/optimism$ sudo apt install -y direnv
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  direnv
0 upgraded, 1 newly installed, 0 to remove and 30 not upgraded.
Need to get 2,233 kB of archives.
After this operation, 6,706 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bookworm/main amd64 direnv amd64 2.32.1-2+b4 [2,233 kB]
Fetched 2,233 kB in 0s (4,664 kB/s)
Selecting previously unselected package direnv.
(Reading database ... 20238 files and directories currently installed.)
Preparing to unpack .../direnv_2.32.1-2+b4_amd64.deb ...
Unpacking direnv (2.32.1-2+b4) ...
Setting up direnv (2.32.1-2+b4) ...
tempp@DESKTOP-47VGQDK:~/home/optimism$
```