

GRPC 2: SETUP

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SETUP VSCODE

- Cài đặt VSCode
- Cài đặt VSCode plugin: `vscode-proto3`
-

SETUP PROTOC

- Dùng để generate code từ file proto
- MacOS
 - *brew install protobuf*

UBUNTU (LINUX)

Find the correct protocol buffers version based on your Linux Distro:

<https://github.com/google/protobuf/releases>

Example with x64:

```
# Make sure you grab the latest version
curl -OL https://github.com/google/protobuf/releases/download/v3.5.1/protoc-3.5.1-linux-x86_64.zip
# Unzip
unzip protoc-3.5.1-linux-x86_64.zip -d protoc3
# Move protoc to /usr/local/bin/
sudo mv protoc3/bin/* /usr/local/bin/
# Move protoc3/include to /usr/local/include/
sudo mv protoc3/include/* /usr/local/include/
# Optional: change owner
sudo chown [user] /usr/local/bin/protoc
sudo chown -R [user] /usr/local/include/google
```

WINDOW

Download the windows archive: <https://github.com/google/protobuf/releases>

Extract all to `C:\proto3`

Your directory structure should now be

```
C:\proto3\bin
```

```
C:\proto3\include
```

Finally, add `C:\proto3\bin` to your PATH:

WINDOW

1. From the desktop, right-click My Computer and click Properties.
2. In the System Properties window, click on the Advanced tab
3. In the Advanced section, click the Environment Variables button.
4. Finally, in the Environment Variables window (as shown below), highlight the Path variable in the Systems Variable section and click the Edit button. Add or modify the path lines with the paths you wish the computer to access. Each different directory is separated with a semicolon as shown below.
C:\Program Files; C:\Winnt; ; **C:\proto3\bin**

GO DEPENDENCY

<https://github.com/grpc/grpc-go>

```
go get -u github.com/golang/protobuf/{proto,protoc-gen-go}
```

```
go get -u google.golang.org/grpc
```

DEMO .PROTO

```
syntax = "proto3"; //su dung proto3
```

```
package "xxx";
```

```
option go_package = "xxspb"; //go package
```

```
service Xxx{}
```


DEMO

```
protoc filepath --go_out=plugins=grpc:.
```