CLASSEC Development

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# Developer <>

# Story

GoLang Environment Setup on server

# Tasks

1. **Install Go :**

* Login to your Ubuntu system using ssh and upgrade to apply latest security updates there

- $ sudo apt-get update

- $ sudo apt-get -y upgrade

* Now download the Go language binary archive file using following link

**- $** wget https://storage.googleapis.com/golang/go1.8.linux-amd64.tar.gz

* Now extract the downloaded archive and install it to the desired location on the system. For example, I am installing it under /usr/local directory. You can also put this under the home directory (for shared hosting) or other location.

**- $** sudo tar -xvf go1.8.linux-amd64.tar.gz

- $sudo mv go /usr/local

**2. SetUp GO Environment :**

Now you need to setup Go language environment variables for your project. Commonly you need to set 3 environment variables as **GOROOT**, **GOPATH** and **PATH**.

1. **Setting GOROOT:**

GOROOT is the location where Go package is installed on your system.

export GOROOT="/usr/local/go"

**B. Setting GOPATH :**

GOPATH is the location of your work directory. For example my project directory is

~/Projects/Pro.

export GOPATH=$HOME/Projects/Pro

**C**. **Setting PATH :**

Now set the **PATH** variable to access go binary system wide.

export PATH=$PATH:/usr/local/go/bin

1. **Setting Environment Variable Permanently in system:**
2. **Profile.d :**

- Go to /etc/profile.d

- Here create path.sh file

sudo vi path.sh

- Add GOROOT to it

export PATH=$PATH:/usr/local/go/bin

**B. Bash\_profile :**

- $ cd ~

- $ vi .bash\_profile : write GOPATH and GOROOT to it

export GOROOT="/usr/local/go"

export GOPATH="/home/classecdev/classec/src/gclassec"