Go

Installing Go

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Free Books:

http://www.golang-book.com/books/intro

https://archive.org/details/TheWayToGo

https://github.com/dariubs/GoBooks

Ask questions !

https://forum.golangbridge.org/

https://stackoverflow.com/

GO Language Specifications

https://golang.org/ref/spec

https://golang.org/doc/effective_go.html

https://play.golang.org/

https://play.golang.org/p/HmnNoBf0p1z

https://play.golang.org/p/DZvPECVI_RS

https://play.golang.org/p/RIGj7yBKTKW

https://play.golang.org/p/vuTD-E59Rb5

https://play.golang.org/p/iLK98yOFNRn

https://play.golang.org/p/4NH1BiWNoHf

https://play.golang.org/p/jW-10tKtrrr

https://play.golang.org/p/D0Sxev__J_i

download

https://golang.org/dl/

go1.13.6 ▾

File name	Kind	OS	Arch	Size	SHA256 Checksum
go1.13.6.src.tar.gz	**Source**			**21MB**	aae5be954bdc40bcf8006eb77e8d8a5dde412722bc8effcdaf9772620d06420c
go1.13.6.darwin-amd64.tar.gz	Archive	macOS	x86-64	116MB	1ee0dc6a7abf389dac898cbe27e28c4388a61e45cba2632c01d749e25003007f
go1.13.6.darwin-amd64.pkg	**Installer**	**macOS**	**x86-64**	**116MB**	8e12e0f4859ab8b41c6d712c09f9e925c849d2599a2a752e506cea78c3ee668f
go1.13.6.linux-386.tar.gz	Archive	Linux	x86	97MB	27feb013106da784f09e560720aa41ab395c67f7eed4c4a0fce04bc6e3d01c7d
go1.13.6.linux-amd64.tar.gz	**Archive**	**Linux**	**x86-64**	**115MB**	a1bc06deb070155c4f67c579f896a45eeda5a8fa54f35ba233304074c4abbbbd
go1.13.6.linux-armv6l.tar.gz	Archive	Linux	ARMv6	94MB	37a1a83e363dcf146a67fa839d170fd1afb13009585fdd493d0a3370fbe6f785
go1.13.6.windows-386.zip	Archive	Windows	x86	109MB	6b1595d3b5b5fbdbaf6031502d90a694d1e7ae297433fc01c6c48fe8bc987495
go1.13.6.windows-386.msi	Installer	Windows	x86	96MB	b77a27f81eaed909d7489d01b4b8d6f18790460bcf2c08a8e47a0e0d4bc72fbd
go1.13.6.windows-amd64.zip	Archive	Windows	x86-64	128MB	66eae07e03310b67d279701028ba8dc6948cd0acdc6fbe21c22bfa9a2bc48884
go1.13.6.windows-amd64.msi	**Installer**	**Windows**	**x86-64**	**112MB**	d984e25667e4816978c3d0ad349f621cf2e32cde812bee33c002a461f6e9b194

doing the checksum on windows cmd:

C:\>certutil -hashfile   c:\users\user\downloads\go1.13.6.windows-amd64.msi SHA256

```
C:\>certutil -hashfile        c:\users\user\downloads\go1.13.6.windows-amd64.msi SHA256
SHA256 hash of c:\users\user\downloads\go1.13.6.windows-amd64.msi:
d984e25667e4816978c3d0ad349f621cf2e32cde812bee33c002a461f6e9b194
CertUtil: -hashfile command completed successfully.
```

Double click on Go installer and follow the steps and finish installation

Go Programming Language amd64 go1.17.3 Setup

Welcome to the Go Programming Language amd64 go1.17.3 Setup Wizard

The Setup Wizard will install Go Programming Language amd64 go1.17.3 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

http://golang.org

Back   Next   Cancel

Go Programming Language amd64 go1.17.3 Setup

Destination Folder

Click Next to install to the default folder or click Change to choose another.

Install Go Programming Language amd64 go1.17.3 to:

C:\Program Files\Go\

Change...

Back   Next   Cancel

Go Programming Language amd64 go1.17.3 Setup

Installing Go Programming Language amd64 go1.17.3

Please wait while the Setup Wizard installs Go Programming Language amd64 go1.17.3.

Status: Validating install

Back   Next   Cancel

Go Programming Language amd64 go1.17.3 Setup

Completed the Go Programming Language amd64 go1.17.3 Setup Wizard

Click the Finish button to exit the Setup Wizard.

Back   Finish   Cancel

test install

go version

Command Prompt

```
Microsoft Windows [Version 10.0.19043.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>go version
go version go1.17.3 windows/amd64

C:\Users\User>_
```

"go" commands

https://golang.org/cmd/go/

Usage:

```
go <command> [arguments]
```

The commands are:

```
bug         start a bug report
build       compile packages and dependencies
clean       remove object files and cached files
doc         show documentation for package or symbol
env         print Go environment information
fix         update packages to use new APIs
fmt         gofmt (reformat) package sources
generate    generate Go files by processing source
get         add dependencies to current module and install them
install     compile and install packages and dependencies
list        list packages or modules
mod         module maintenance
run         compile and run Go program
test        test packages
tool        run specified go tool
version     print Go version
vet         report likely mistakes in packages
```

GOROOT

must point to golang source code

Edit the system environment variables
Control panel

Edit environment variables for your account
Control panel

Web

🔍 environment variables

🔍 environment variables windows

🔍 environment variables linux

🔍 environment variable path

🔍 environment variables windows 10

🔍 environment variable powershell

🔍 environment variables in dos

🔍 environment variables in ssis

⊞ My stuff   🔍 Web

environment variable

System Properties

Computer Name	Hardware	Advanced	System Protection	Remote

You must be logged on as an Administrator to make most of these changes.

Performance

Visual effects, processor scheduling, memory usage, and virtual memory

[Settings...]

User Profiles

Desktop settings related to your sign-in

[Settings...]

Startup and Recovery

System startup, system failure, and debugging information

[Settings...]

[Environment Variables...]

[OK] [Cancel] [Apply]

Edit environment variable

%SYSTEMROOT%\System32\OpenSSH\

C:\Program Files\dotnet\

C:\cmake-3.16.0-rc3-win64-x64\bin

C:\ProgramData\chocolatey\bin

C:\Program Files\Java\jre1.8.0_271\bin

C:\Program Files (x86)\dotnet\

C:\Program Files (x86)\Microsoft SQL Server\150\Tools\Binn\

C:\Program Files\Microsoft SQL Server\150\Tools\Binn\

C:\Program Files (x86)\Microsoft SQL Server\150\DTS\Binn\

C:\Program Files\Microsoft SQL Server\150\DTS\Binn\

C:\Program Files\Microsoft SQL Server\Client SDK\ODBC\170...

C:\Program Files\Azure Data Studio\bin

C:\Program Files\Git\cmd

C:\Program Files\PostgreSQL\10\bin

C:\Program Files\Docker\Docker\resources\bin

C:\ProgramData\DockerDesktop\version-bin

C:\sqlite-tools-win32-x86-3360000

C:\Program Files\nodejs\

C:\MinGW

C:\MinGW\bin

C:\Program Files\Go\bin

New

Edit

Browse...

Delete

Move Up

Move Down

Edit text...

How to setup Golang with VSCode

https://dev.to/ko31/how-to-setup-golang-with-vscode-1i4i

GoLand from Jetbrain is great. It let you 1 month trial version.

https://www.jetbrains.com/go/promo/?source=google&medium=cpc&campaign=10156131275&gclid=CjwKCAiAvriMBhAuEiwA8Cs5IWfB-woyFDL1okro4EdV_YNnnt9hL_s7JVTIhKtrO1ZpwuzQBjbQXxoCd14QAvD_BwE