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# Installing Go & Node.js for Developers

Windows • Ubuntu Linux • Boot.dev CLI

winget

apt

webi

go install

Boot.dev CLI

45 - 60 min

Beginner - Intermediate

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bash — MyWebUniversity

```
# WINDOWS – Install Go
$ winget install GoLang.Go
  → Successfully installed
$ go version
  go version go1.22.0 windows/amd64

# UBUNTU – Install Go
$ sudo apt install golang-go -y
$ go version ✓

# Install Node.js on Windows
$ winget install OpenJS.NodeJS
  → node v22.x.x / npm 10.x.x

# Boot.dev CLI
$ go install github.com/bootdotdev/
  bootdev@latest
$ bootdev login
  ✓ Logged in to Boot.dev!
```

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Go

Node.js



Boot.dev

winget

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winget | apt | webi | go install

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 IT • DevOps • Backend Dev

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sudo apt install golang-go -y
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# Install Boot.dev CLI
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```
go install github.com/bootdotdev/bootdev@latest
```

```
bootdev login
```

```
✓ Logged in to Boot.dev!
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45-60 min

Beginner - Intermediate



# Course Outline

01

Intro & Prerequisites

0:00 - 5:00

02

Install Go on Windows

5:00 - 15:00

03

Install Go on Ubuntu Linux

15:00 - 25:00

04

Install Node.js on Windows

25:00 - 33:00

05

Install Node.js on Ubuntu Linux

33:00 - 40:00

06

Install Boot.dev CLI

40:00 - 50:00

07

Run First Boot.dev Lesson

50:00 - 57:00

08

Outro & Resources

57:00 - 60:00

# 🔧 Tools We're Using



## winget

Windows Package Manager

Built into Windows 10/11. Install software from the command line instantly.



## apt

Ubuntu Package Manager

Ubuntu's native package tool. Syncs & installs from official repos.



## webi

`webinstall.dev`

Universal one-liner installer. Always fetches the latest stable version.



## Go CLI

`go install`

Installs Go tools directly from source. Powers the Boot.dev CLI install.



# Install Go on Windows (winget)

Windows

1

## Check winget is available

```
$ winget --version
```

→ v1.x.x

2

## Install Go (Golang)

```
$ winget install GoLang.Go
```

→ Successfully installed

3

## Reopen terminal, then verify

```
$ go version
```

→ go version go1.22.0 windows/amd64

4

## Add GOBIN to PATH (if needed)

```
$ [Environment]::SetEnvironmentVariable("PATH",  
$env:PATH+";$env:USERPROFILE\go\bin", "User")
```



# Install Go on Ubuntu Linux

## Method A — apt (Simple)

```
$ sudo apt update
```

```
$ sudo apt install golang-go -y
```

```
$ go version
```

```
→ go version go1.x.x linux/amd64
```

### Add GOBIN to PATH (both methods):

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

💡 May be slightly older version — fine for most uses

## Method B — webi (Latest)

```
$ curl -sS https://webi.sh/golang | sh
```

```
$ source ~/.bashrc
```

```
$ go version
```

```
→ go version go1.x.x linux/amd64
```

### Add GOBIN to PATH (both methods):

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

💡 Always fetches the official latest stable release

# 🏠 Install Node.js on Windows (winget)

1

## Search available Node.js packages

```
$ winget search nodejs
```

→ OpenJS.NodeJS OpenJS.NodeJS.LTS ...

2

## Install Node.js LTS (recommended)

```
$ winget install OpenJS.NodeJS
```

→ Successfully installed

3

## Reopen terminal & verify both tools

```
$ node --version && npm --version
```

→ v22.x.x / 10.x.x

4

## Quick smoke test

```
$ node -e "console.log('Hello from Node.js!')"
```

→ Hello from Node.js!


# Install Node.js on Ubuntu Linux

## Method A — apt (Quick)

```
$ sudo apt update
```

```
$ sudo apt install nodejs npm -y
```

```
$ node --version && npm --version
```


 Simple but may be older Node version

## Method B — NodeSource (Recommended)

```
$ curl -fsSL https://deb.nodesource.com/setup_22.x | sudo -E bash -
```

```
$ sudo apt install nodejs -y
```

```
$ node --version
```

 Official LTS from NodeSource — always up to date



# Install & Use the Boot.dev CLI

1

## Install (requires Go)

```
go install github.com/bootdotdev/bootdev@latest
```

2

## Add to PATH – Linux

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

3

## Add to PATH – Windows

Add %USERPROFILE%\go\bin to System PATH

4

## Login to Boot.dev

```
bootdev login
```

5

## Verify

```
bootdev --version  
bootdev help
```

## CLI Quick Reference

```
bootdev login
```

Authenticate account

```
bootdev --version
```

Show CLI version

```
bootdev help
```

List all commands

```
bootdev run
```

Run lesson test locally

```
bootdev submit
```

Submit your solution



# Full Command Cheat Sheet

## Go Installation

Windows `winget install GoLang.Go`

Ubuntu apt `sudo apt install golang-go -y`

Ubuntu webi `curl -sS https://webi.sh/golang | sh`

Verify `go version`

## Node.js Installation

Windows `winget install OpenJS.NodeJS`

Ubuntu apt `sudo apt install nodejs npm -y`

Ubuntu NSrc `curl -fsSL https://deb.nodesource.com/setup_22.x | sudo -E bash -`

Verify `node --version && npm --version`

## Boot.dev CLI

Install `go install github.com/bootdotdev/bootdev@latest`

Linux PATH `echo 'export PATH=$PATH:$HOME/go/bin' >> ~/.bashrc && source ~/.bashrc`

Login `bootdev login`

Verify `bootdev --version && bootdev help`



# You Did It!

Here's what you accomplished in this course:



Go installed on Windows & Ubuntu



Node.js installed on Windows & Ubuntu




Boot.dev CLI set up & logged in



First Boot.dev lesson run from terminal

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