

# Debugging with Delve

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# Introduction

- Delve is a Go debugger, developed since mid-2014
- Command-line, Go library, and HTTP API
- Various editor plugins available

# Installation

```
$ go get github.com/derekparker/delve/cmd/dlv
```

Or, on macOS:

```
$ brew install go-delve/delve/delve
```

## Demo: Hello, Delve!

- `list (ls)`
- `break (b)`
- `breakpoints (bp)`
- `step (s)`
- `next (n)`
- `continue (c)`
- `stepout`
- `step-instruction (si)`

## Demo: Everyone's Favorite Contrived Example

- `args`
- `stack (bt)`
- `frame`
- `set`
- `print (p)`
- `condition (cond)`

## Demo: Goroutines

- goroutines
- goroutine
- threads
- thread

# Demo: Attaching to an Existing Process

```
dlv attach <pid> <executable>
```

# Demo: Remote Debugging

```
dlv debug --headless  
dlv connect <host:port>
```



Demo: Delve in VSCode

## Future

- 1.0 release
- Go 1.9 has better debug information
- Mozilla rr (linux/amd64 only)

The End. Questions?