

# Go Plugin

## Plugin Information

View Go [on the plugin site](#) for more information.

Automatically installs and sets up the [Go programming language](#) (golang) tools for a build.

## What it does

During a build, this plugin can:

- Install a pre-configured version of Go to the machine the build is running on
  - The correct package for the machine's operating system, CPU architecture and version will be automatically downloaded and installed, if required
- Export the `GOROOT` environment, pointing to the installed Go tools
- Add the path `$GOROOT/bin` to the `PATH`, so that the tools are available during the build

## Setup

### Global configuration

1. In the Jenkins global tool configuration settings (Manage Jenkins Global Tool Configuration), find the "Go" section, click "Go Installations..." and "Add Go".
2. Enter a name, e.g. "Go 1.8" — the name itself has no significance, but will be displayed to users during job configuration
3. Either select "Install automatically" and select the desired Go version from the drop-down list or specify the installation directory manually

### Per-job configuration

#### Freestyle

1. In a job's configuration, find the "Build environment" section
2. Select the "Set up Go programming language tools" checkbox
3. Select the Go version you wish to be installed when this job is built

#### Pipeline

As with any other type of Tool Installer, you can use the `tool` step to install Go, using the `go` tool type. For example:

```
// Run on an agent where we want to use Go
node {
  // Install the desired Go version
  def root = tool name: 'Go 1.8', type: 'go'

  // Export environment variables pointing to the directory where Go was installed
  withEnv(["GOROOT=${root}", "PATH+GO=${root}/bin"]) {
    sh 'go version'
  }
}
```

## Version history

### Version 1.2 (February 25, 2017)

- Stopped breaking tool configuration page if the version metadata had not been fetched (see [JENKINS-27499](#))
- Added `go` symbol, for use with the Pipeline `tool` step (see [JENKINS-34345](#))
- Increased required Jenkins version to 1.642.3

### Version 1.1 (June 21, 2014)

- Worked around bug causing newer versions of Go to not install (see [JENKINS-23509](#))
- Fixed bug where wrong package for OS X could be installed (see [JENKINS-23505](#))
- Ensured "Install automatically" is checked by default when adding a Go installation

### Version 1.0 (June 18, 2014)

- Initial release