proposal: Go 2:

Author background

- **Would you consider yourself a novice, intermediate, or experienced Go programmer?**
- **What other languages do you have experience with?**

Related proposals

- **Has this idea, or one like it, been proposed before?**
  - **If so, how does this proposal differ?**
- **Does this affect error handling?**
  - **If so, how does this differ from previous error handling proposals?**
- **Is this about generics?**
  - **If so, how does this relate to the accepted design and other generics proposals?**

Proposal

- **What is the proposed change?**
- **Who does this proposal help, and why?**
- **Please describe as precisely as possible the change to the language.**
- **What would change in the language spec?**
- **Please also describe the change informally, as in a class teaching Go.**
- **Is this change backward compatible?**
  - Breaking the Go 1 compatibility guarantee is a large cost and requires a large benefit. Show example code before and after the change.
  - **Before**
  - **After**
- **Orthogonality: how does this change interact or overlap with existing features?**
- **Is the goal of this change a performance improvement?**
  - **If so, what quantifiable improvement should we expect?**
  - **How would we measure it?**

Costs

- Would this change make Go easier or harder to learn, and why?
- What is the cost of this proposal? (Every language change has a cost).
- How many tools (such as vet, gopls, gofmt, goimports, etc.) would be affected?
- What is the compile time cost?
- What is the run time cost?
- Can you describe a possible implementation?
- Do you have a prototype? (This is not required.)