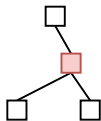


Parse package sources

AST & CFG

### Go-safer "sliceheader" analysis



Find composite literals and assignments

Check type information

#### struct type

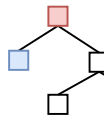
+ Data: uintptr  
+ Len: int  
+ (Cap: int)

Inspect CFG for function with assignment



Derived by cast?

### Go-safer "structcast" analysis



Find cast operations between struct types

Compare

#### struct type

+ F1: uint64  
+ F2: int  
+ ...

#### struct type

+ G1: int  
+ G2: int  
+ ...

int

uint

uintptr

Count and check mismatch

Analysis results