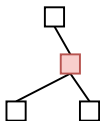


Parse package sources

AST & CFG

Go-safer "sliceheader" analysis



Find composite literals and assignments

Check type information

struct type

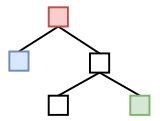
+ Data: uintptr
+ Len: int
+ (Cap: int)

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