

How to run programs written with  
unsafe programming languages?

# Fortify Source Functions

- GCC macro `FORTIFY_SOURCE` provides buffer overflow checks for unsafe C libraries

`memcpy`, `mempcpy`, `memmove`, `memset`, `strcpy`,  
`stpcpy`, `strncpy`, `strcat`, `strncat`, `sprintf`,  
`vsprintf`, `snprintf`, `vsnprintf`, `gets`

Checks are performed

- some at compile time (compiler warnings)
- other at run time (code dynamically added to binary)