



















Identifying pointers

"Accurate": always know unambiguously where pointers are

Use some subset of the following to do this:

- static type info & compiler support
- run-time tagging scheme
- run-time conventions about where pointers can be
- Conservative:
 - assume anything that looks like a pointer might a pointer,
 - & mark target block reachable
 - + supports GC in "uncooperative environments", e.g. C, C++

What "looks" like a pointer?

- most optimistic: just align pointers to beginning of blocks
- what about interior pointers? off-the-end pointers? unaligned pointers?
- Miss encoded pointers (e.g. xor'd ptrs), ptrs in files, ...

















