

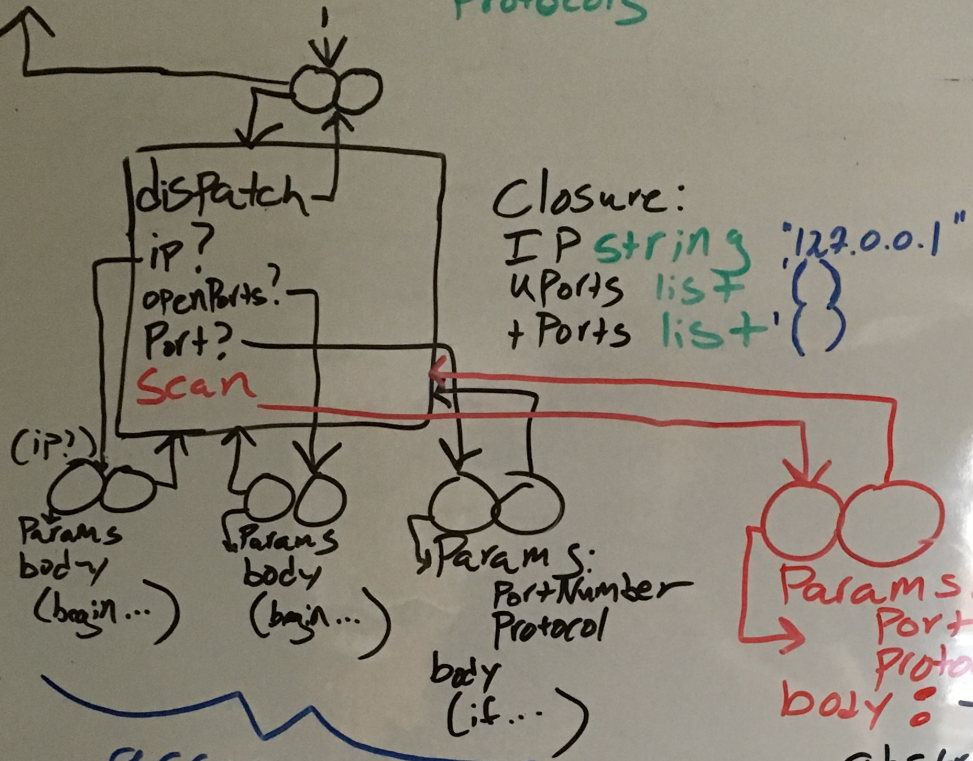
Can we
Pina?
System
call?

How to solve it
Understanding the Problem
Dividing a Plan
Carrying Out the Plan
Looking Back

Params:
M
body (if...)

(define machine1
(drScantron "127.0.0.1"
 (0 80)
 ('t u)))

→ a string for IP
→ a list that represents a range of ports
→ a list representing Protocols



accessors
• message passing from dispatch

(machine1 ('Port 22 t)
> Open
(machine1 ('openPorts? t)
> ((22-ssh) (80-webserver)
 (443-ssl))
(machine1 ('ip?)
> "127.0.0.1")

- either tcp, udp, or Both*
- Create thread for each Port attempt

- Catch error
tcp-connect: Connection failed and do nothing
OR
- We got ACK if TCP or an opened UDP port
 ↳ add to list of Open Ports

* Constructor creates threads (?)
Scan should only take one protocol.