

Distributed Systems

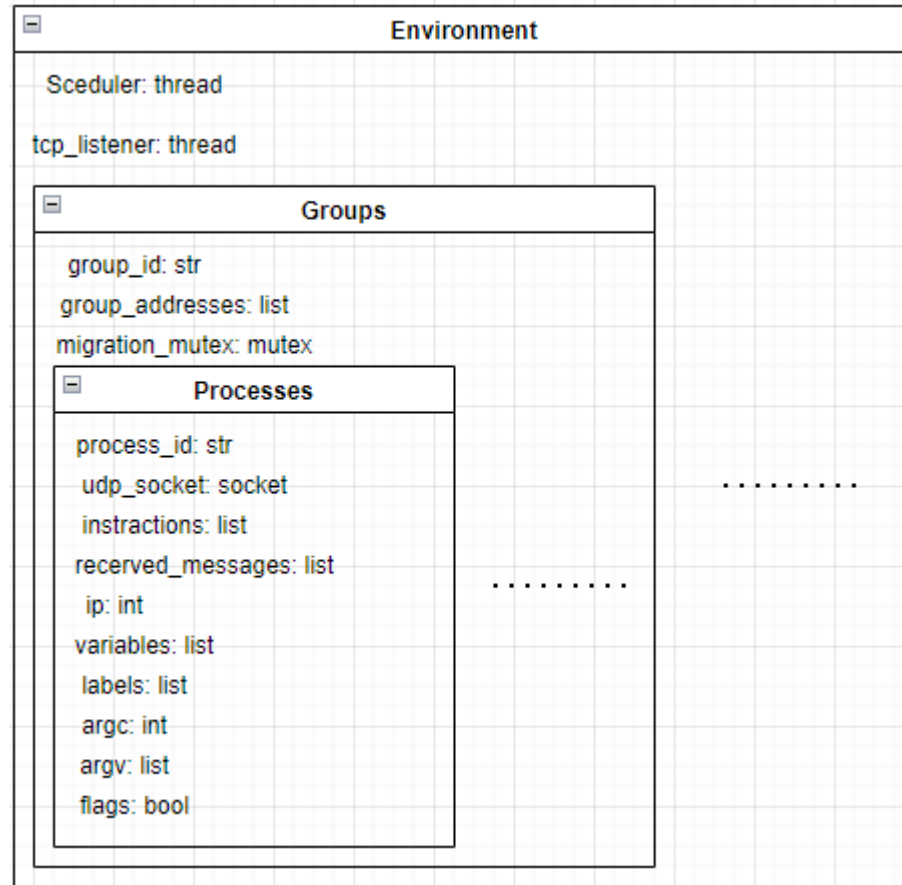
Stolidhs Alexandros 2824

Koutsoukis Nikolaos 2907



DEPARTMENT OF ELECTRICAL
& COMPUTER ENGINEERING

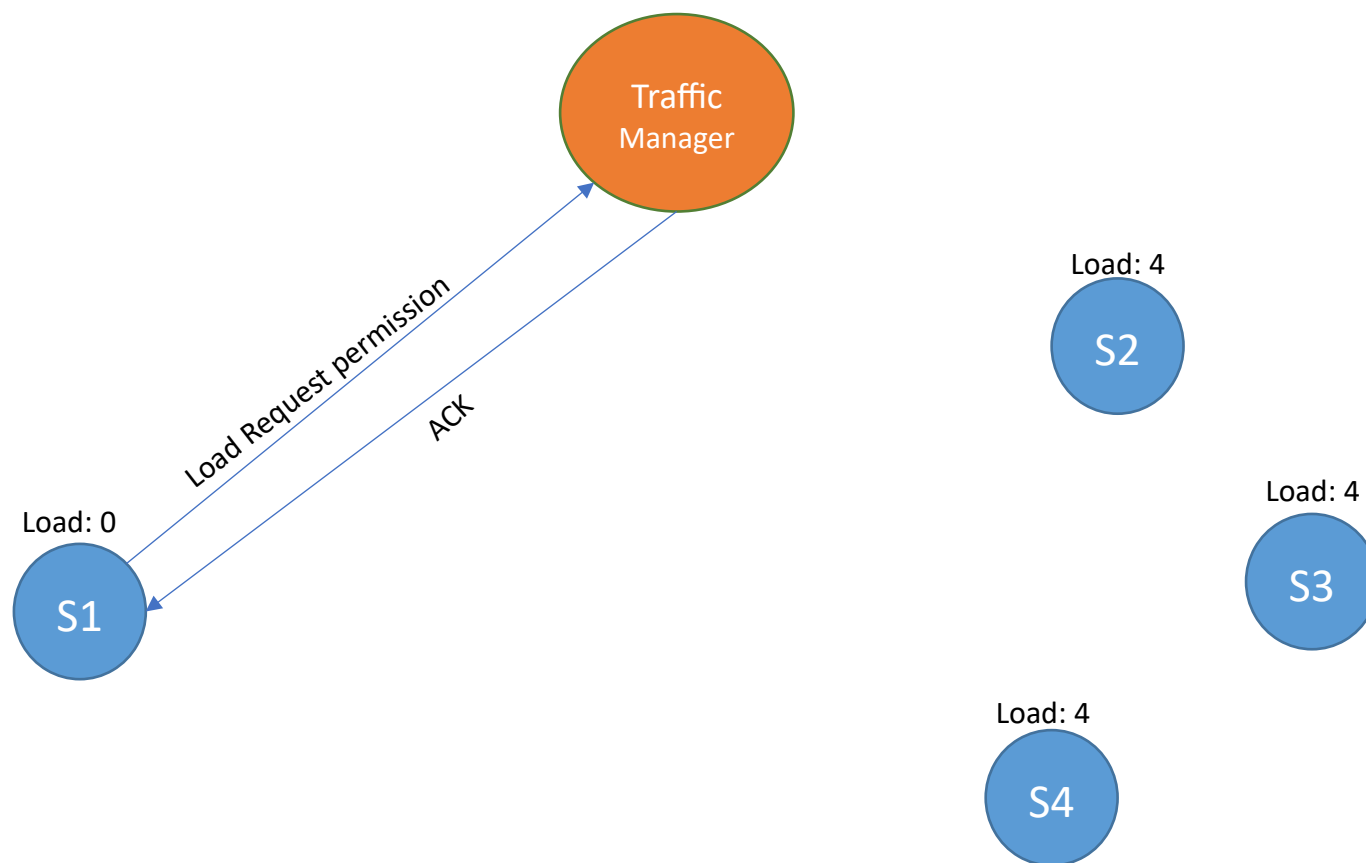
Files of the API



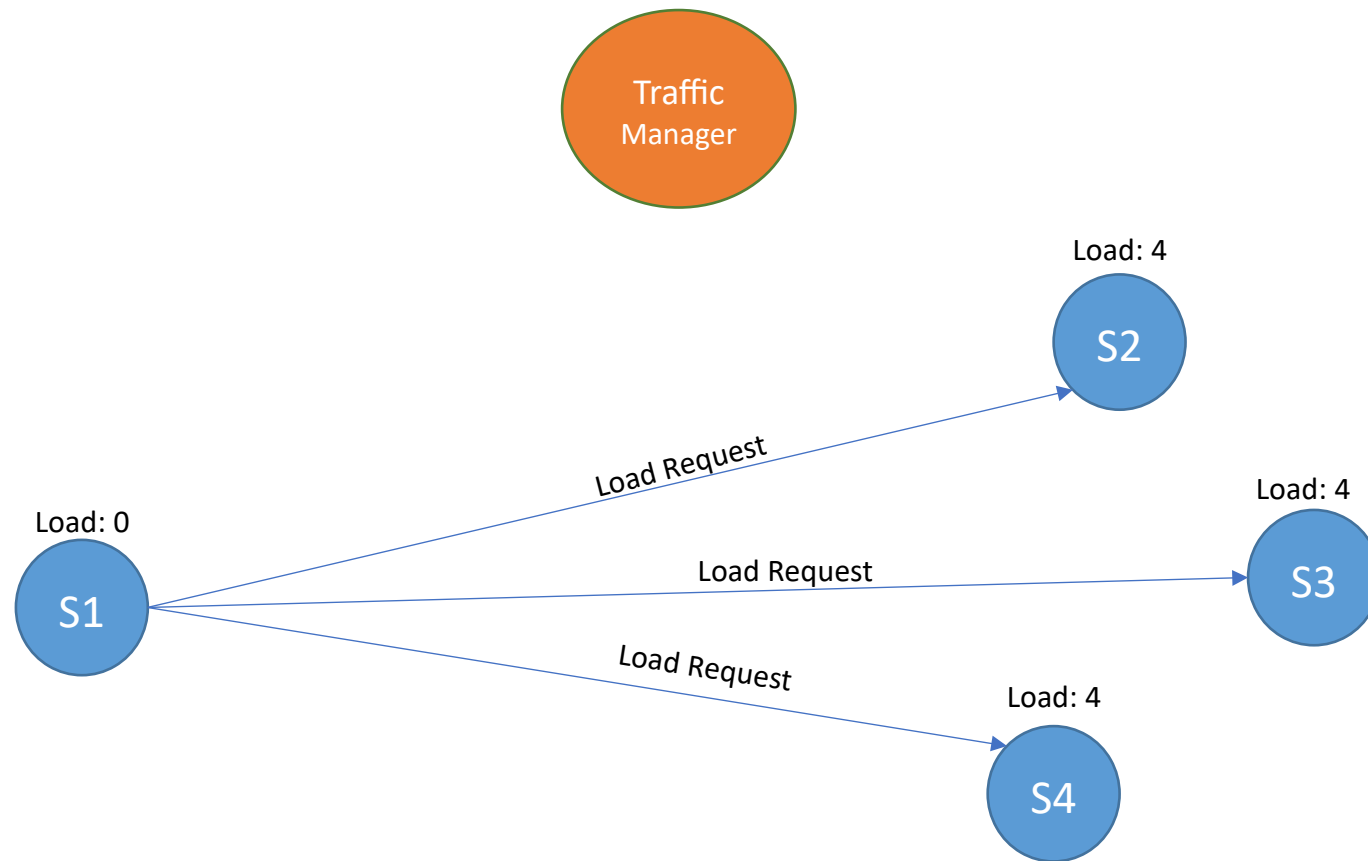
SCENARIO 1

(JOIN)

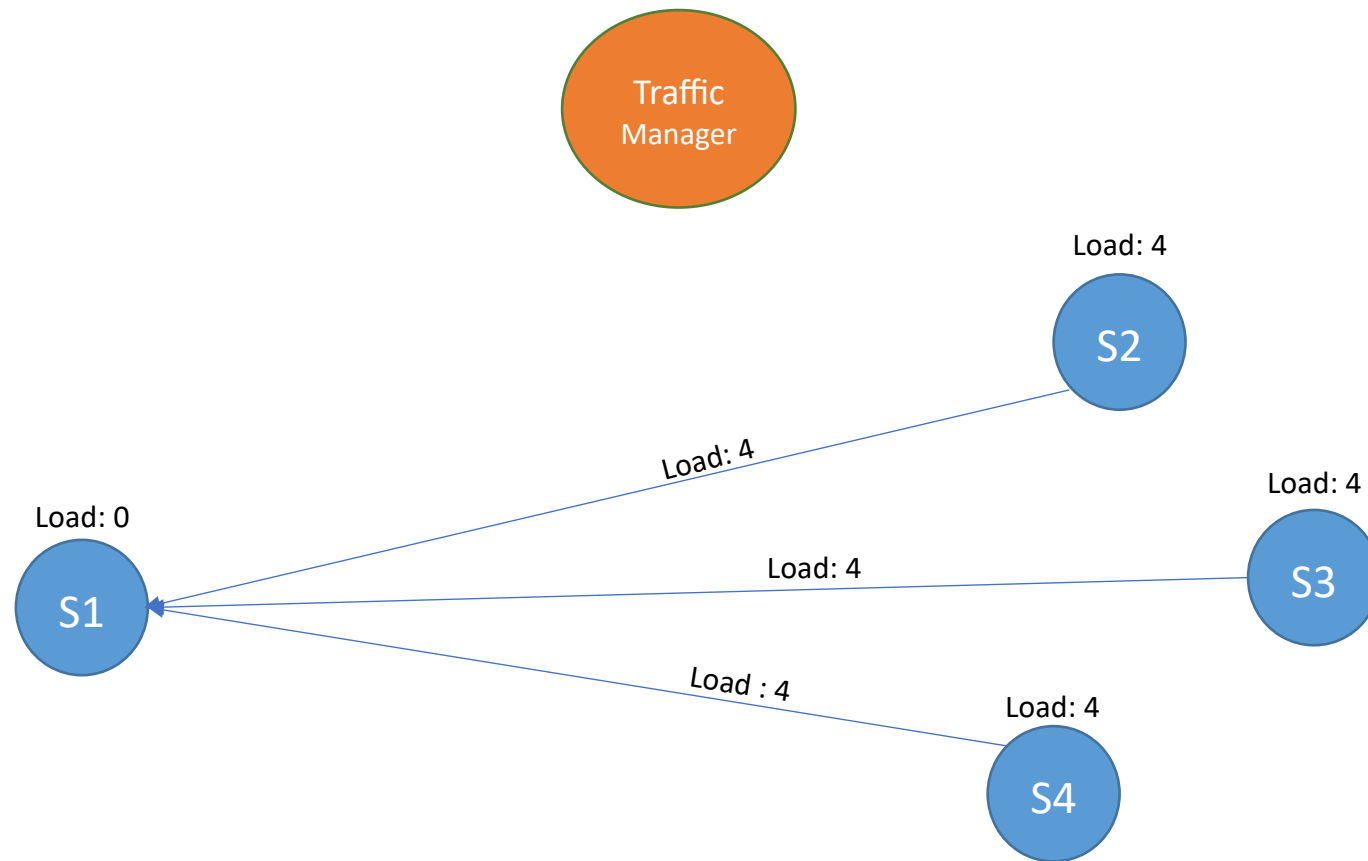
Join new Server



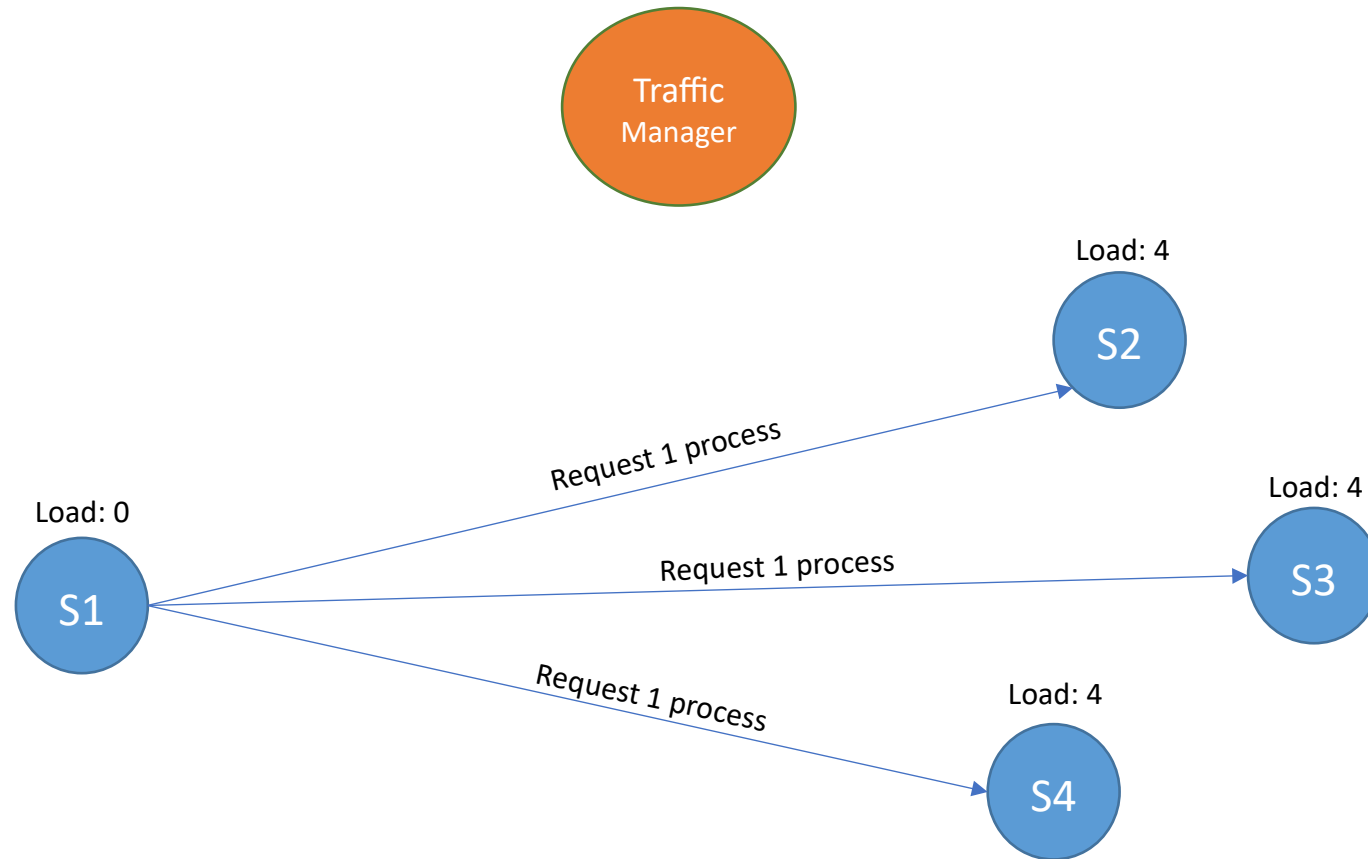
Join new Server



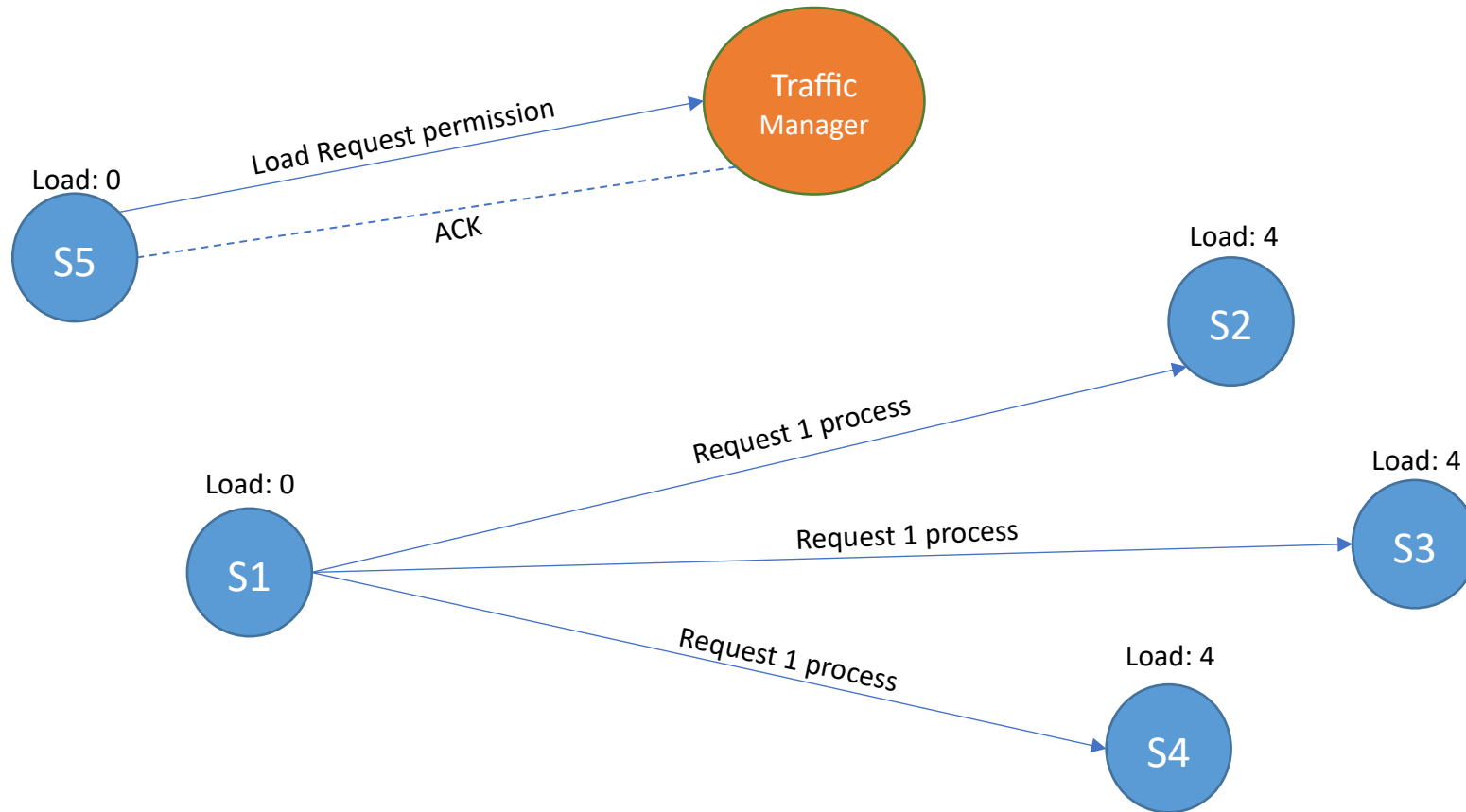
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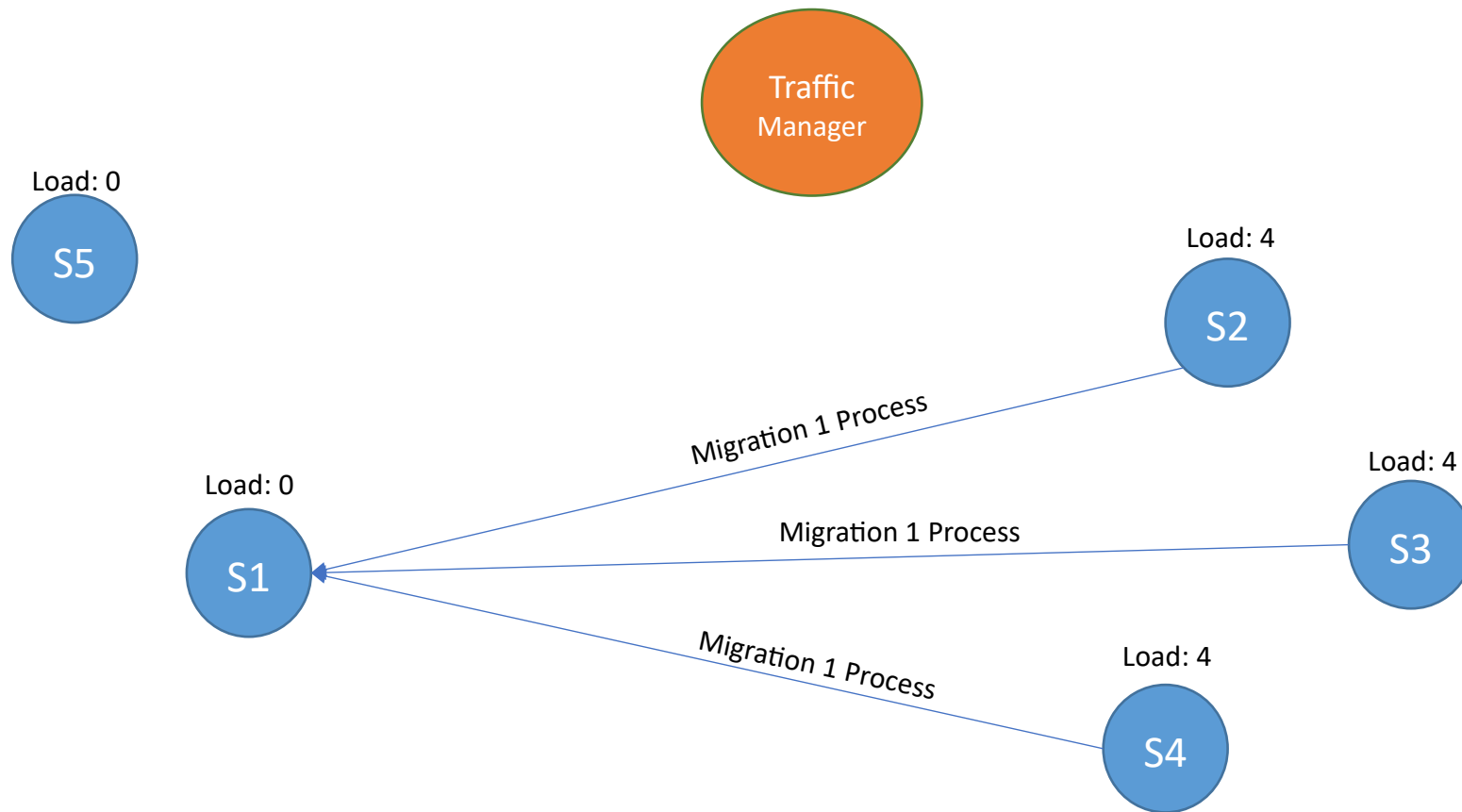
Join new Server



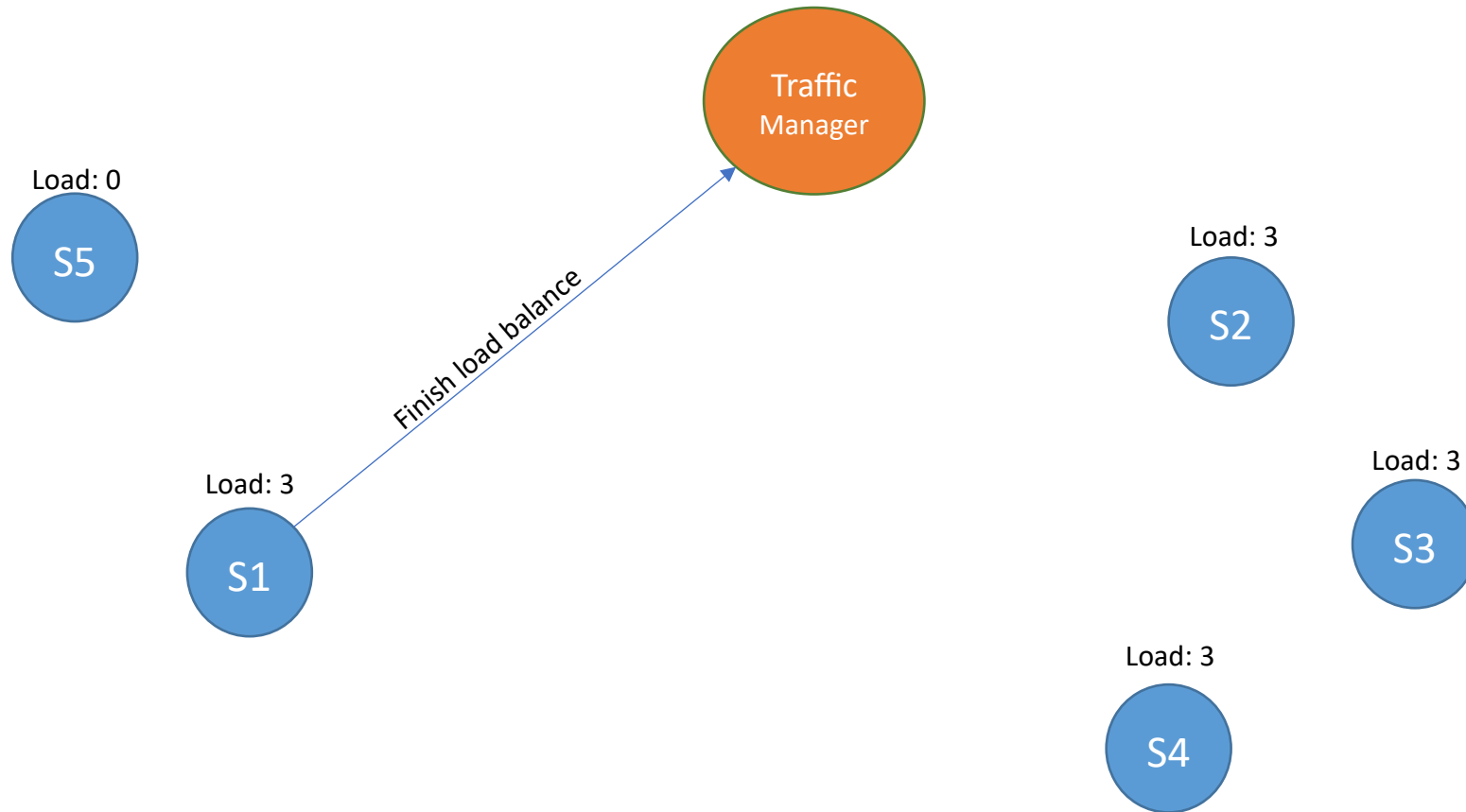
Join new Server



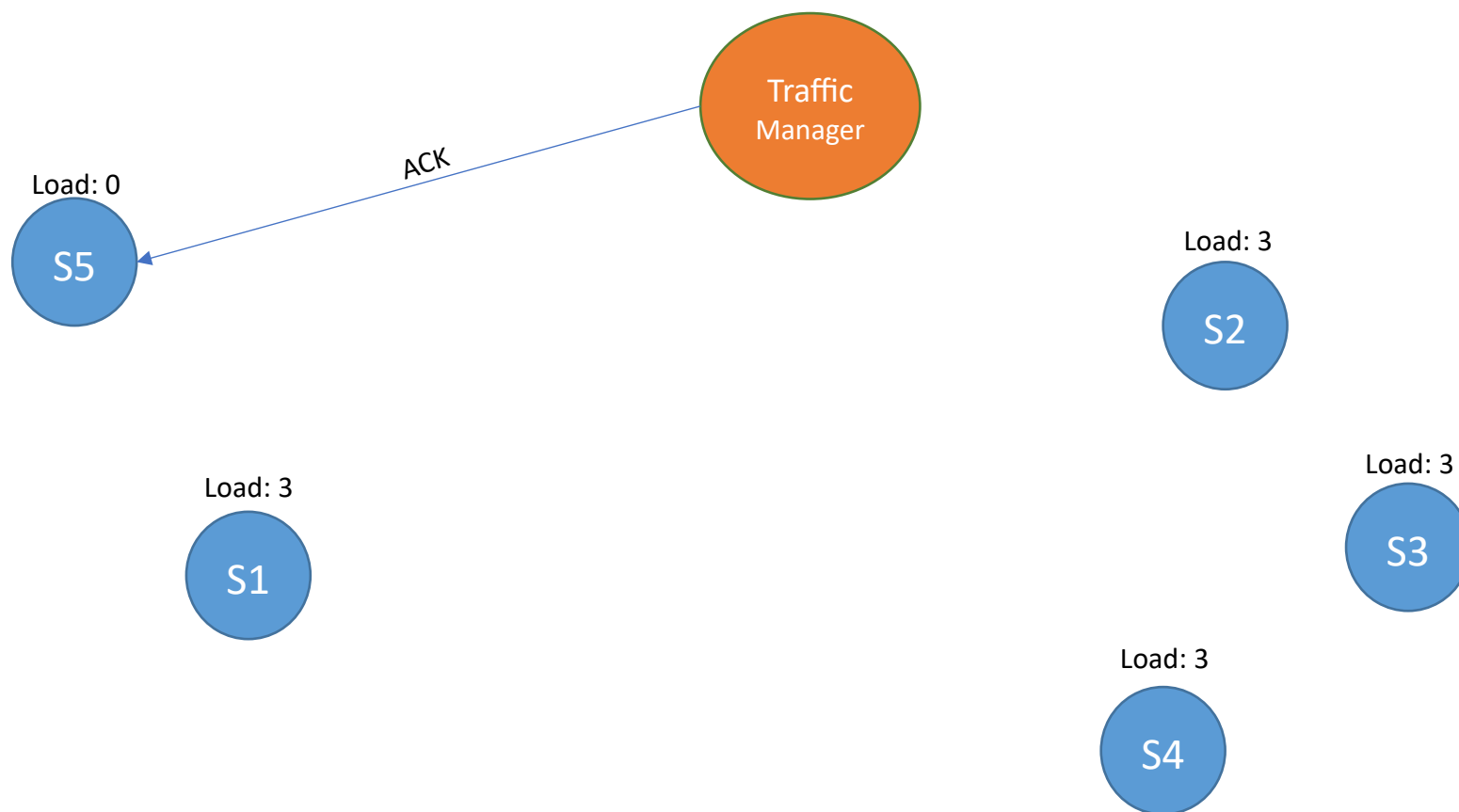
Join new Server



Join new Server

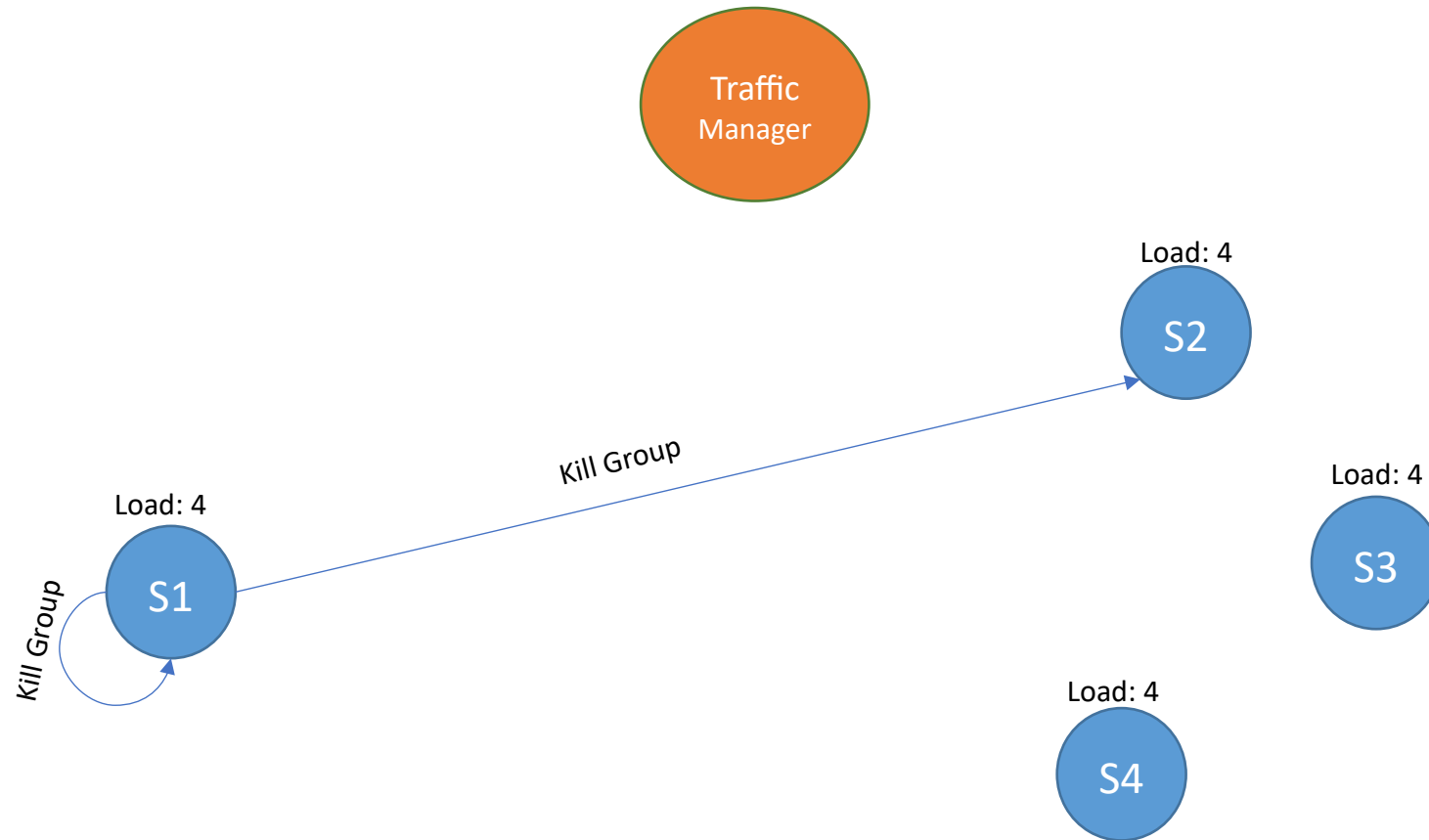


Join new Server

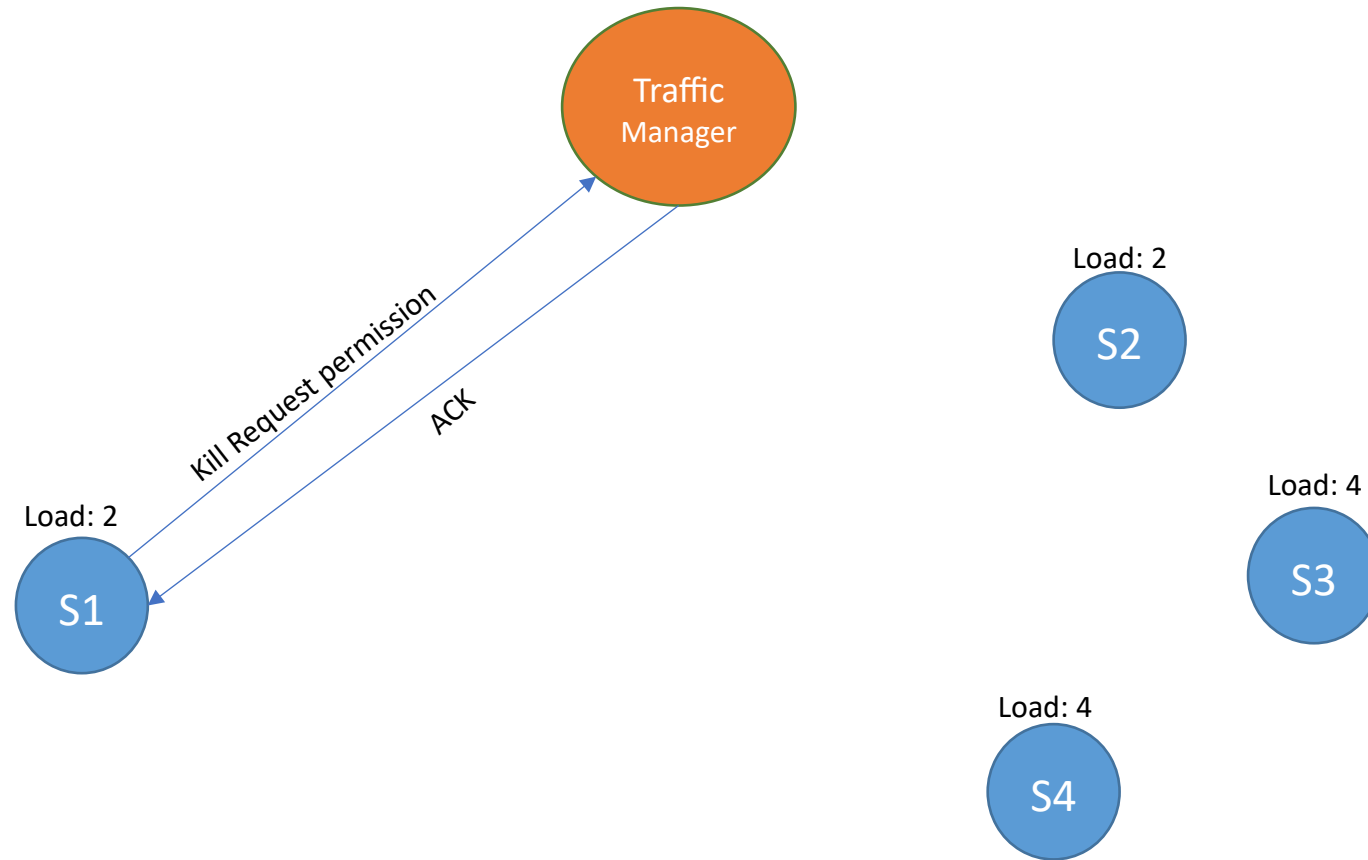


SCENARIO 2 (KILL GROUP)

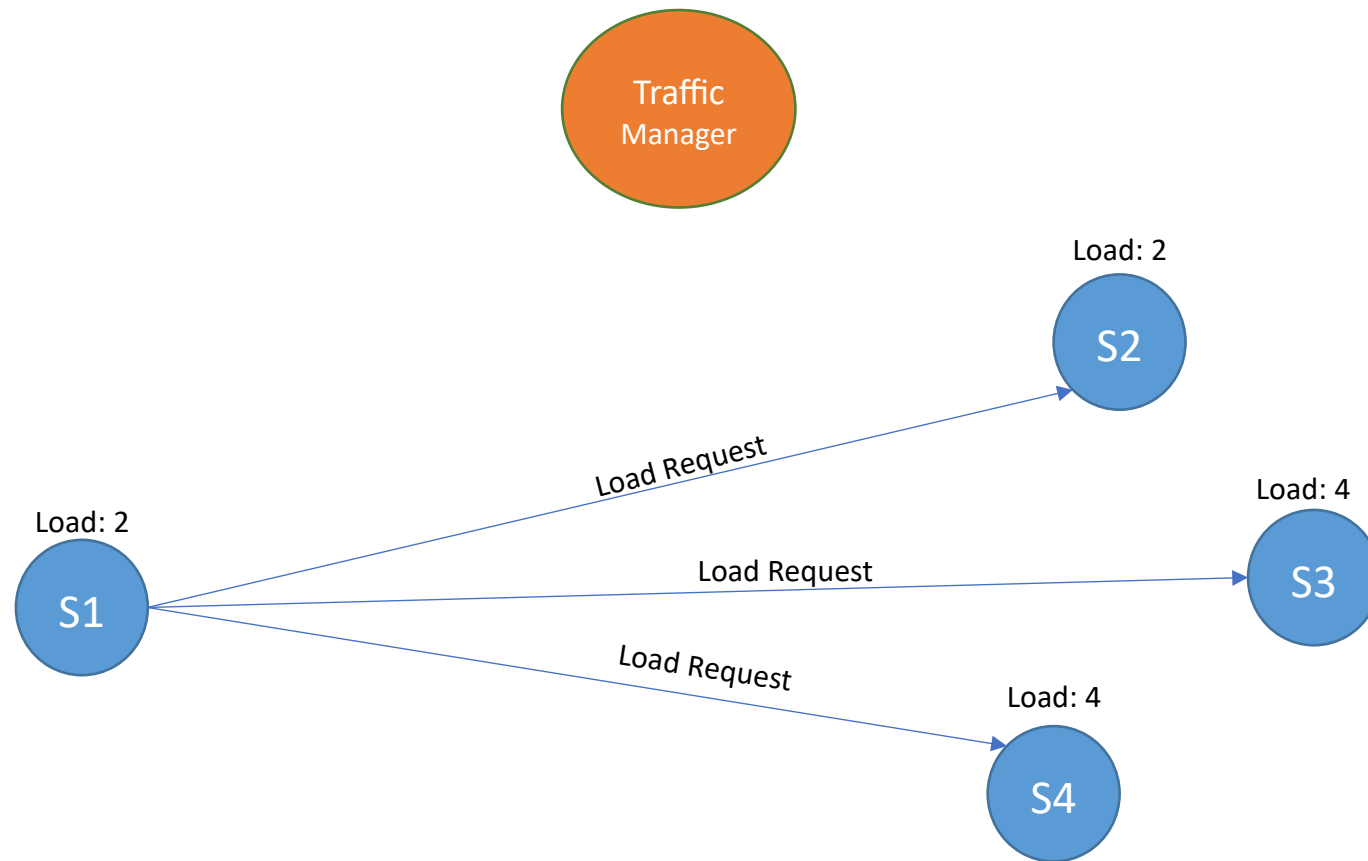
Kill Group



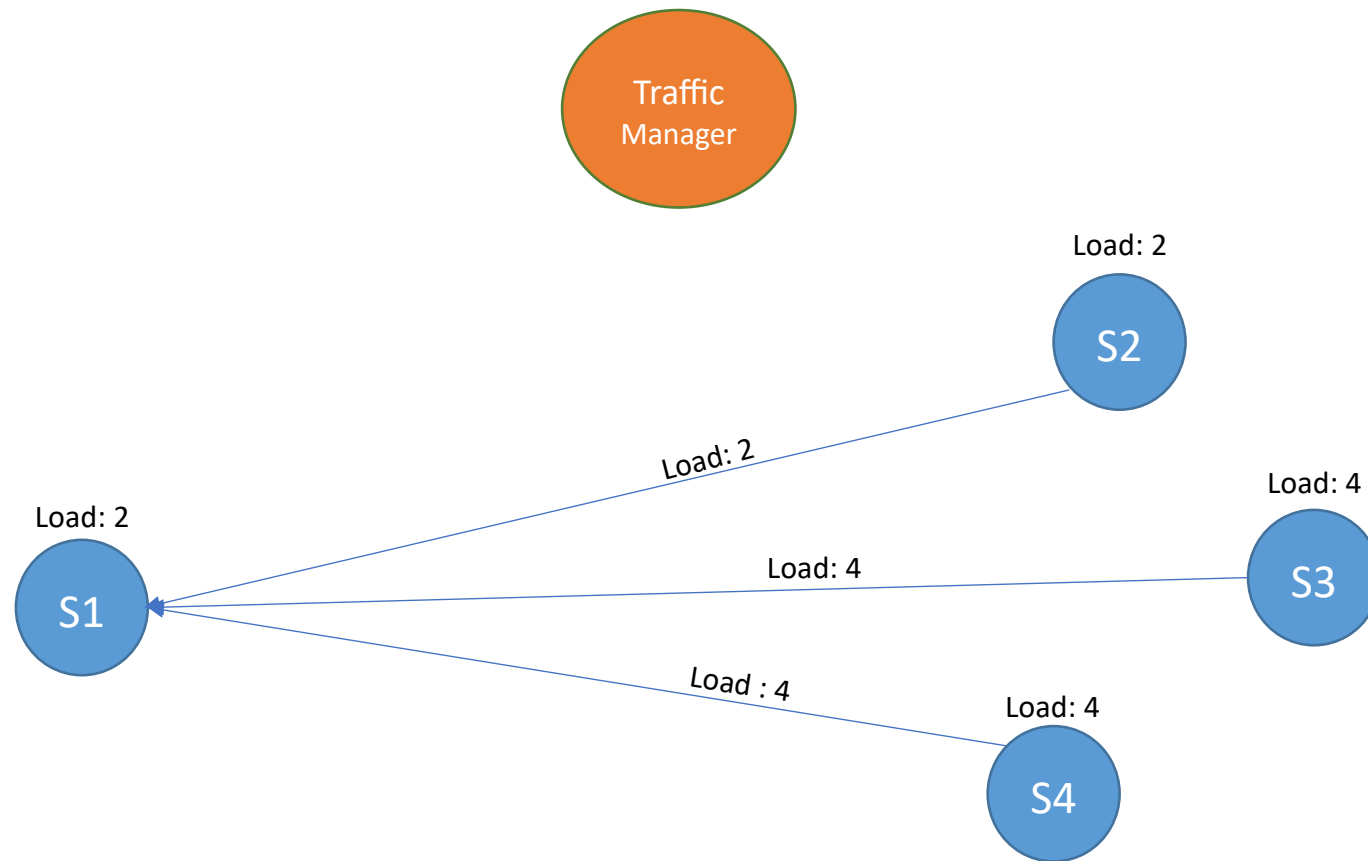
Kill Group



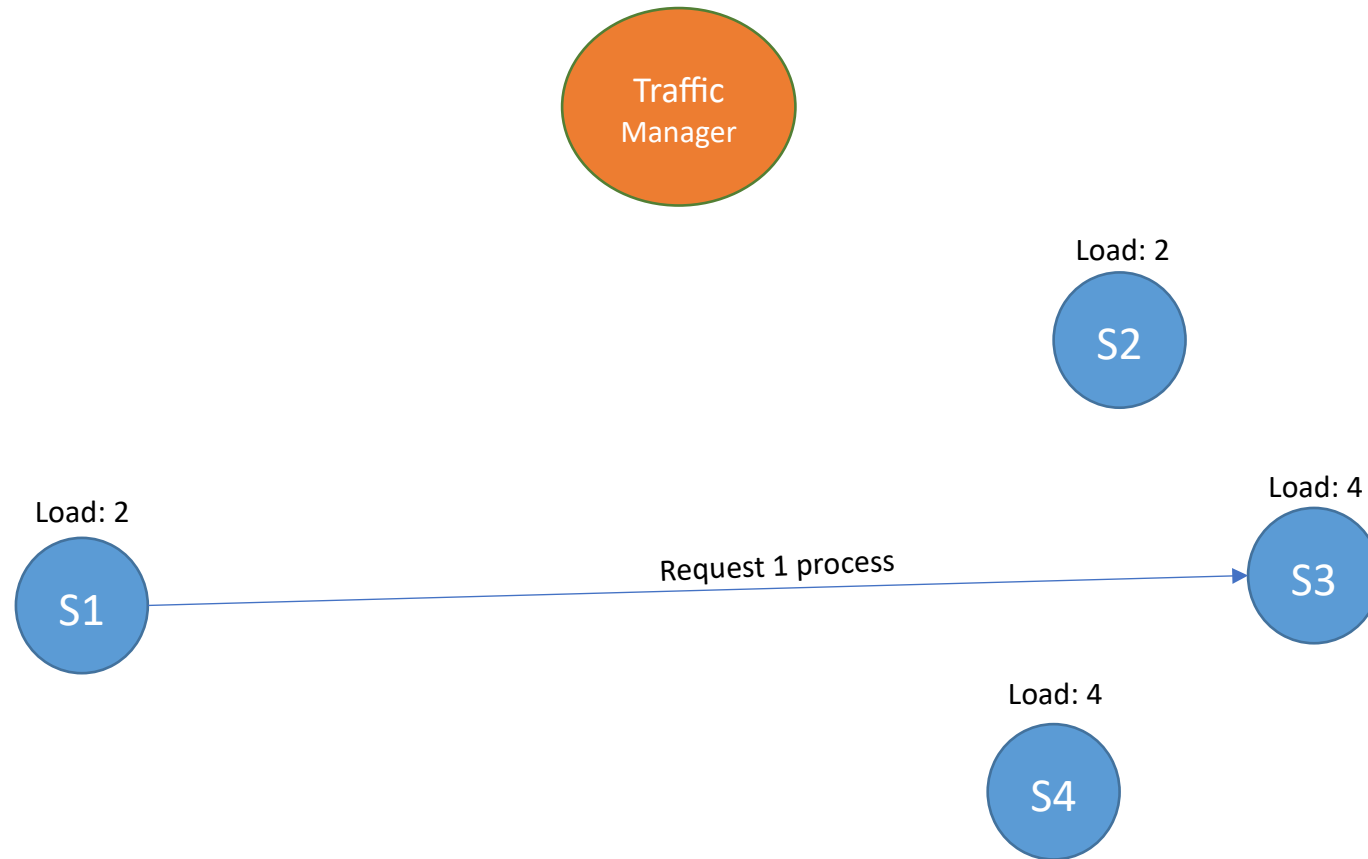
Kill Group



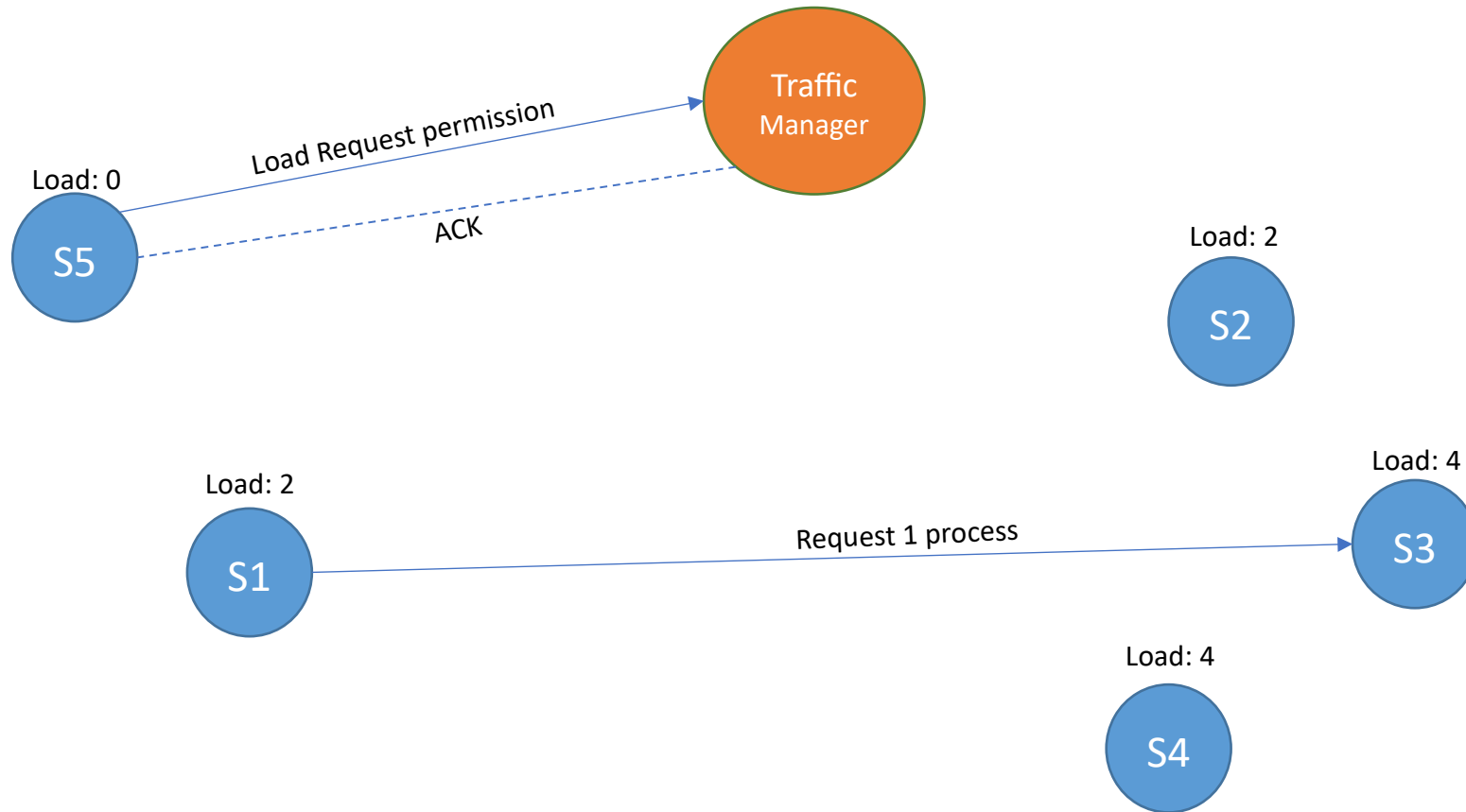
Kill Group



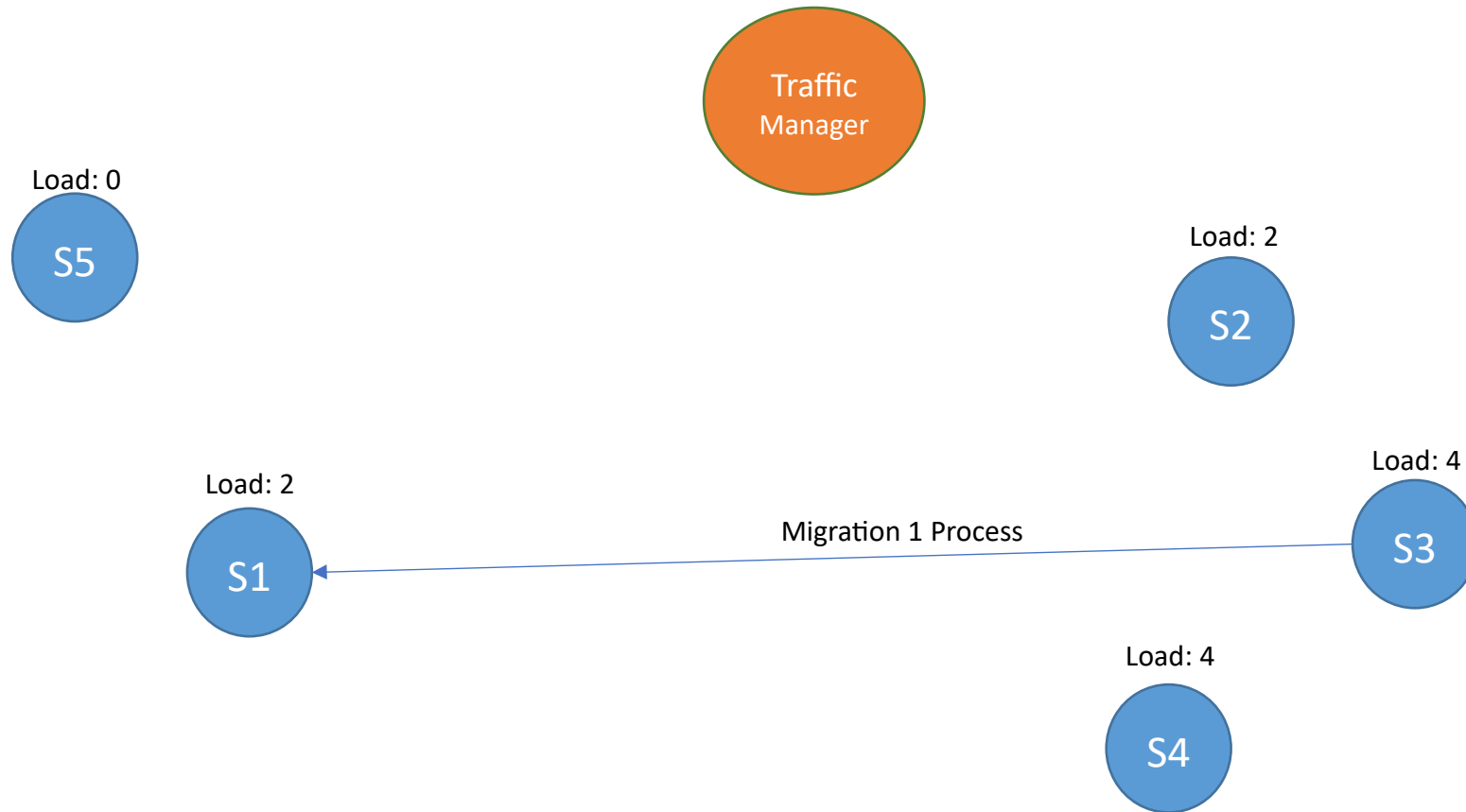
Kill Group



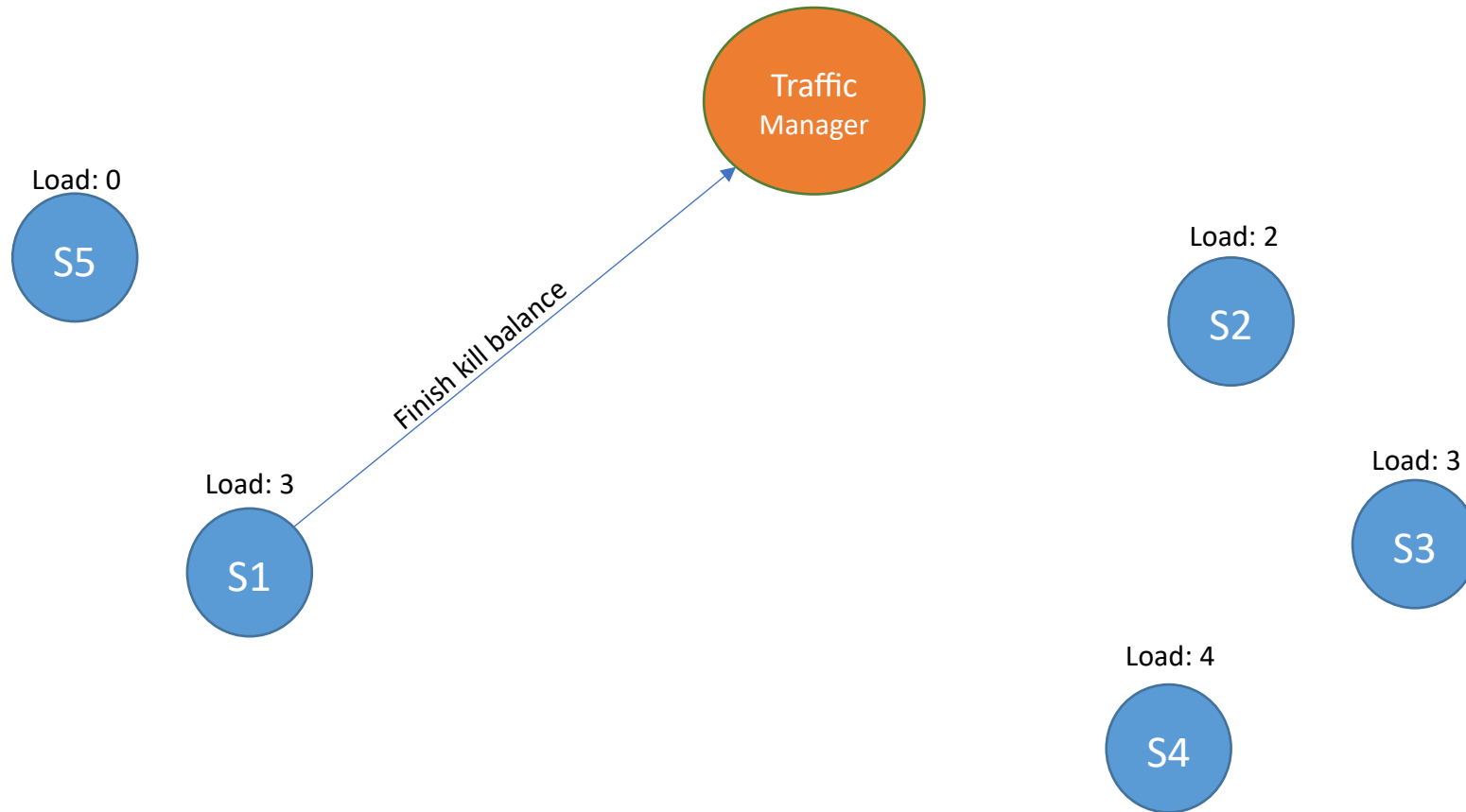
Kill Group



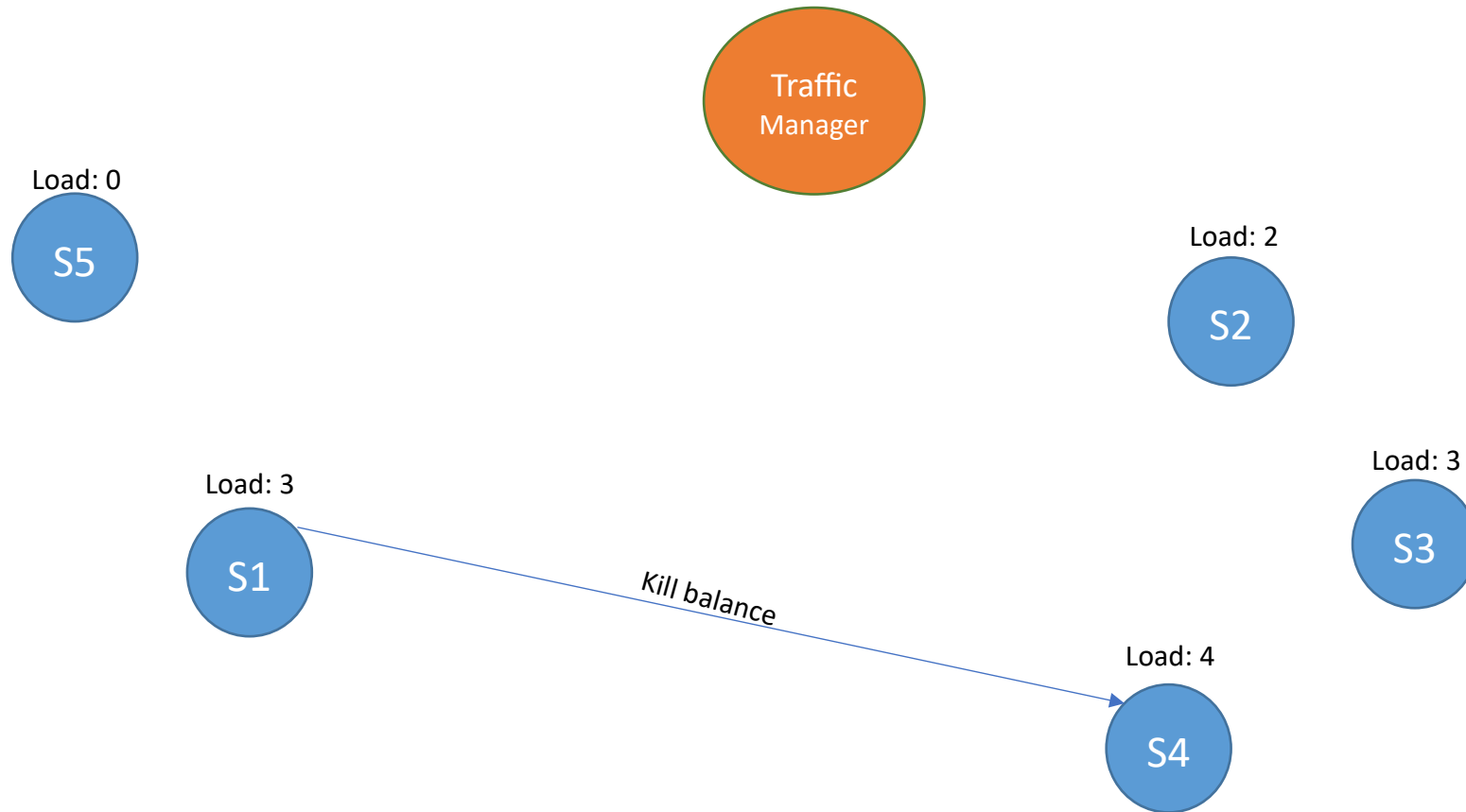
Kill Group



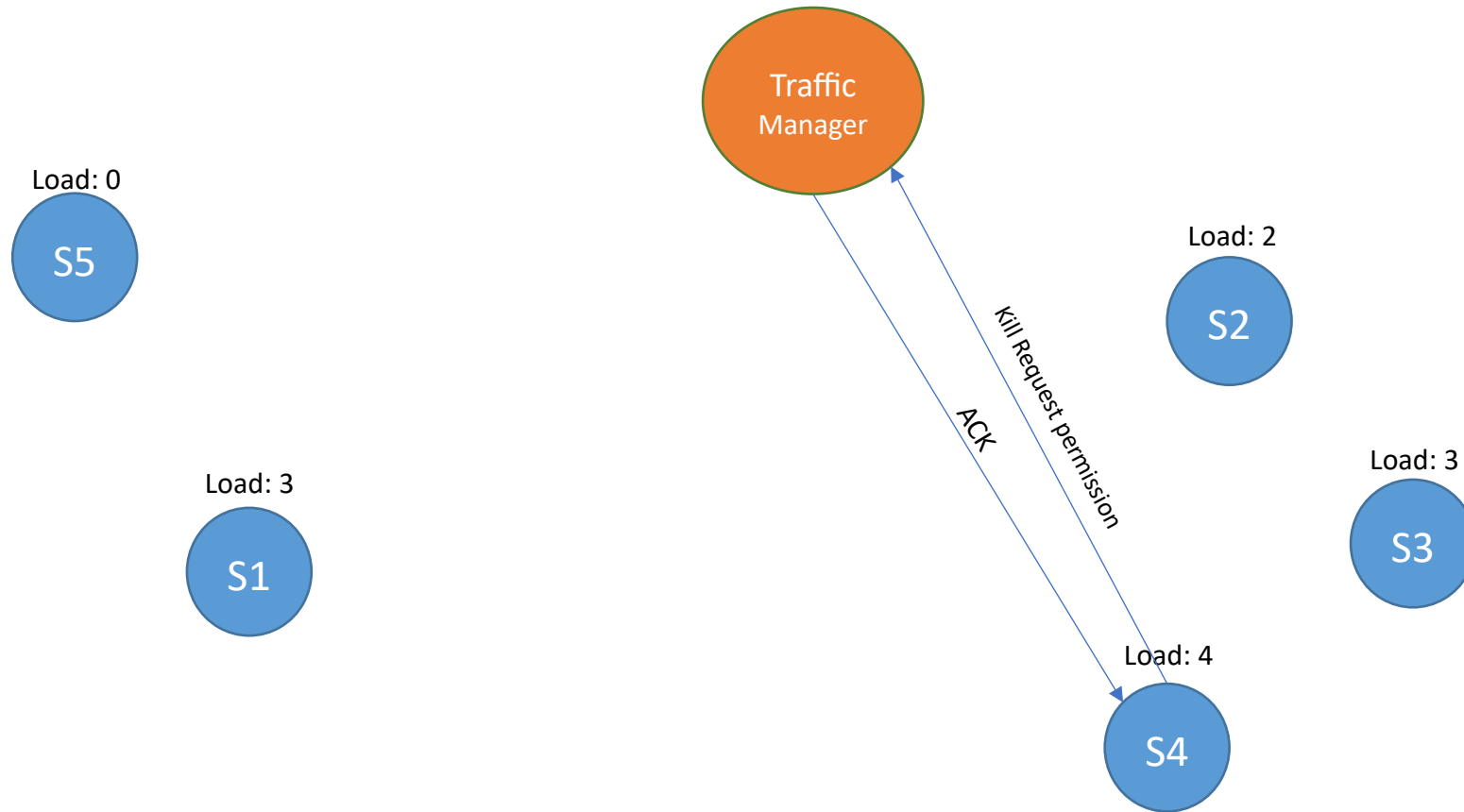
Kill Group



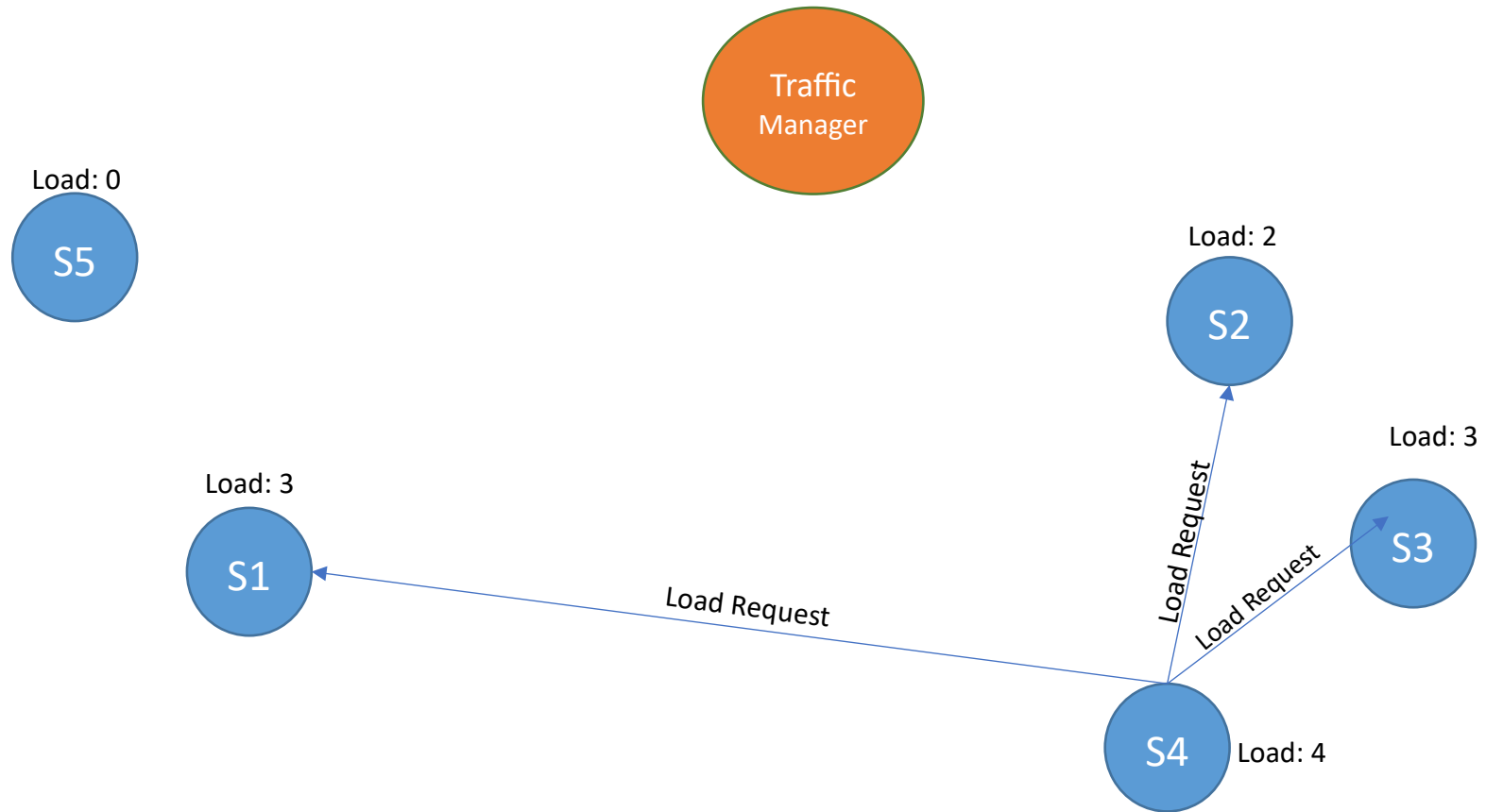
Kill Group



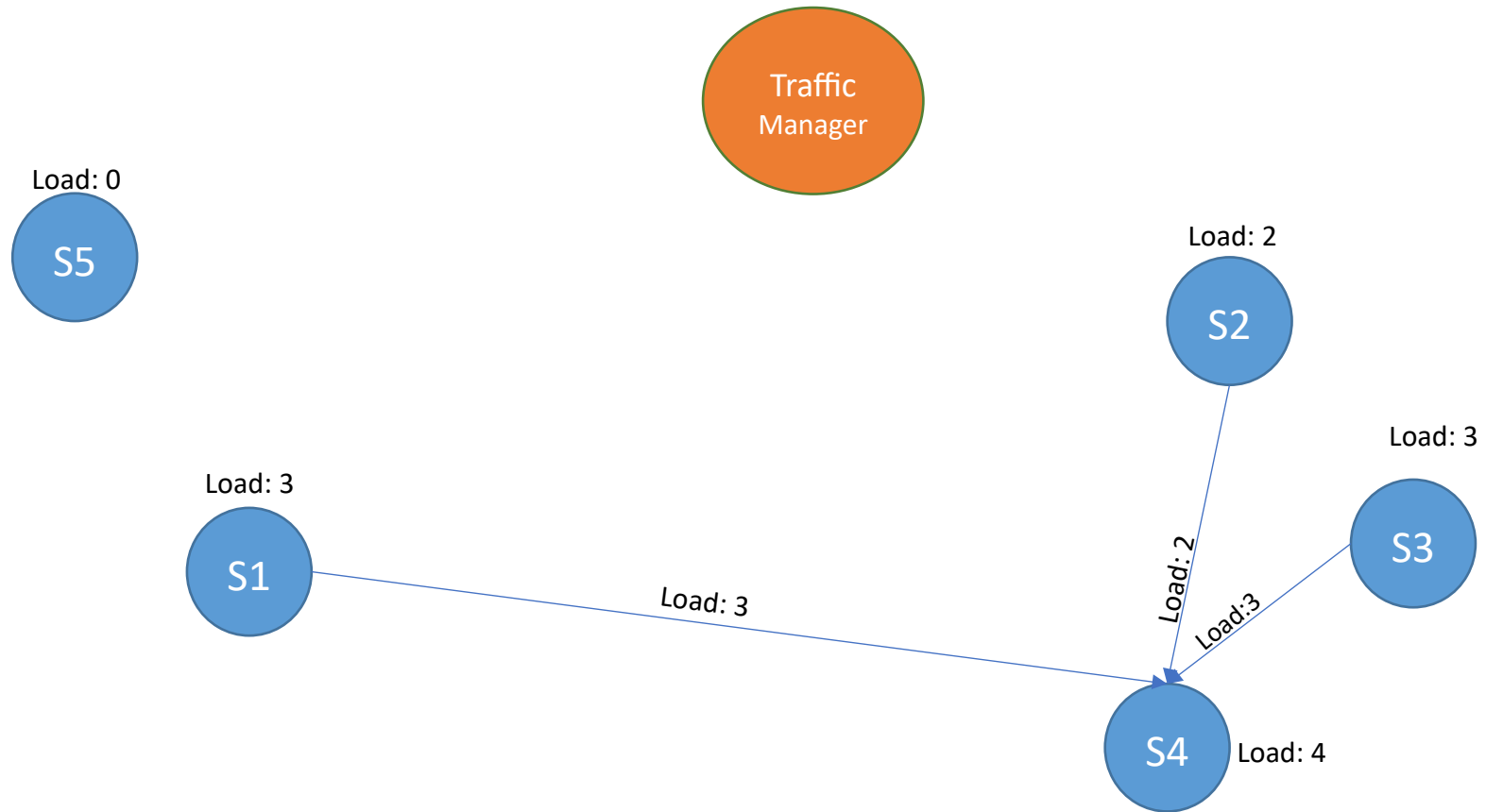
Kill Group



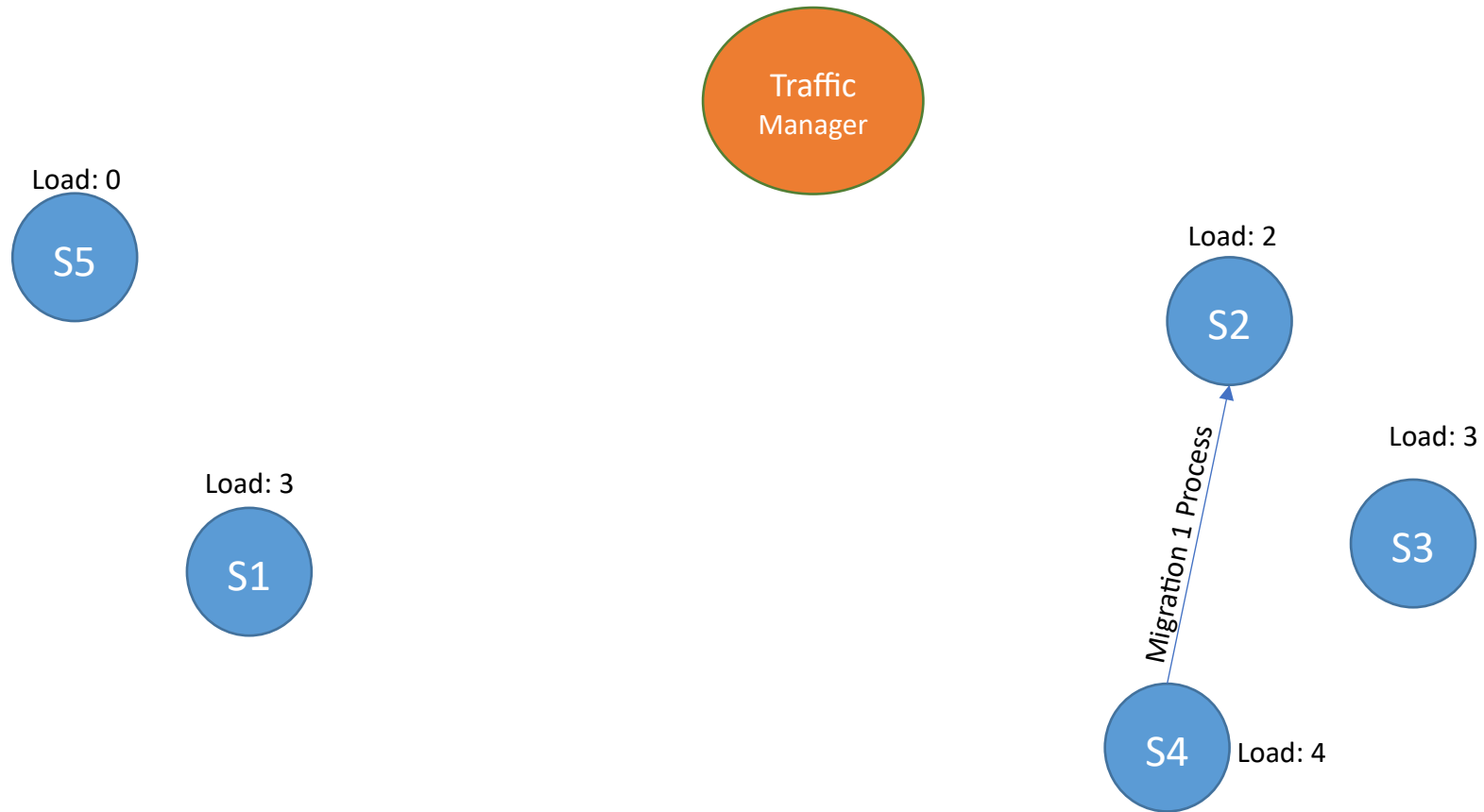
Kill Group



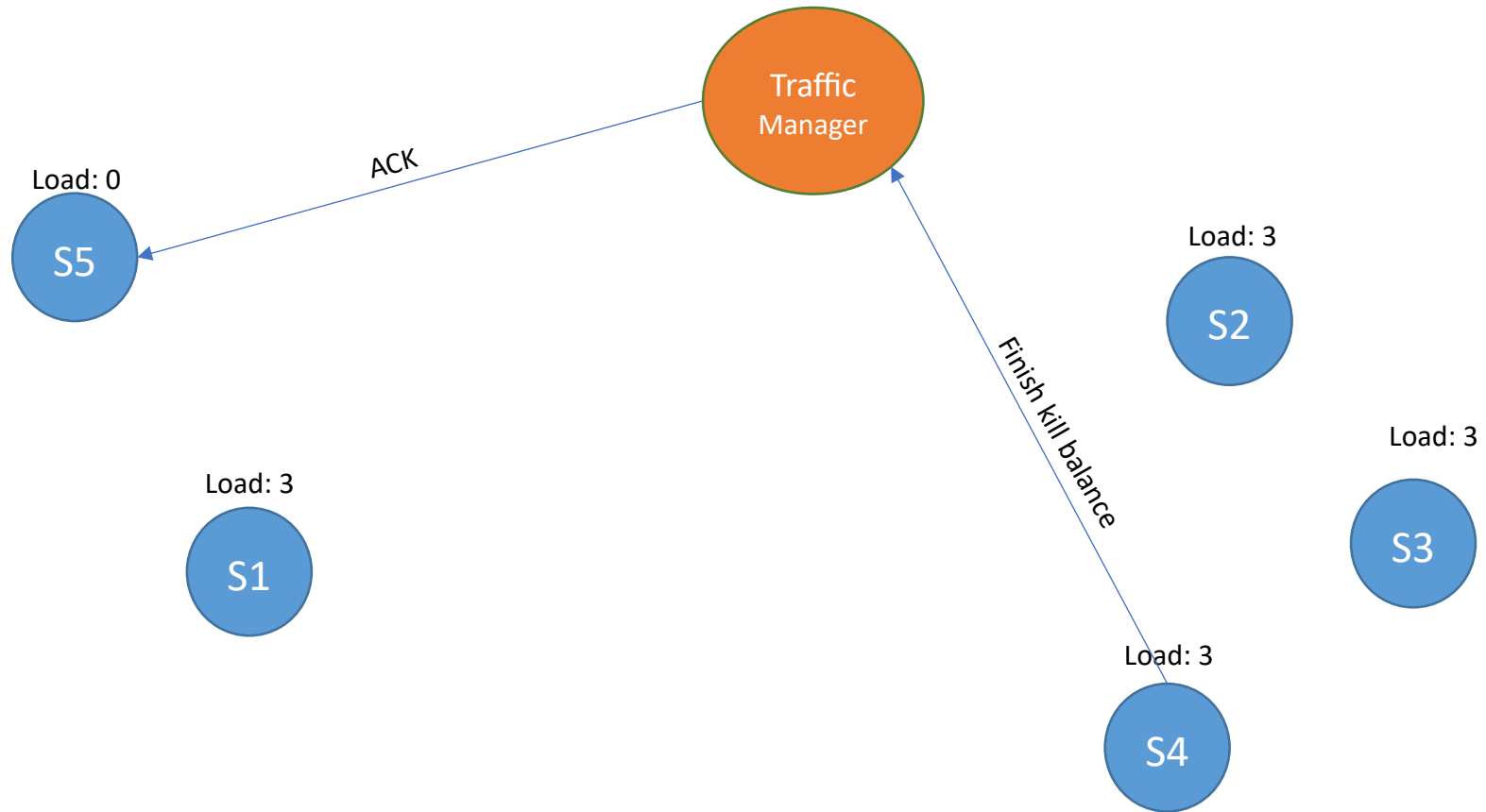
Kill Group



Kill Group

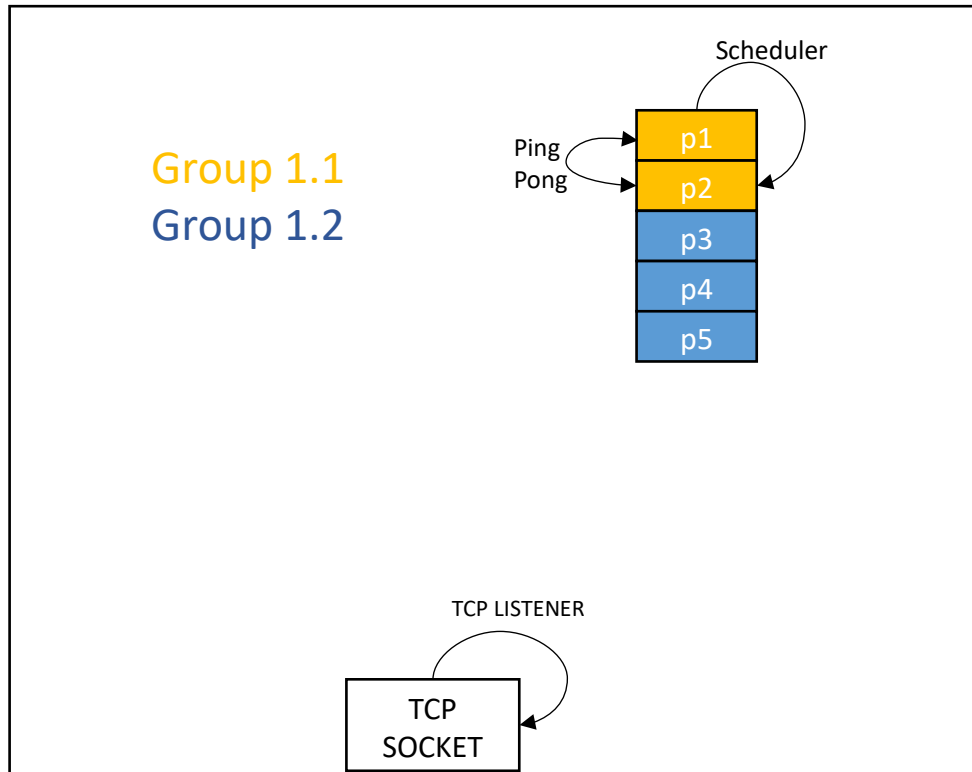


Kill Group

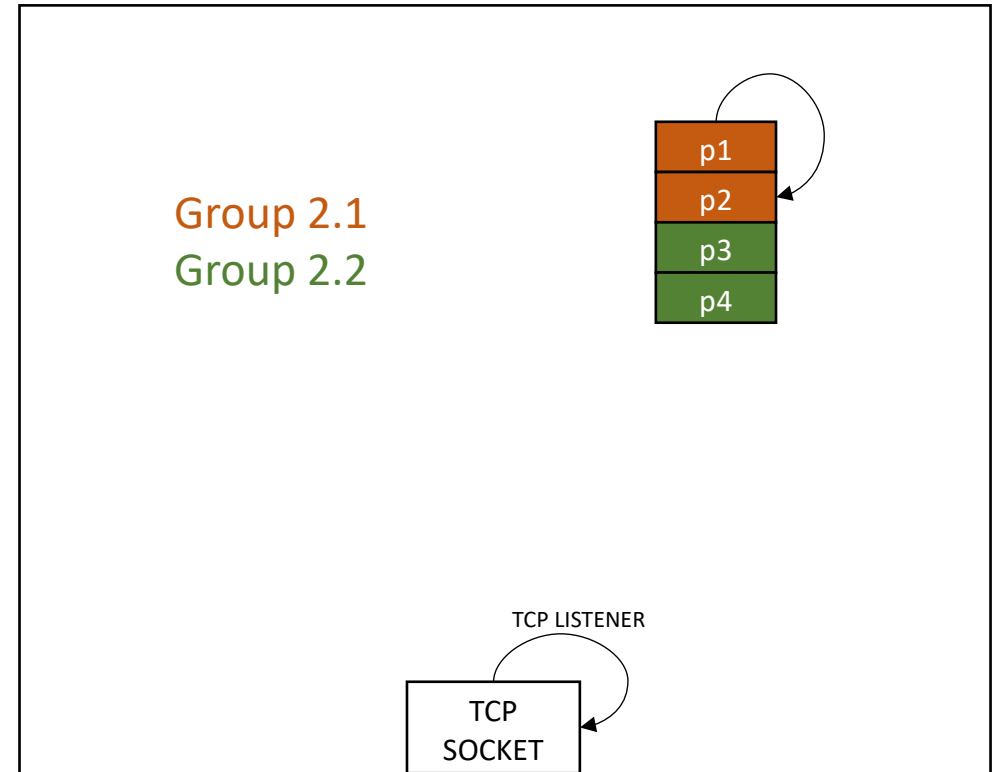


Environment API

Environment 1



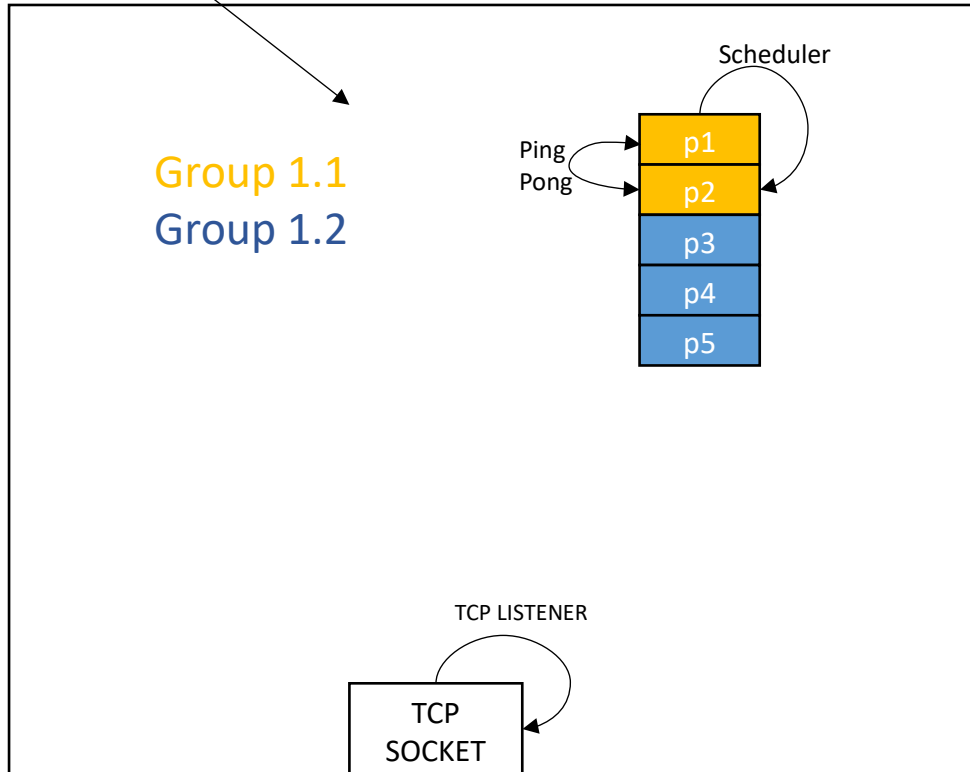
Environment 2



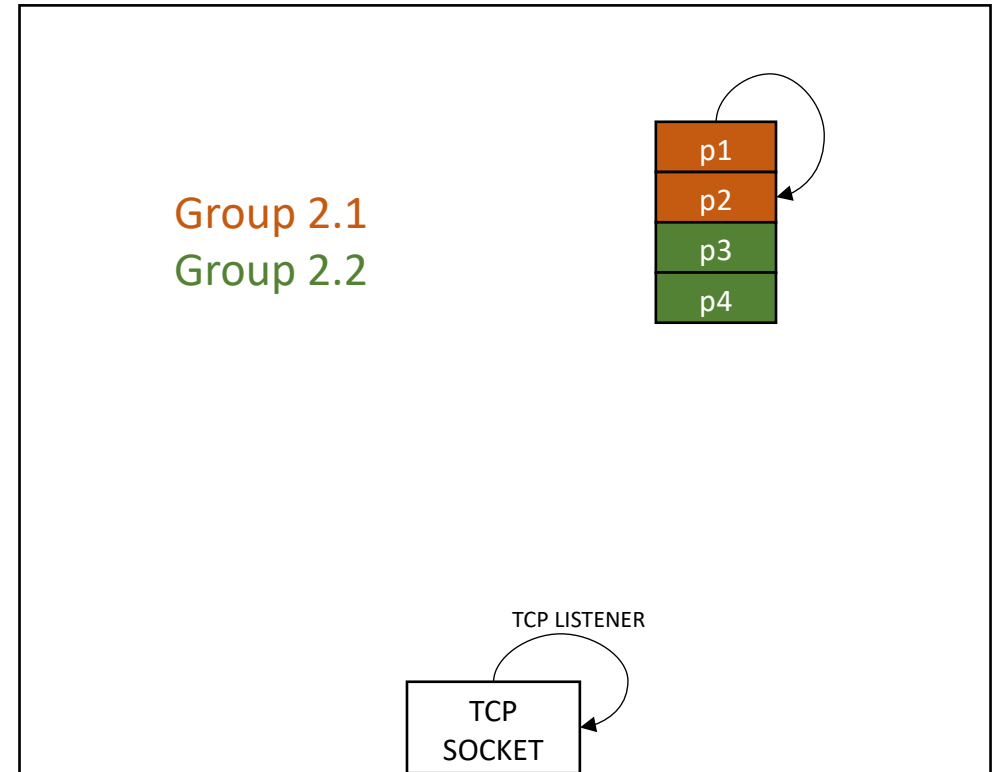
Environment API

Migrate p1

Environment 1

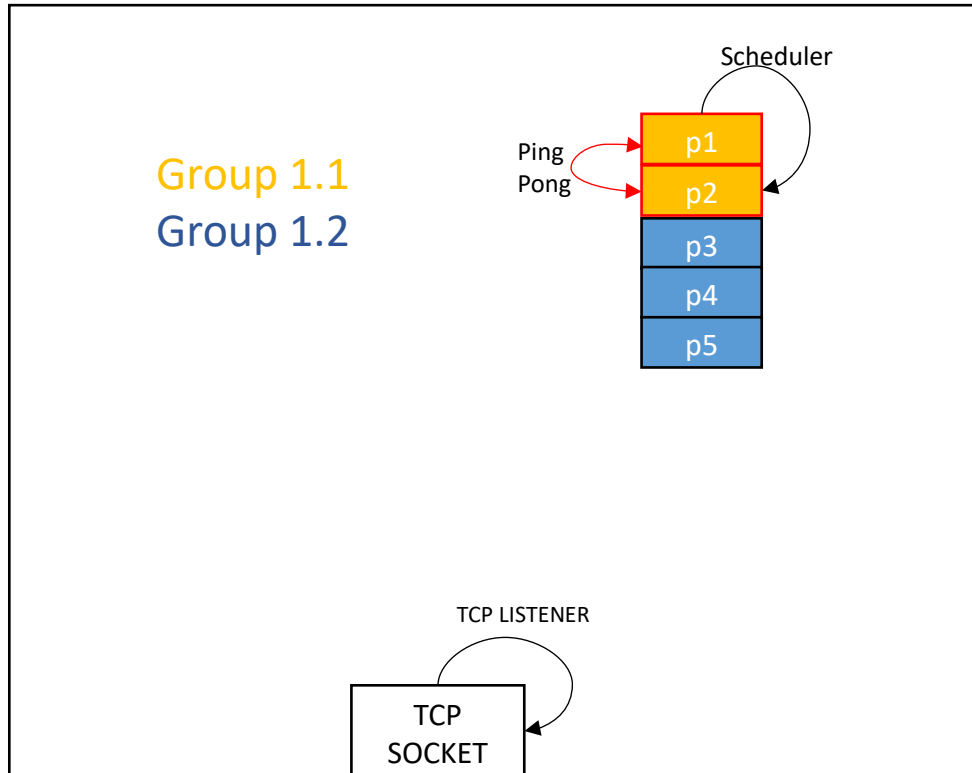


Environment 2

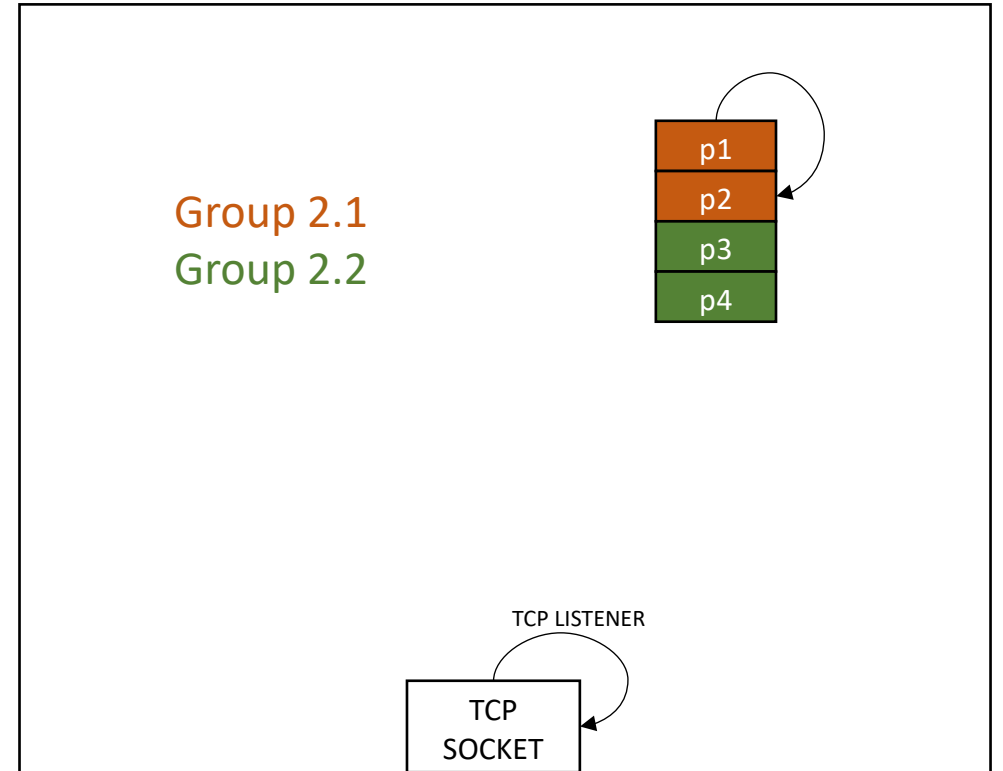


Environment API

Environment 1

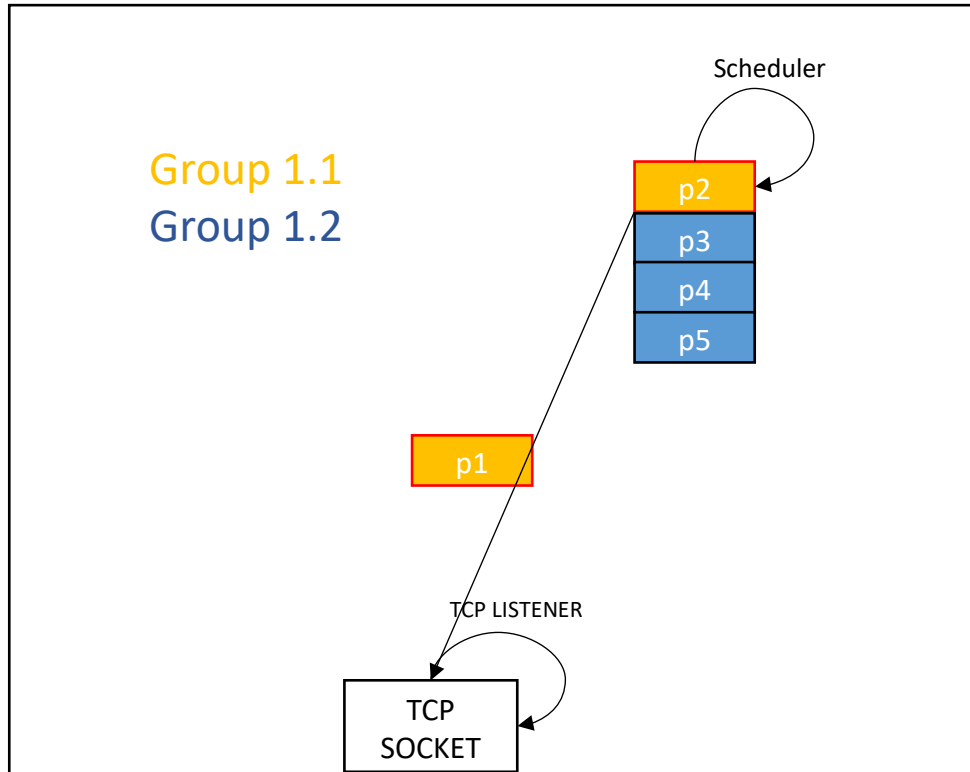


Environment 2

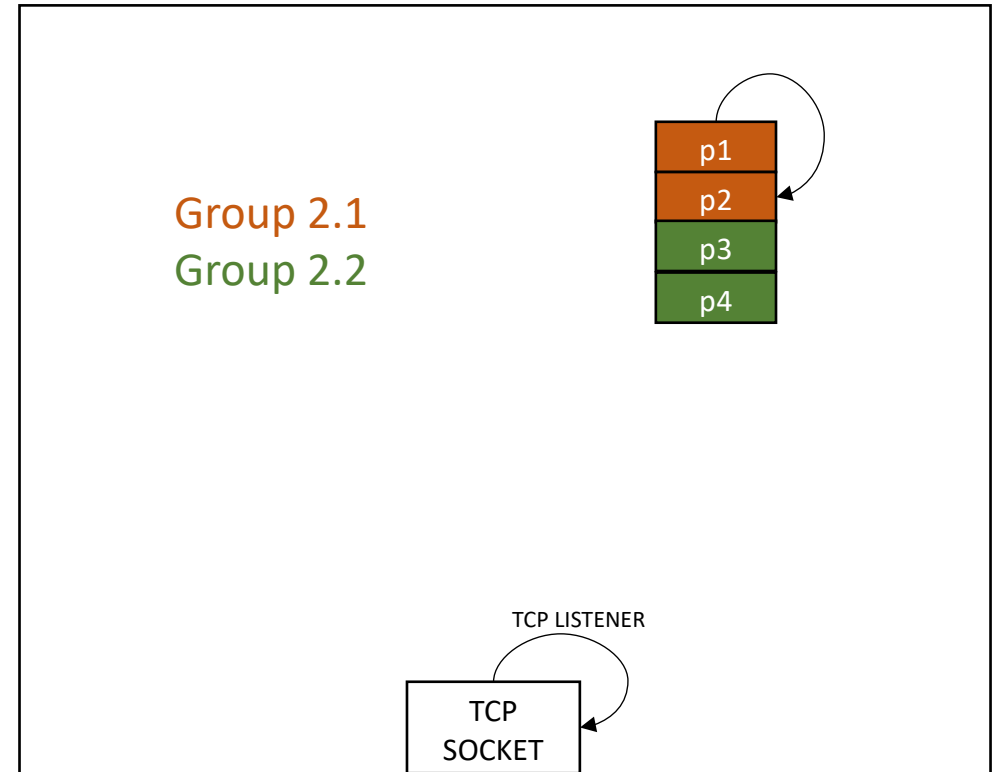


Environment API

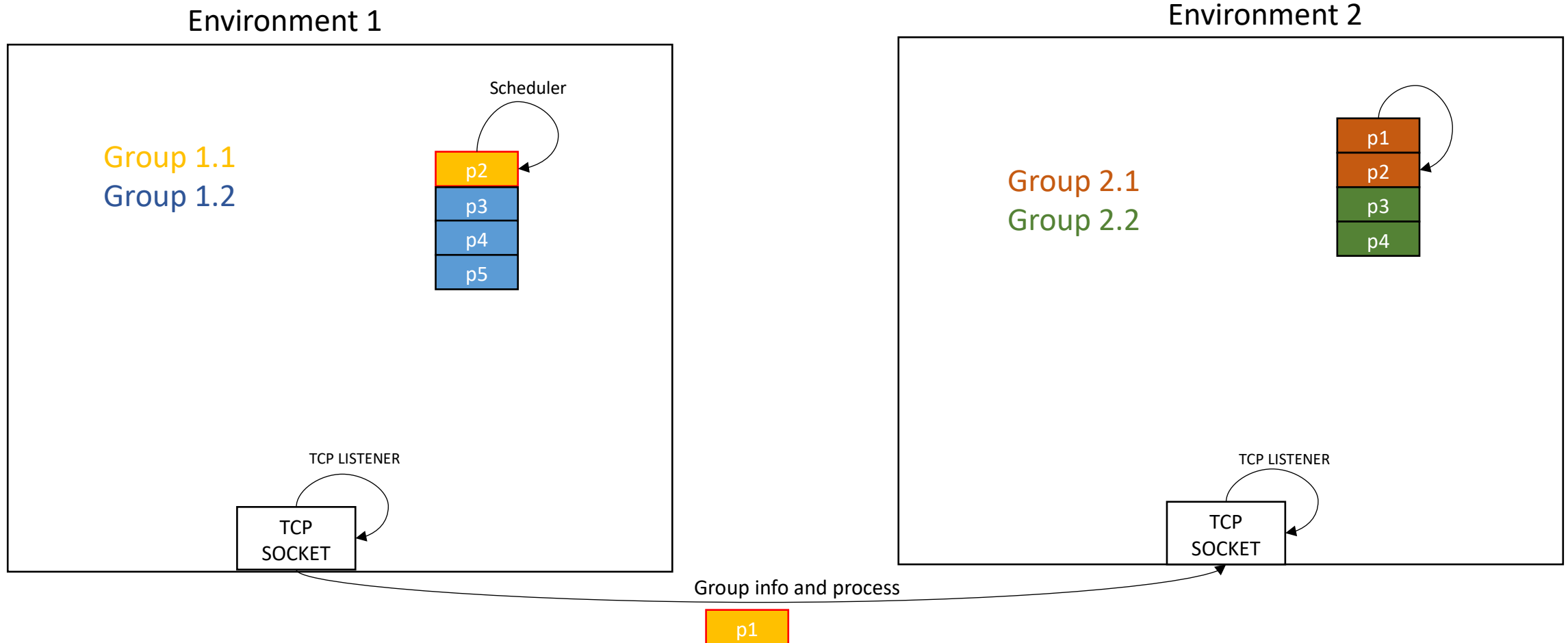
Environment 1



Environment 2

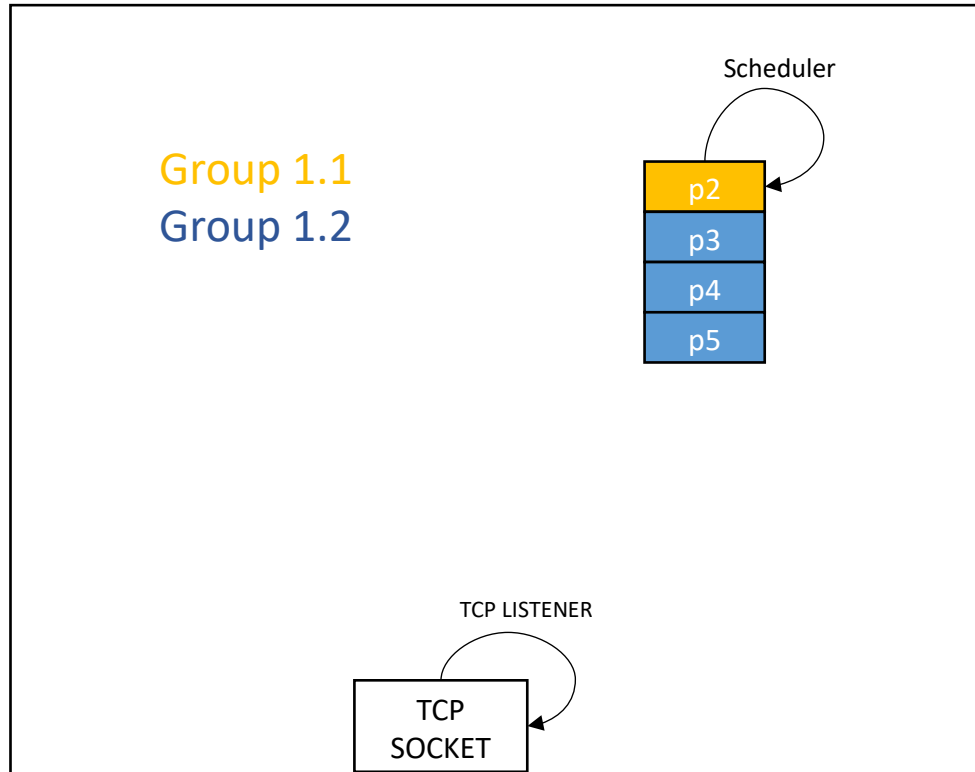


Environment API

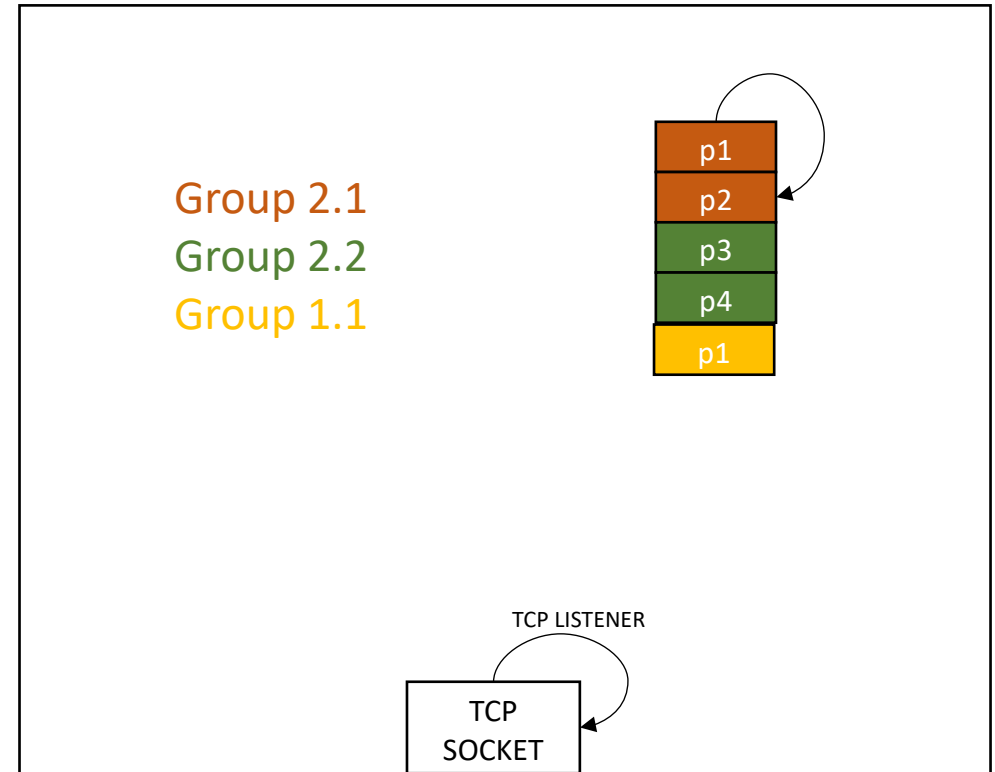


Environment API

Environment 1

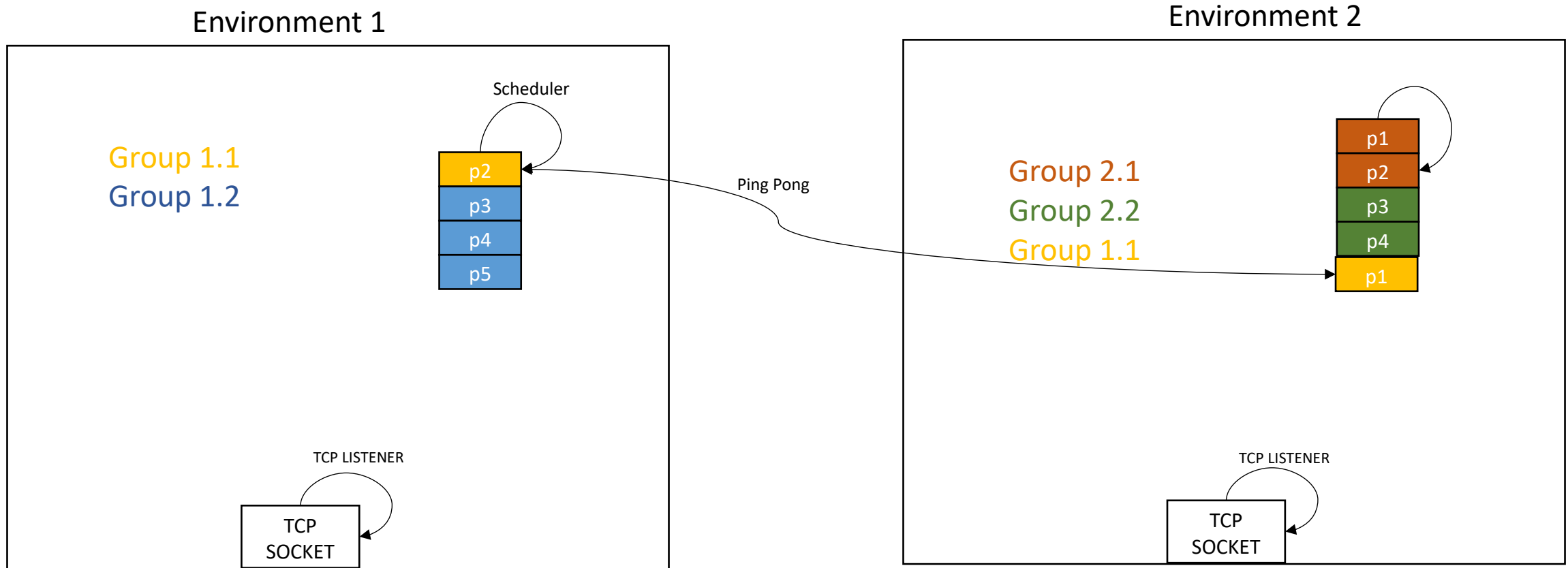


Environment 2



ACK: PROCESS NEW ADDRESS

Environment API



PROCESS API

GROUP

Group Addresses

P1	P2
8080	8081

Process 1

Process id: 1

Ip: 0

instructions[Ip]

Received messages: []

Flag: RUN

UDP LISTENER

UDP
SOCKET
8080

Process 2

Process id: 2

Ip: 0

instructions[Ip]

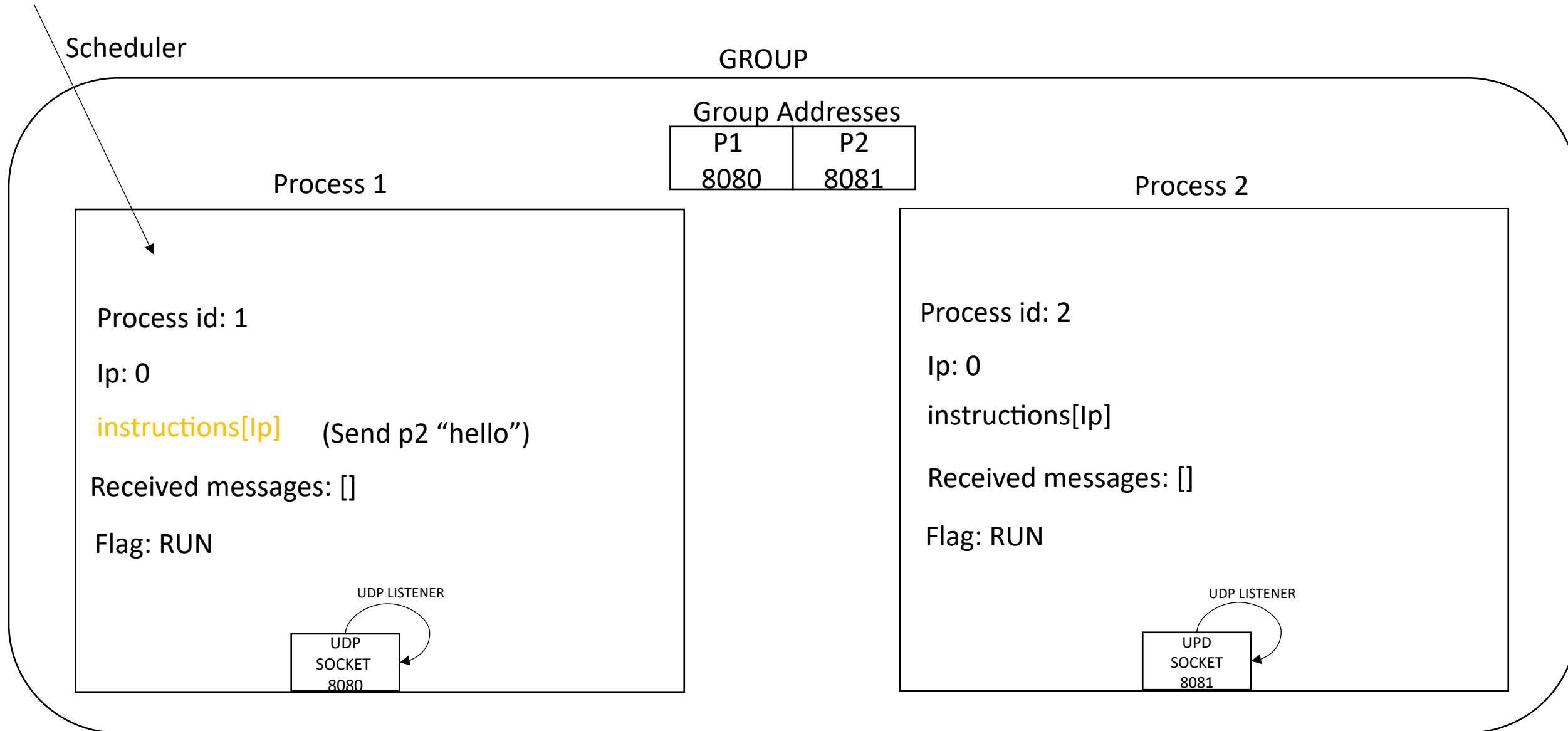
Received messages: []

Flag: RUN

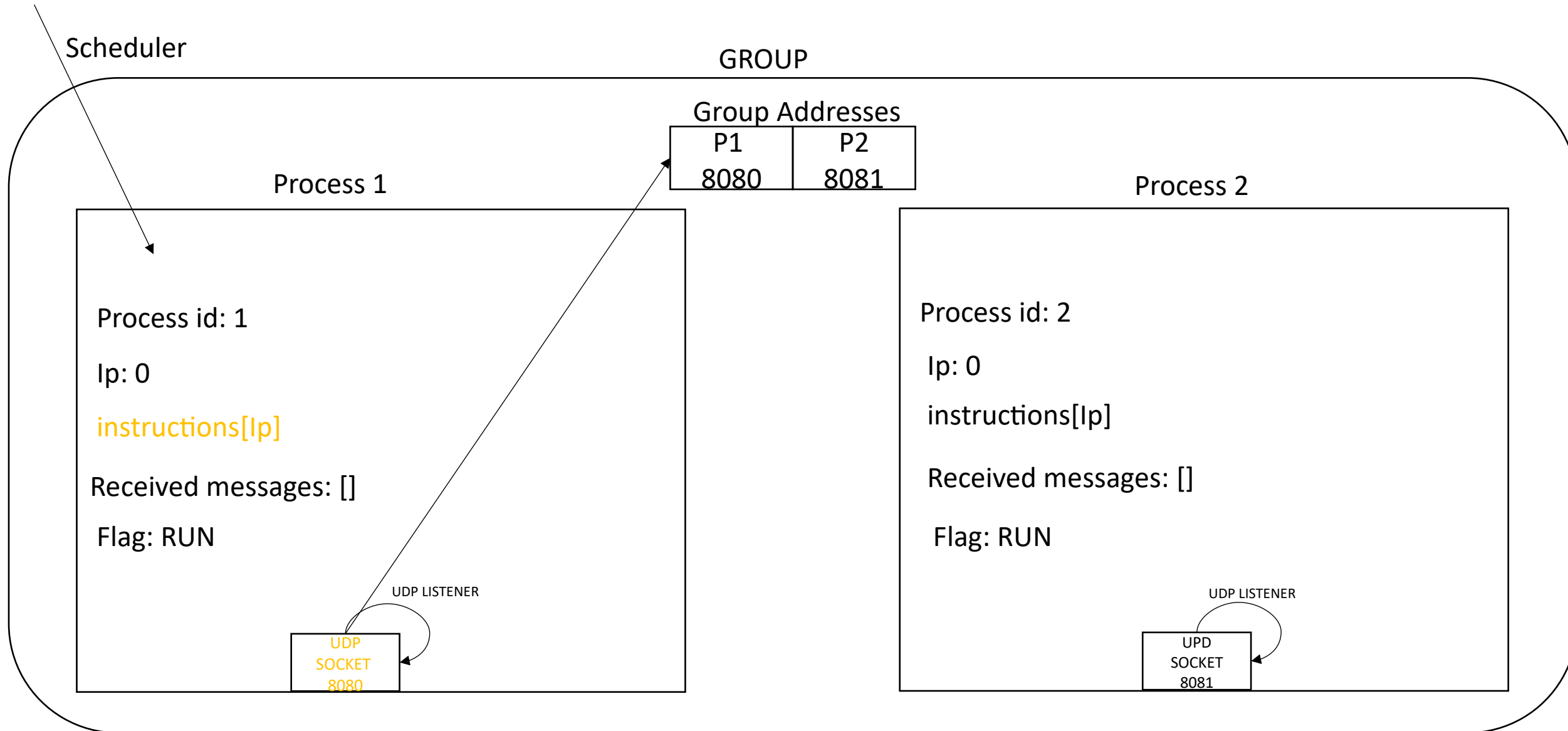
UDP LISTENER

UPD
SOCKET
8081

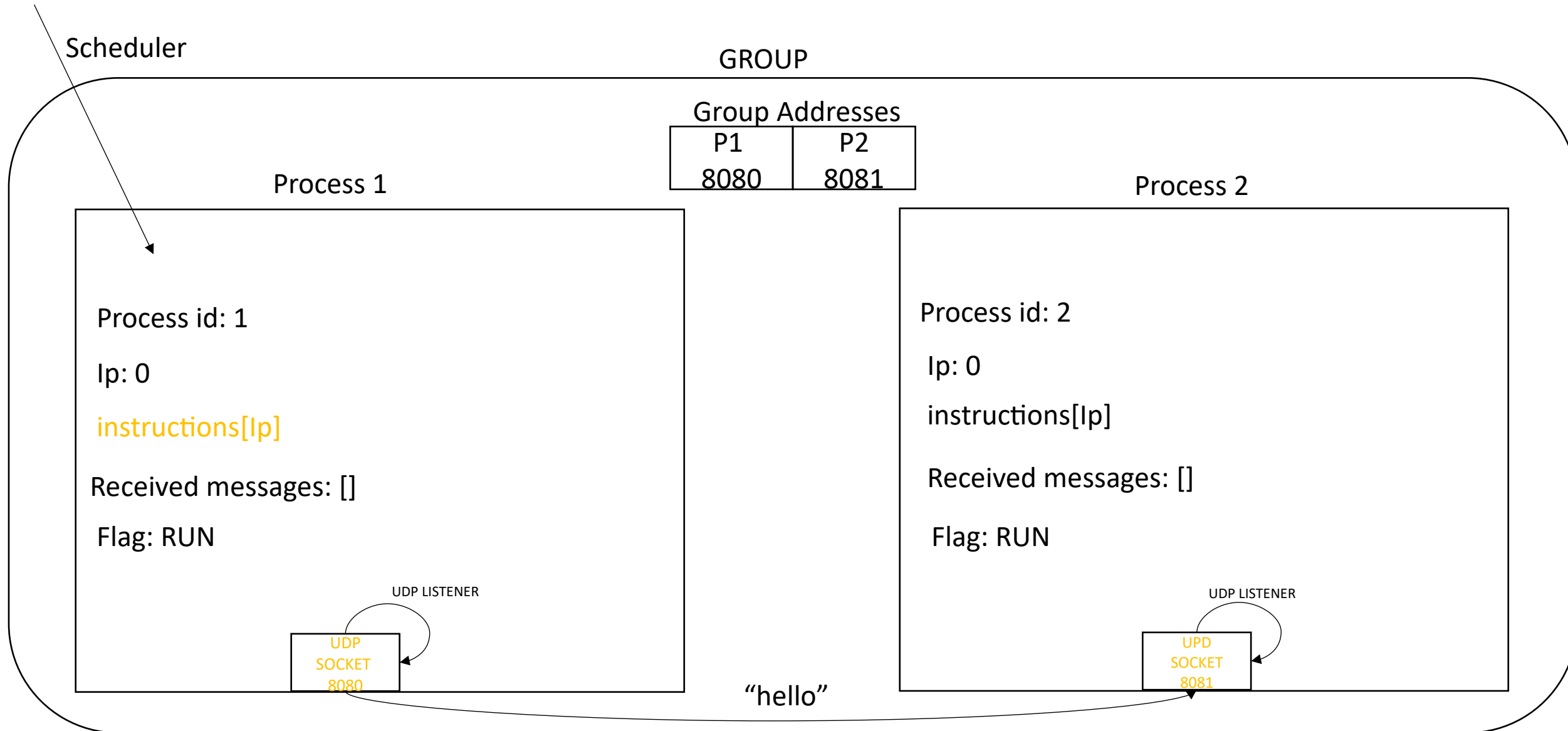
PROCESS API



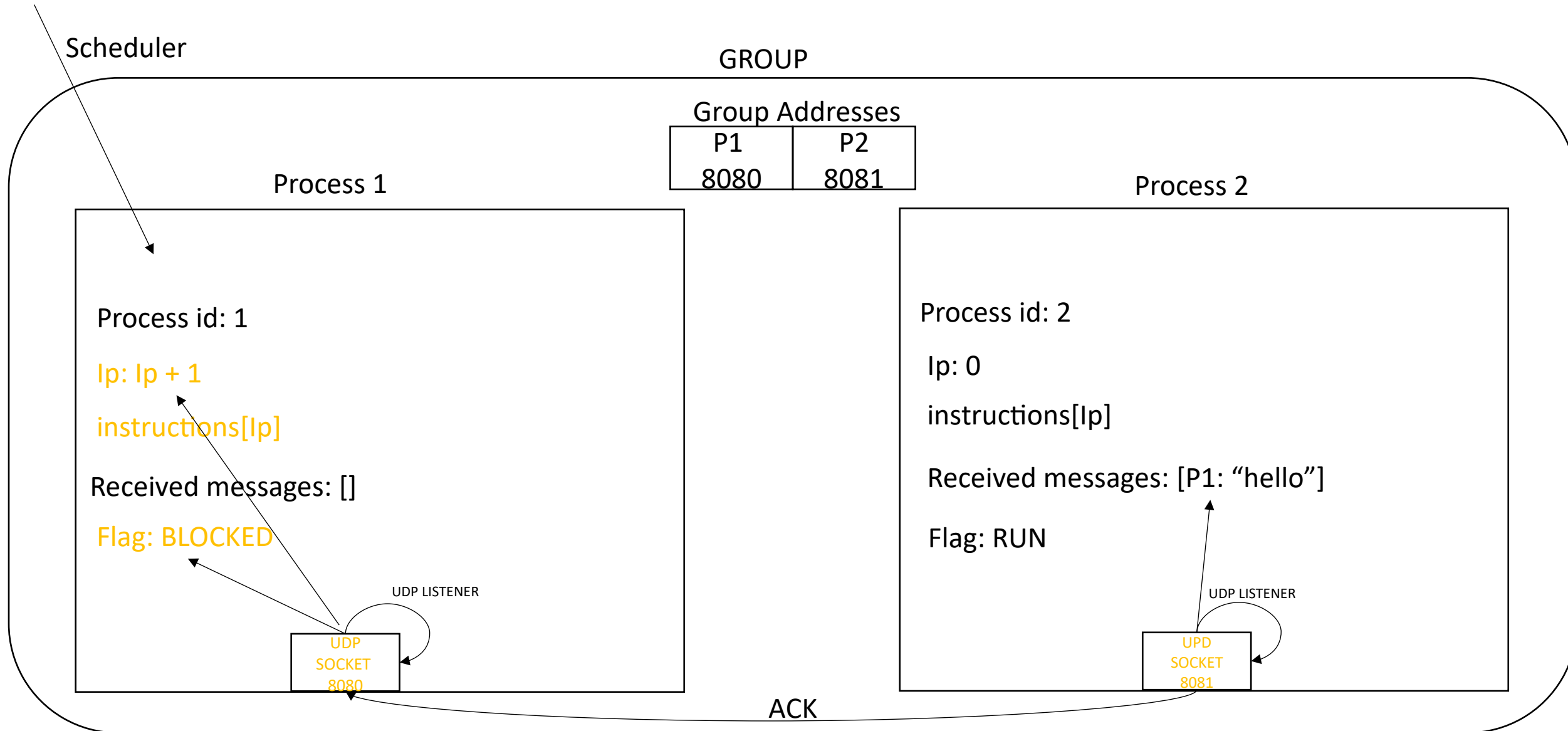
PROCESS API



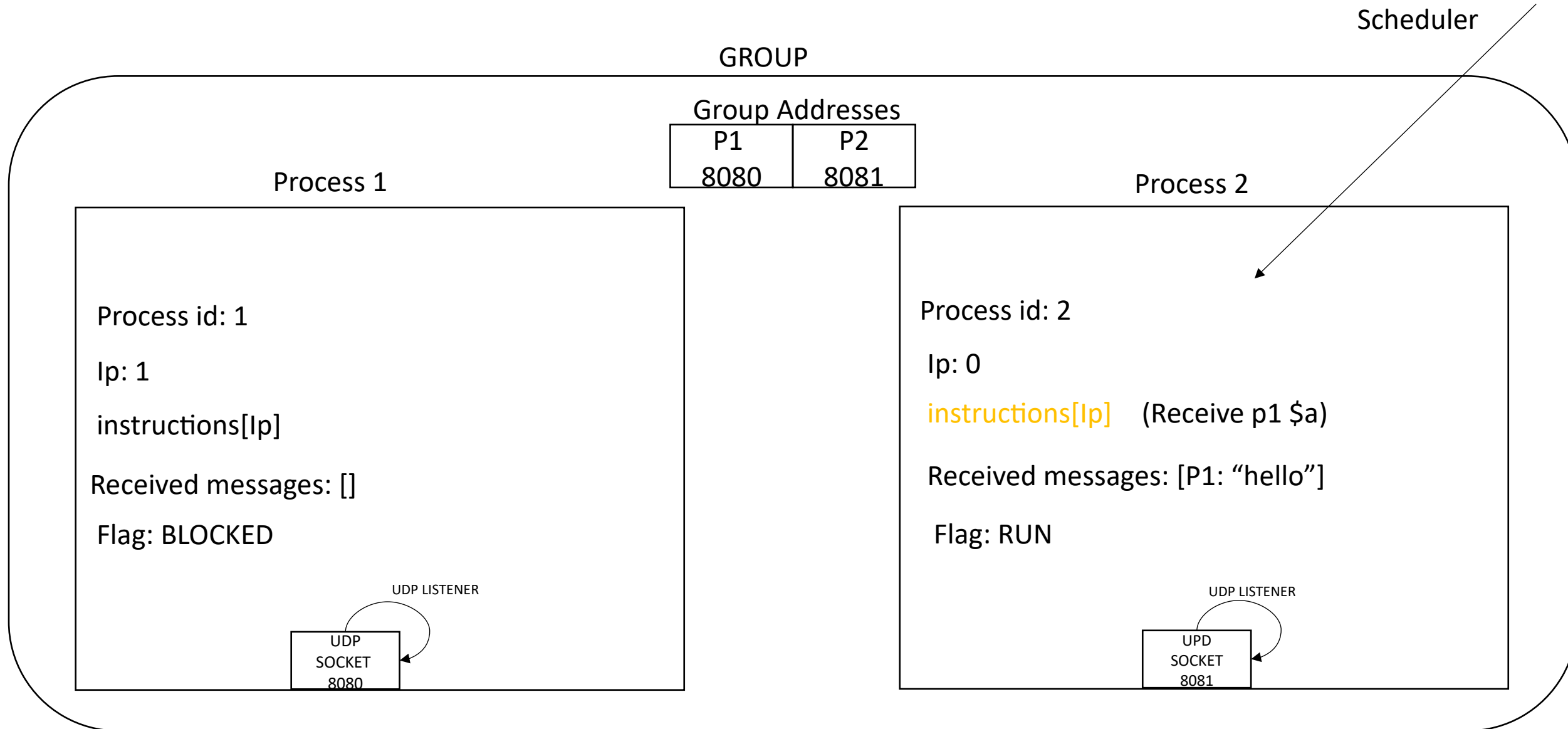
PROCESS API



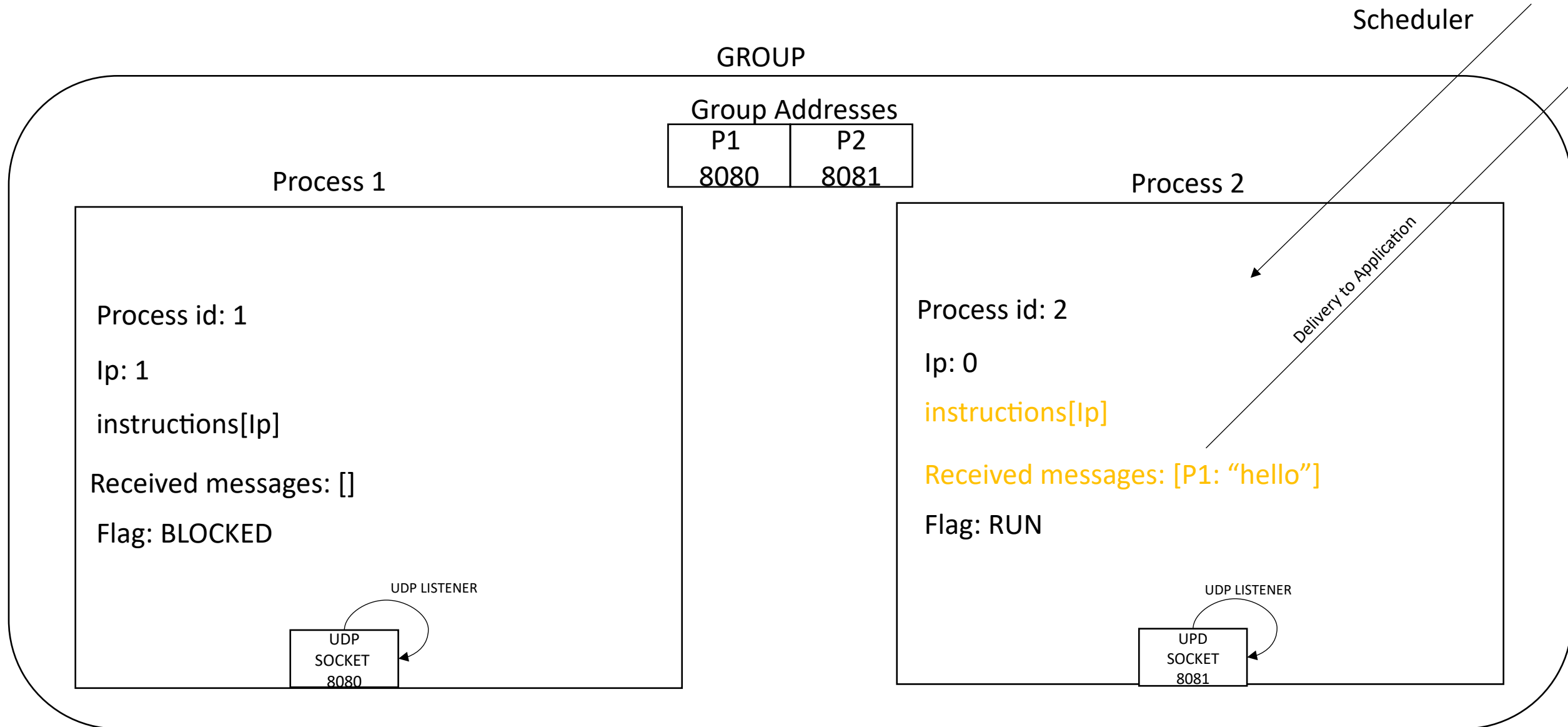
PROCESS API



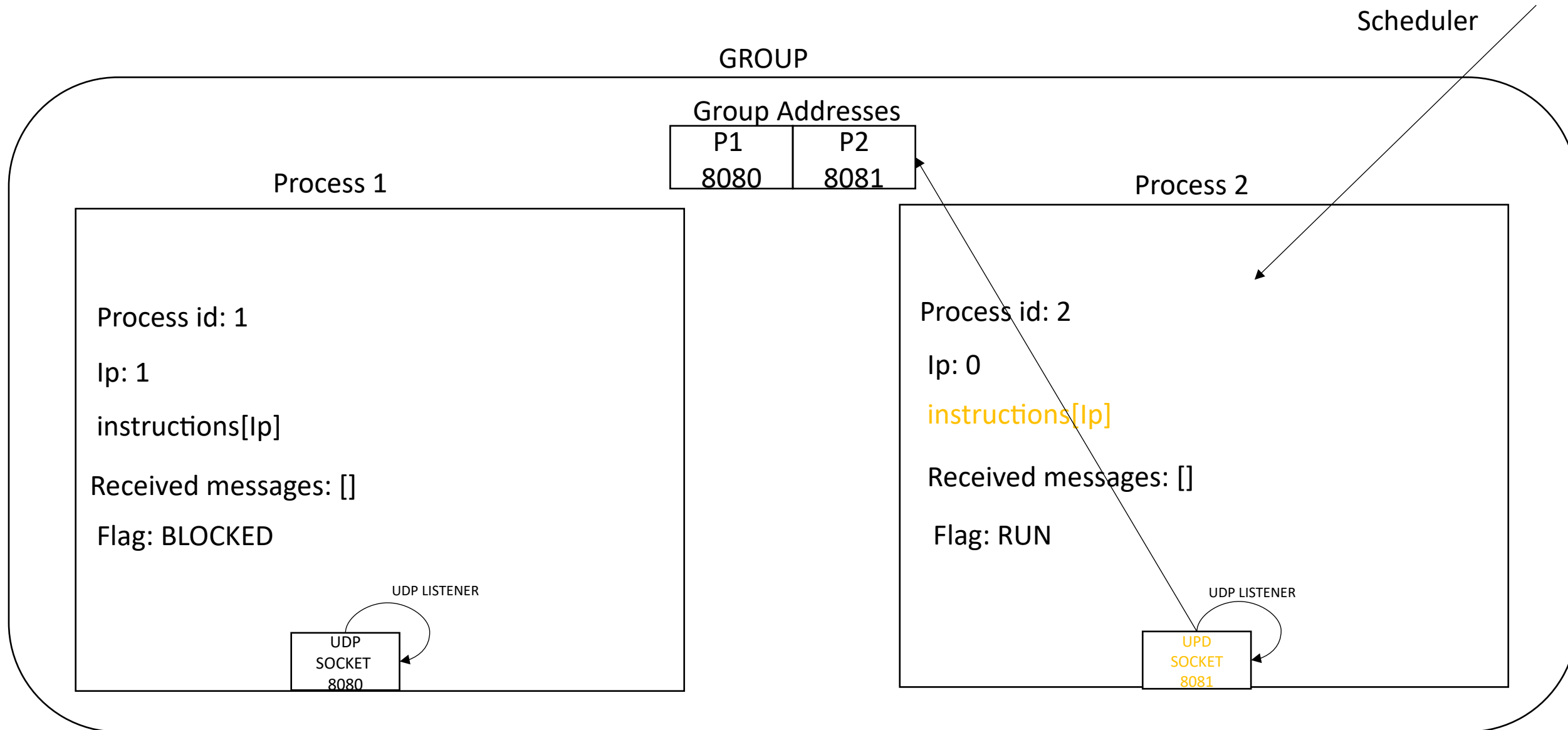
PROCESS API



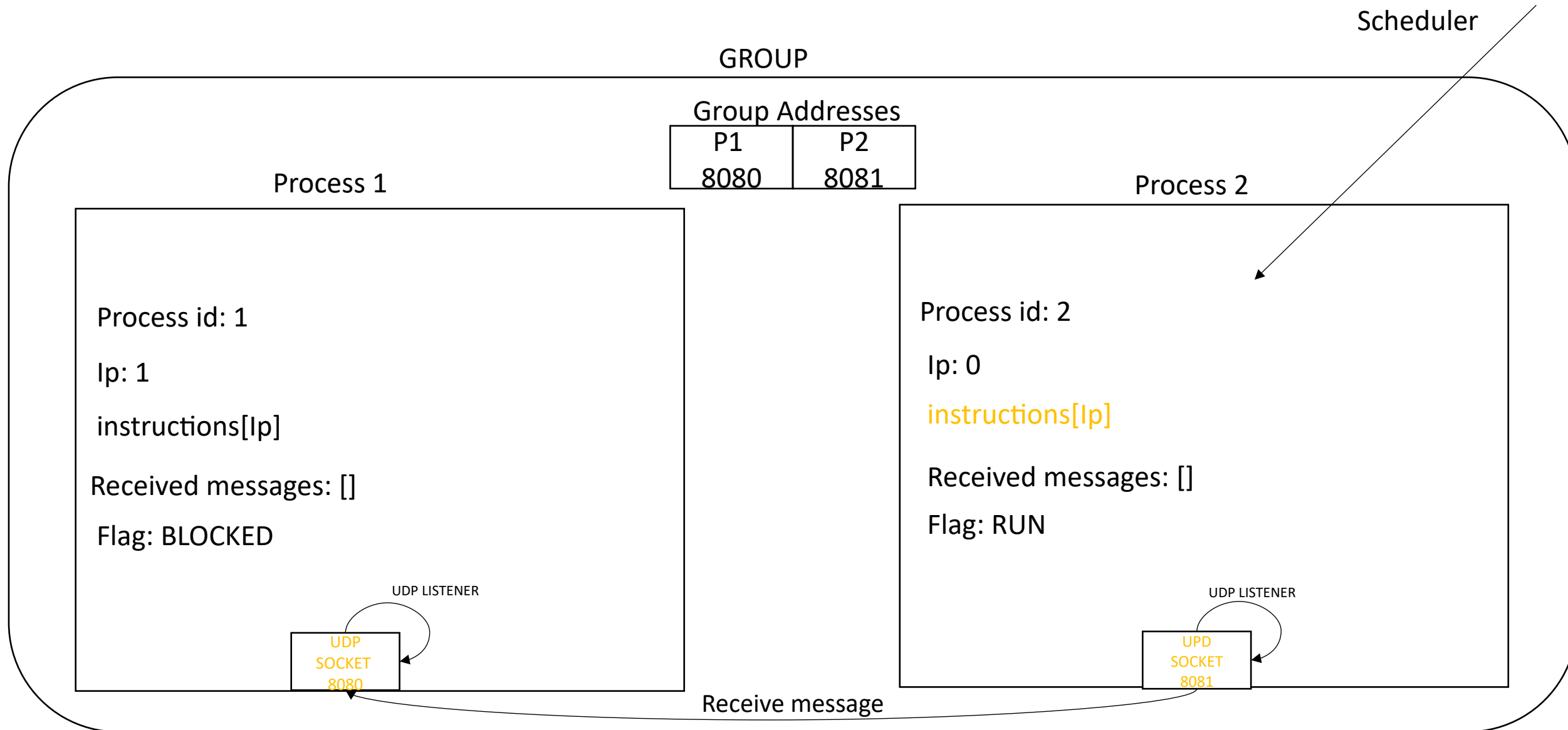
PROCESS API



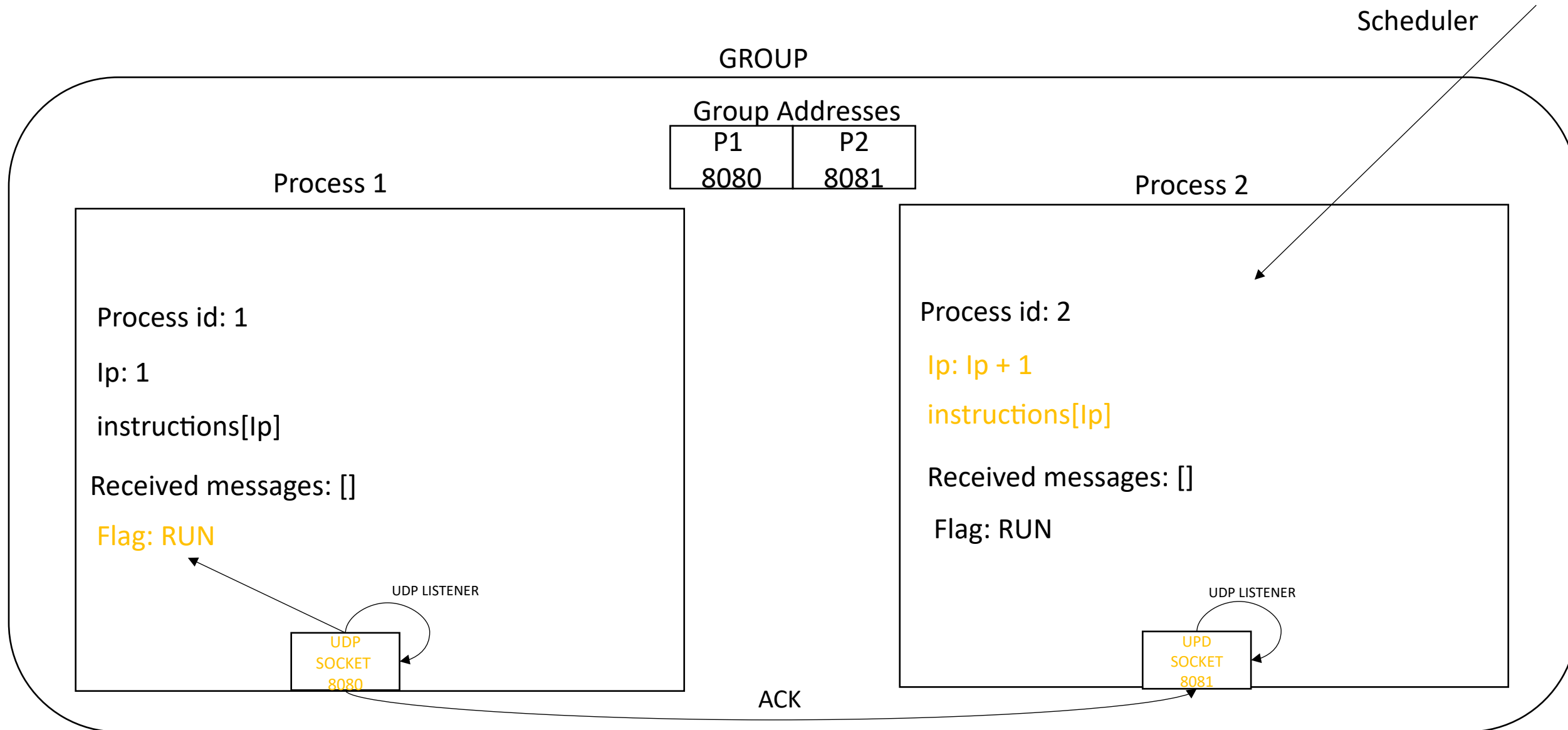
PROCESS API



PROCESS API



PROCESS API



SERIALIZE DATA

