Distributed Systems

Stoltidhs Alexandros 2824 Koutsoukis Nikolaos 2907

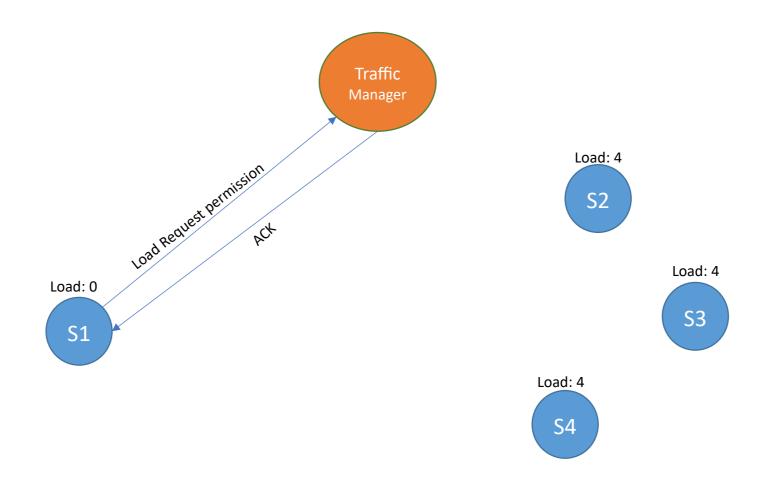


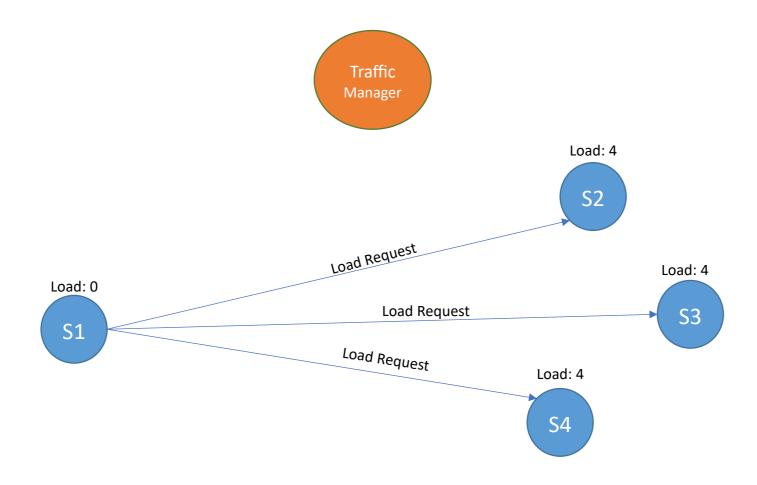
DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

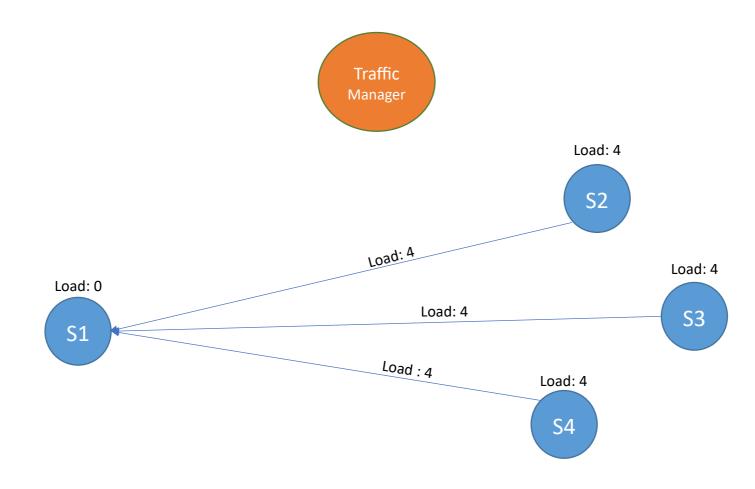
Files of the API

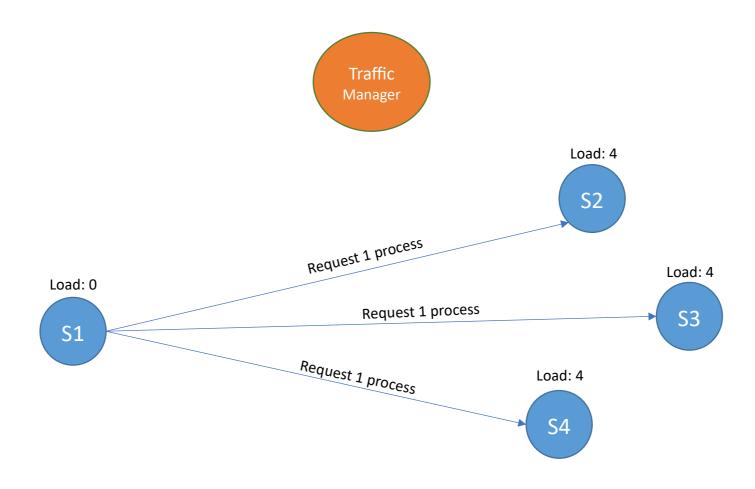
= Environment		
Sceduler: thr	ead	
tcp_listener: th	hear	
tcp_listerier. ti	lleau	
	Groups	
group_id: s	str	
group_addr		
migration_m	nutex: mutex	
	Processes	
process_i	d; str	
	et: socket	
instraction	ns: list	
recerved_	messages: list	
ip: int		
variables:	list	
labels: lis	t	
argc: int		
argv: list		
flags: boo	1	

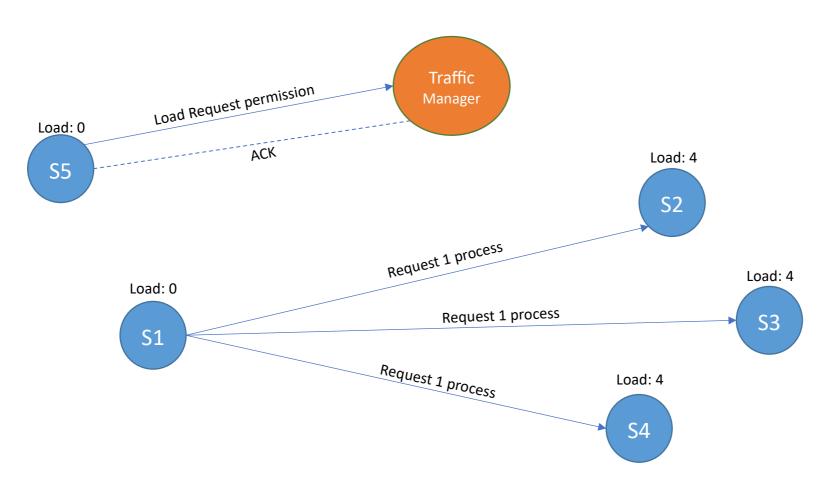
SCENARIO 1 (JOIN)

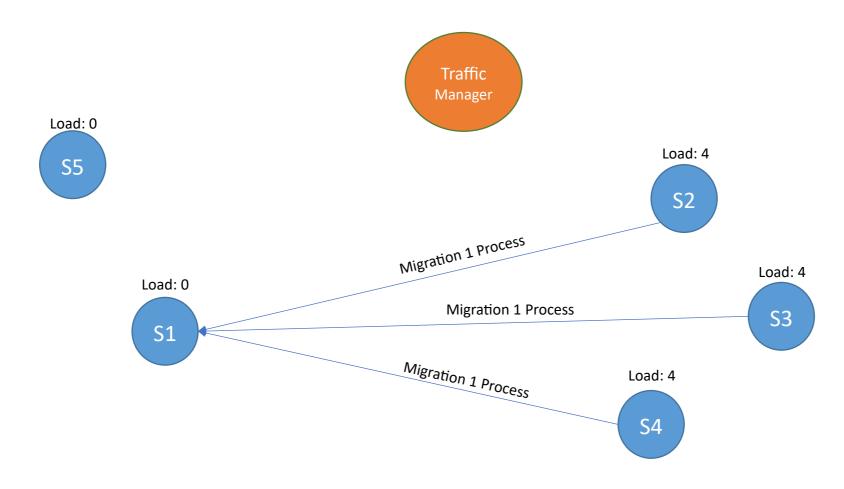


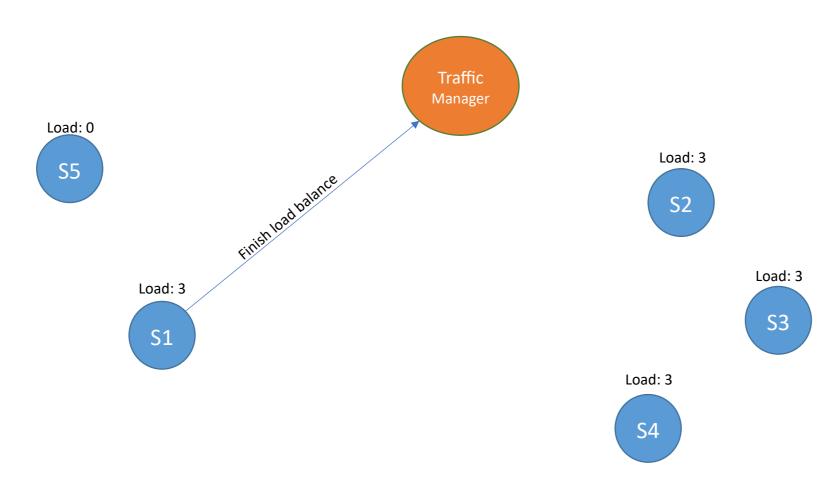


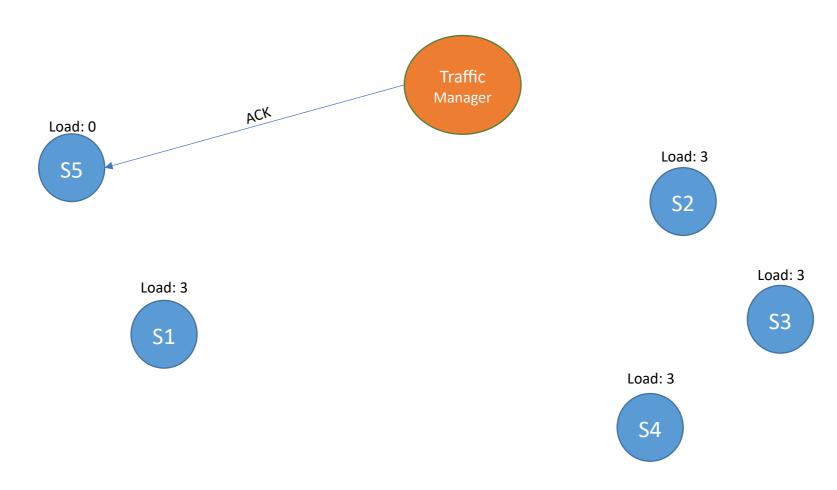




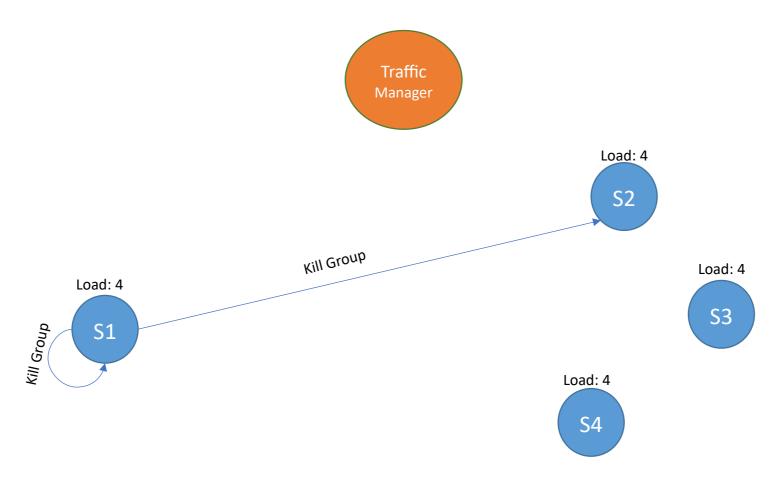


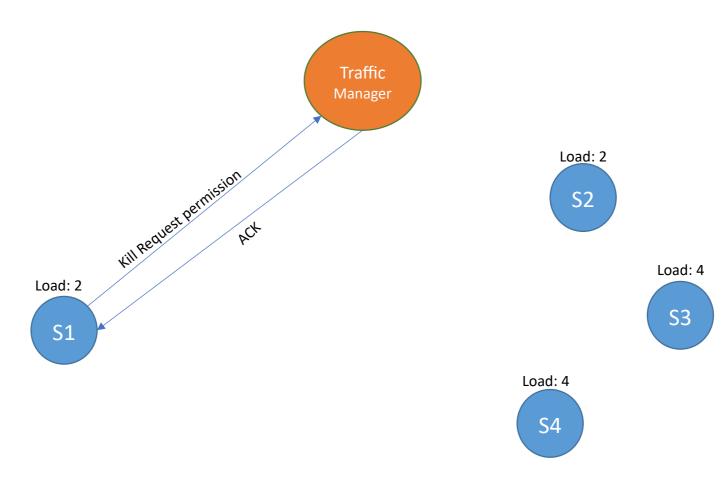


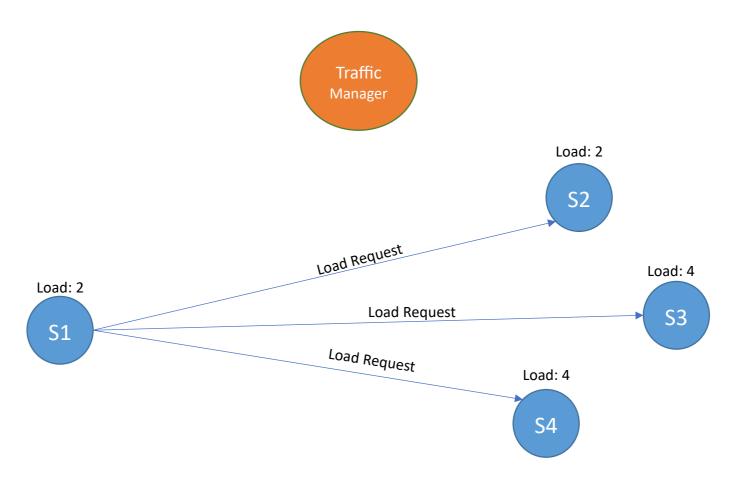


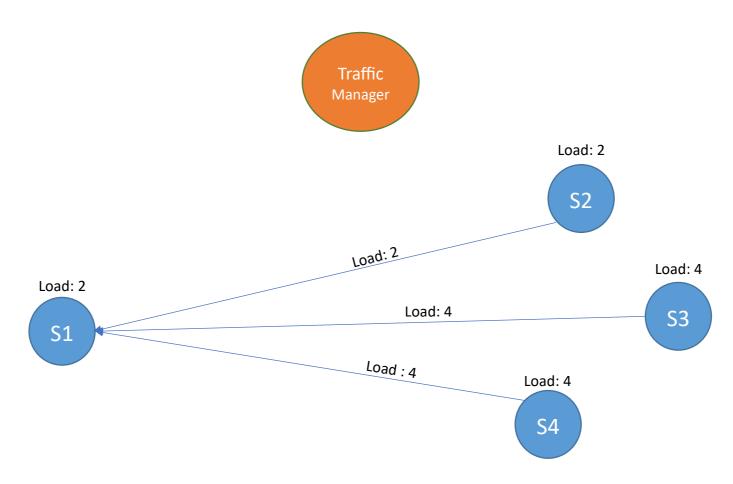


SCENARIO 2 (KILL GROUP)

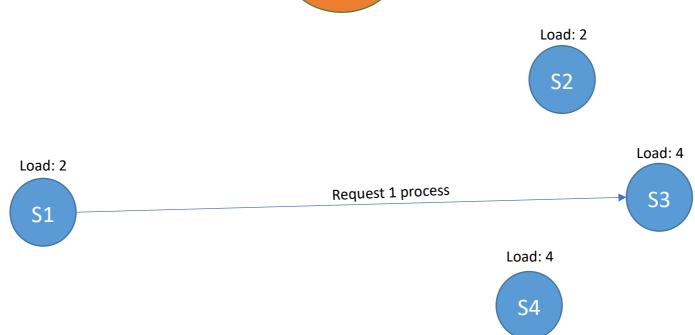


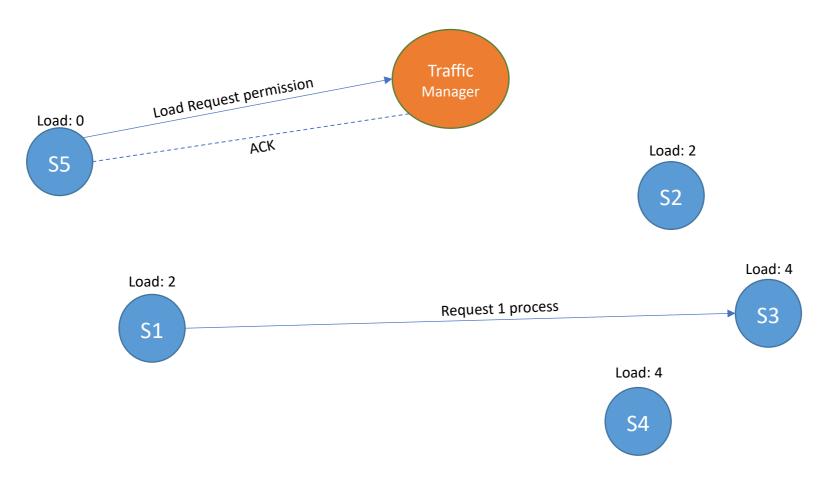


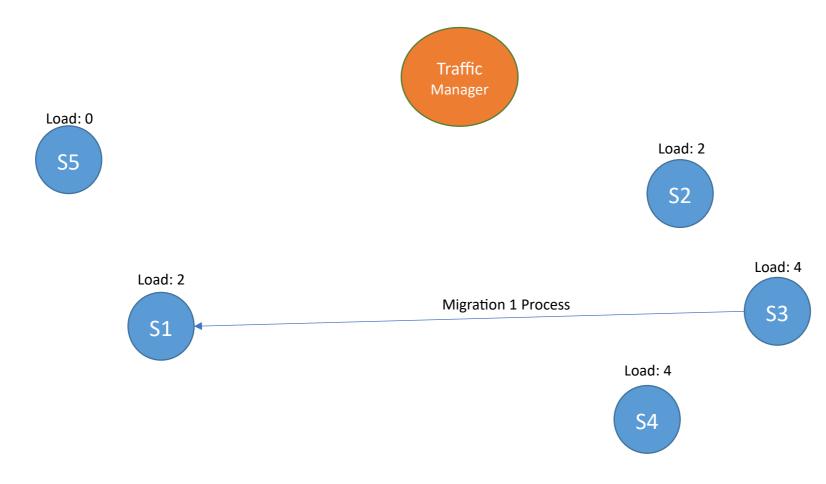


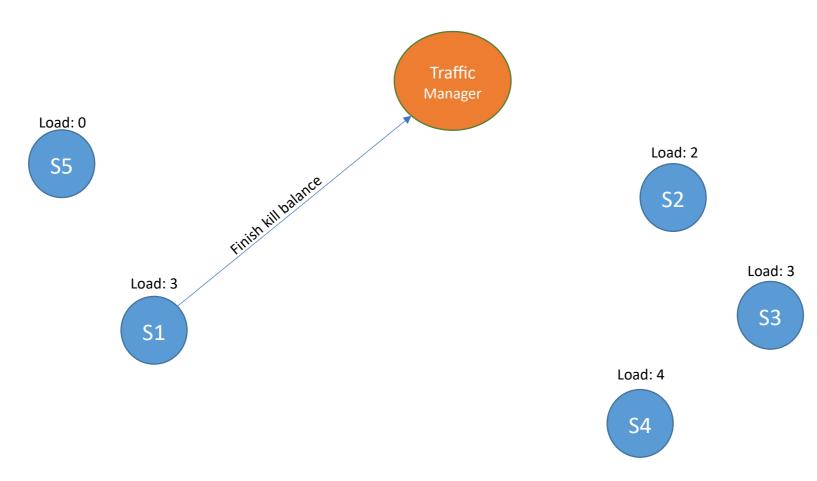


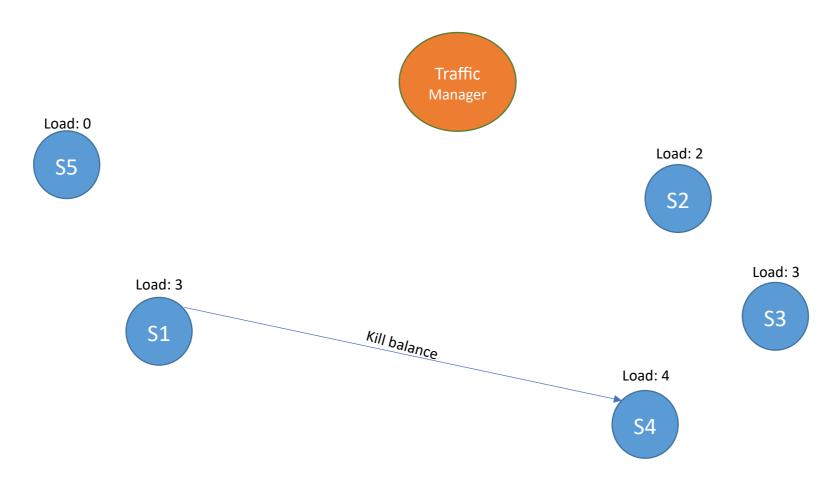






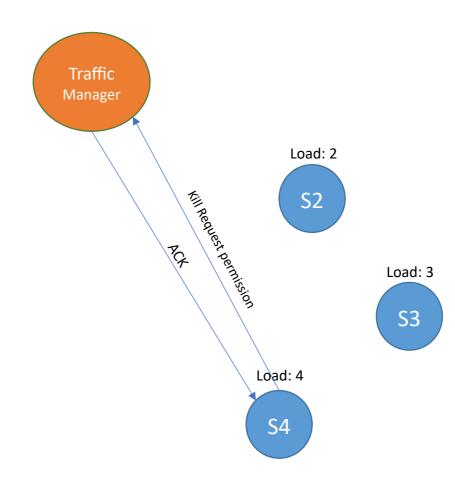


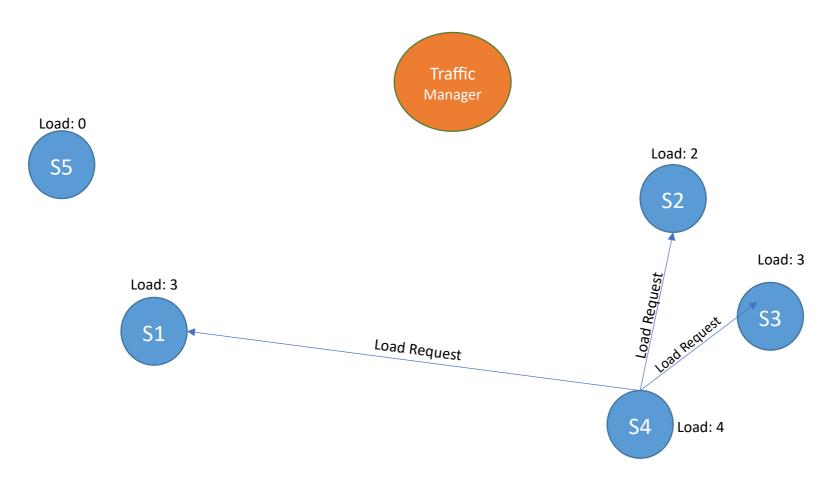


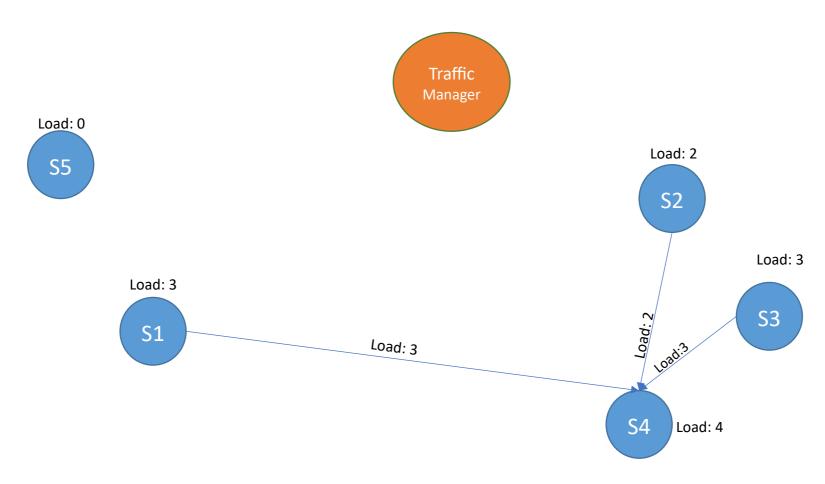


Load: 0 S5

Load: 3



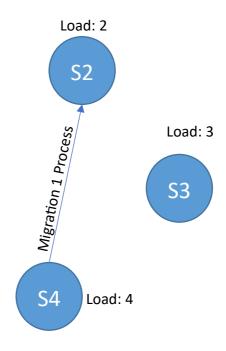


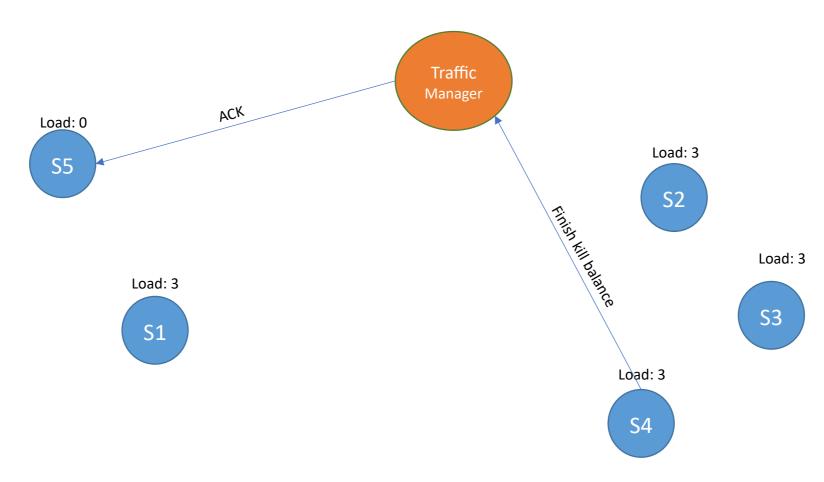


Traffic Manager

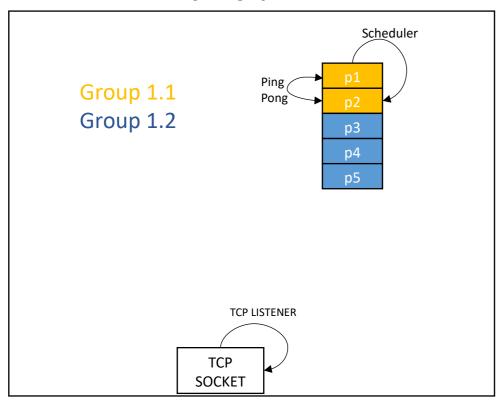
Load: 0 S5

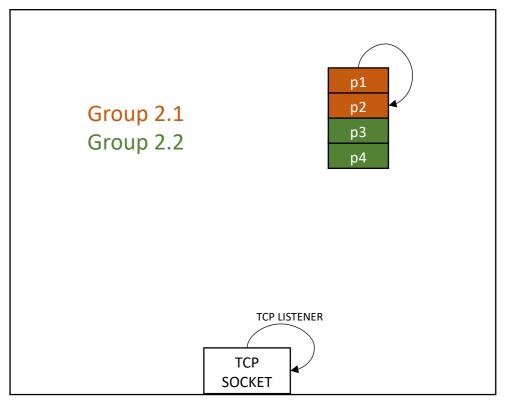
Load: 3





Environment 1

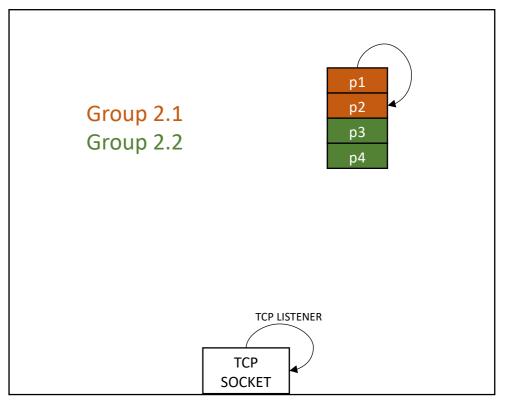




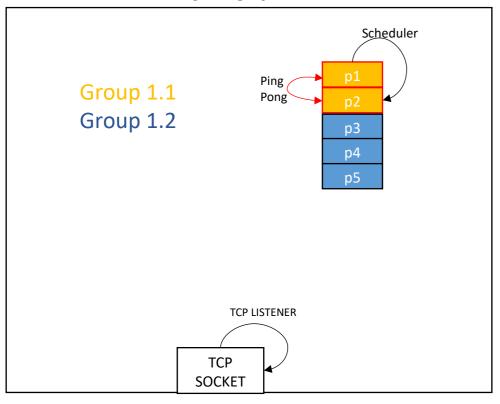
Migrate p1

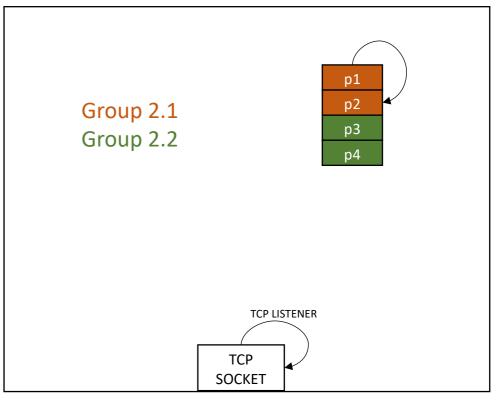
Environment API

Environment 1 Scheduler Group 1.1 Group 1.2 p4 TCP LISTENER TCP SOCKET

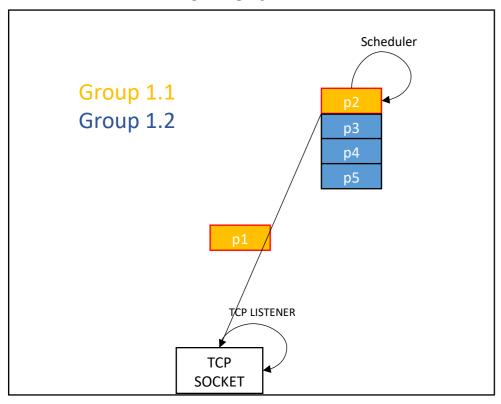


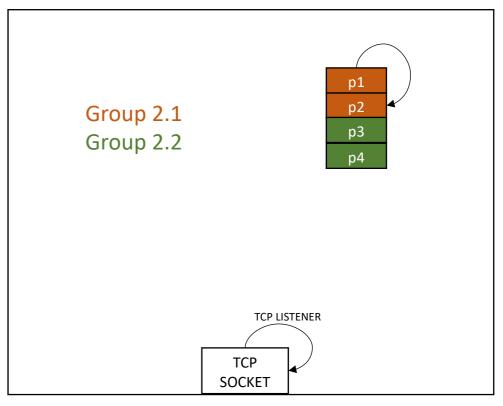
Environment 1



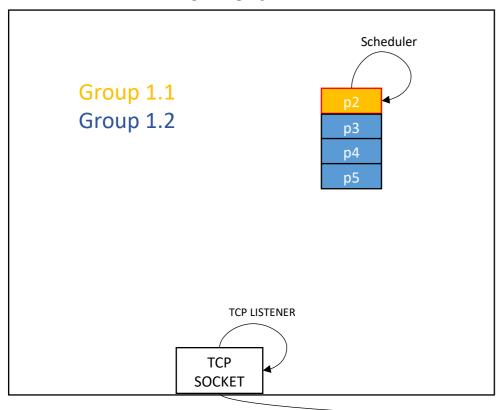


Environment 1

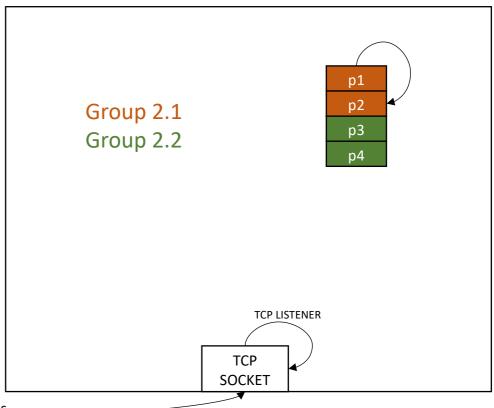




Environment 1

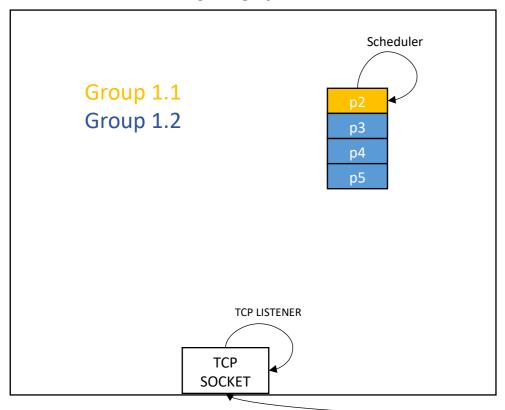


Environment 2

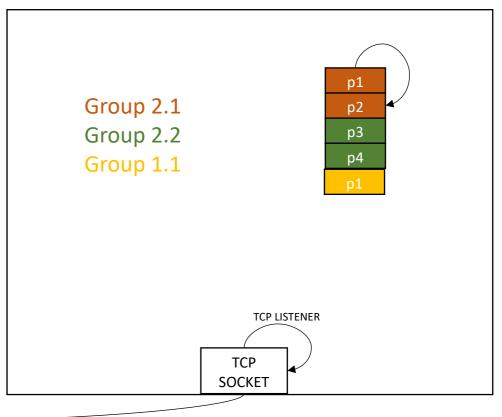


Group info and process

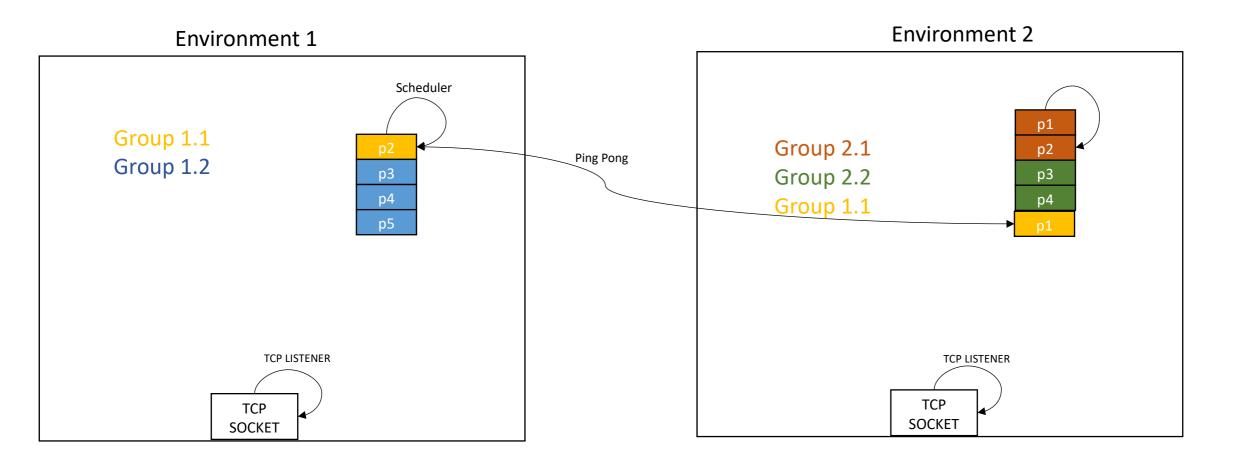
Environment 1



Environment 2



ACK: PROCESS NEW ADDRESS





Group Addresses

P1 P2 8080 8081

Process 2

Process id: 1

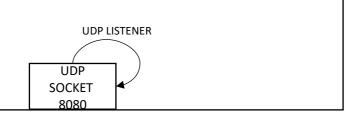
lp: 0

instructions[lp]

Received messages: []

Process 1

Flag: RUN



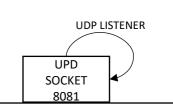
Process id: 2

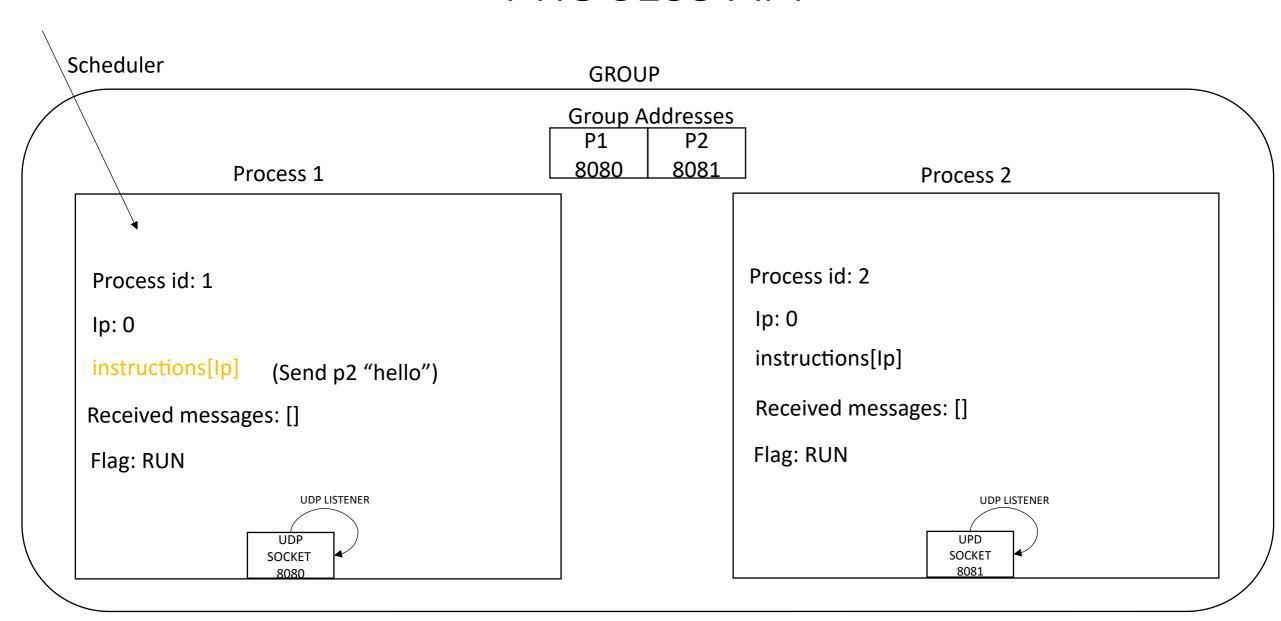
lp: 0

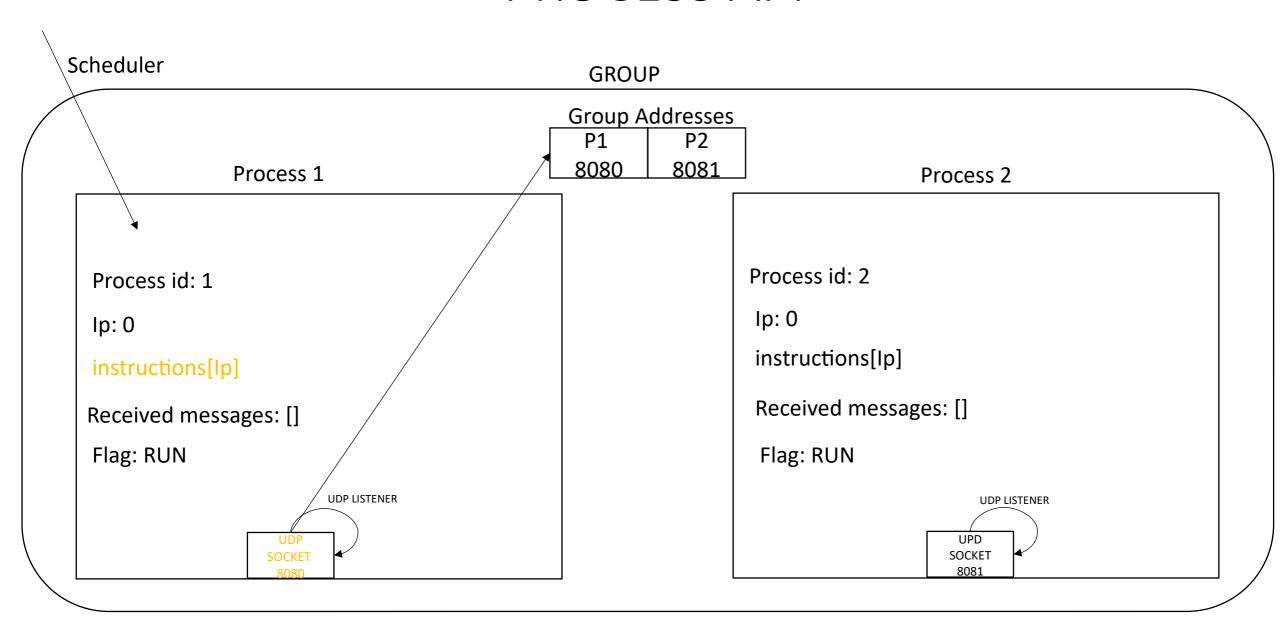
instructions[lp]

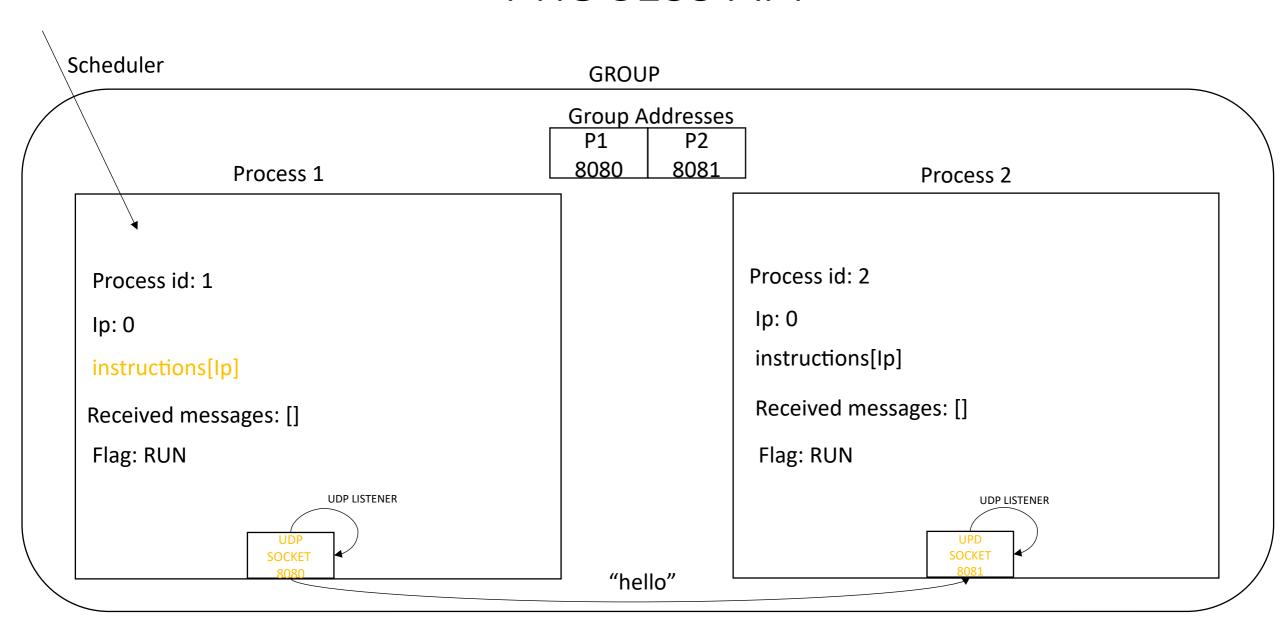
Received messages: []

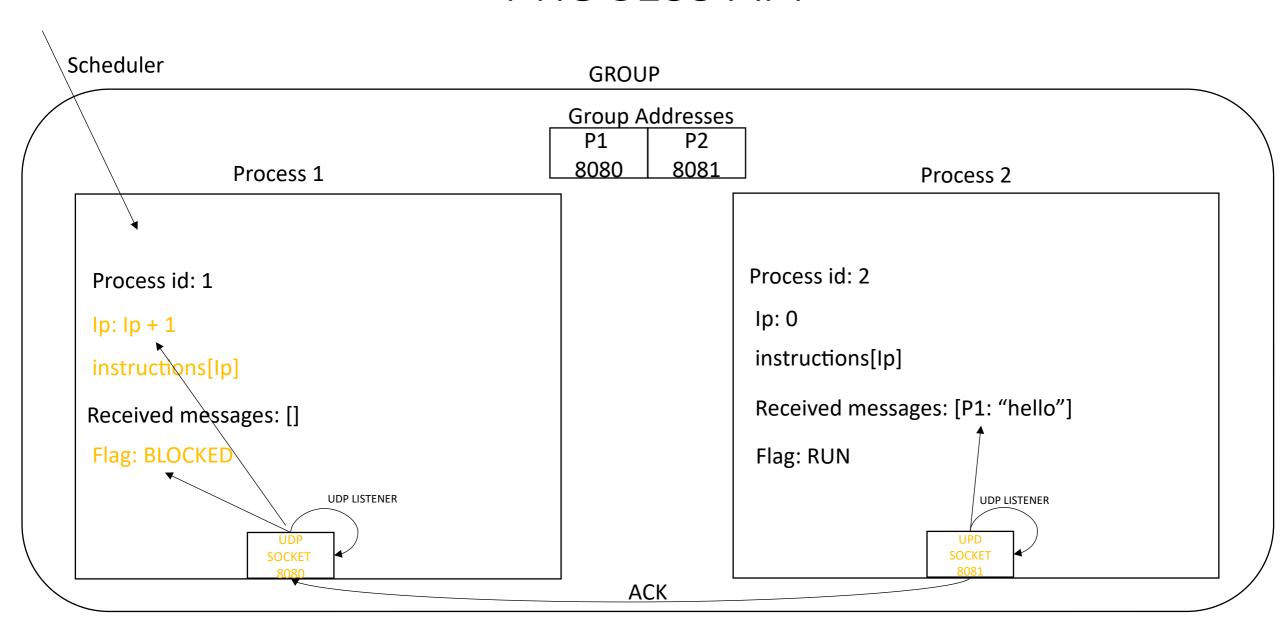
Flag: RUN

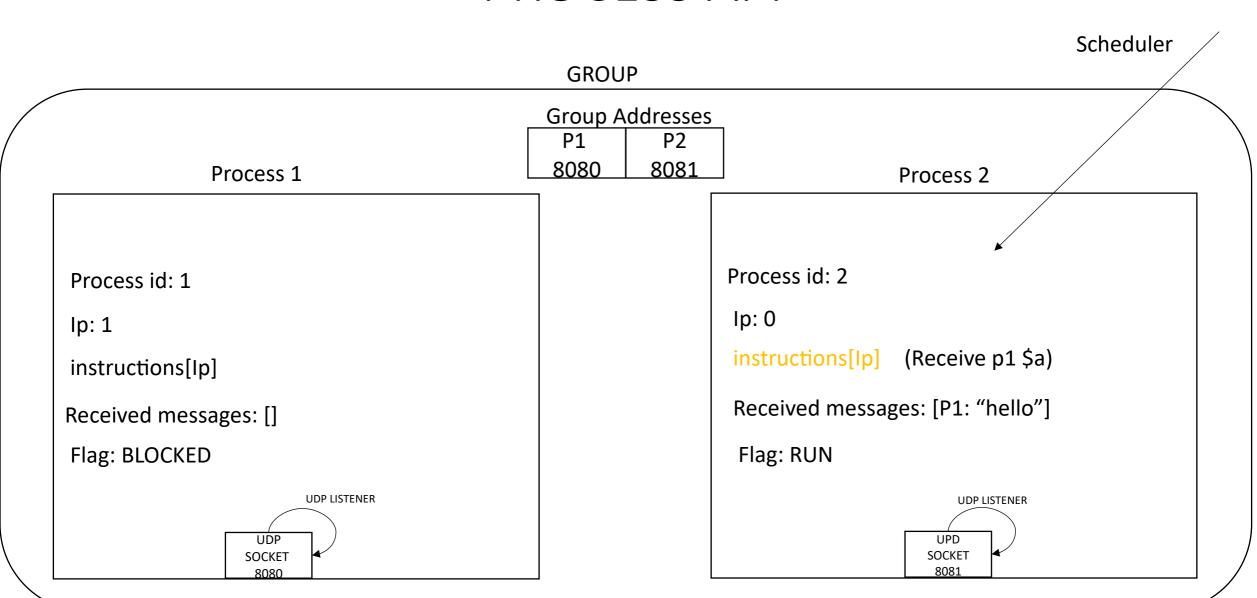


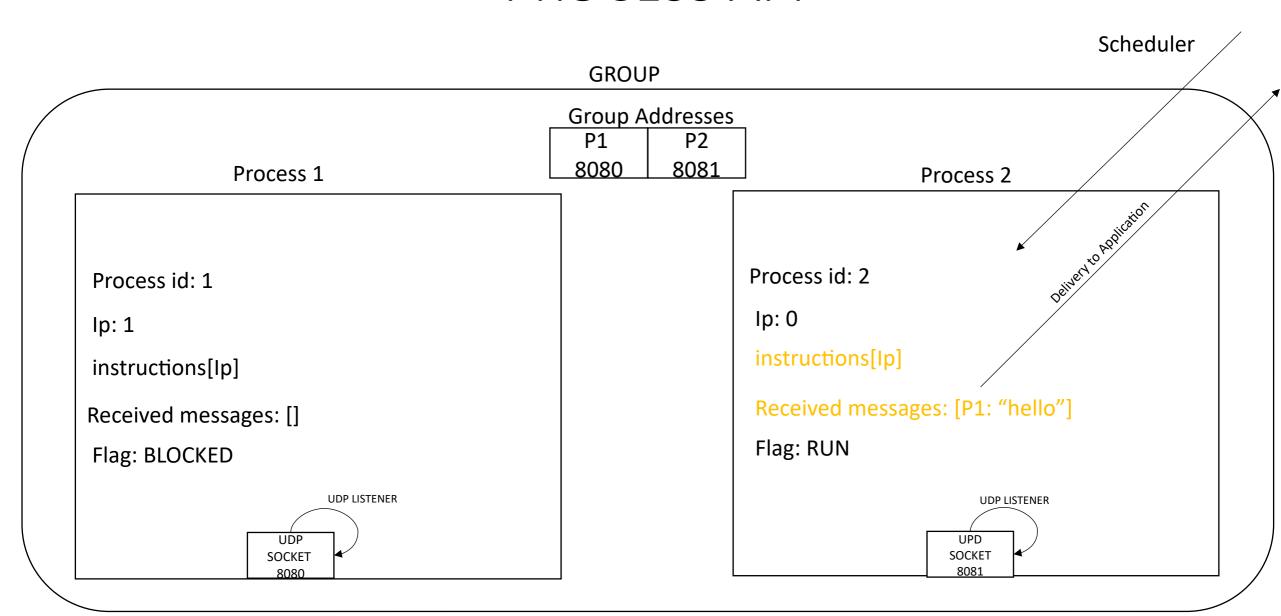


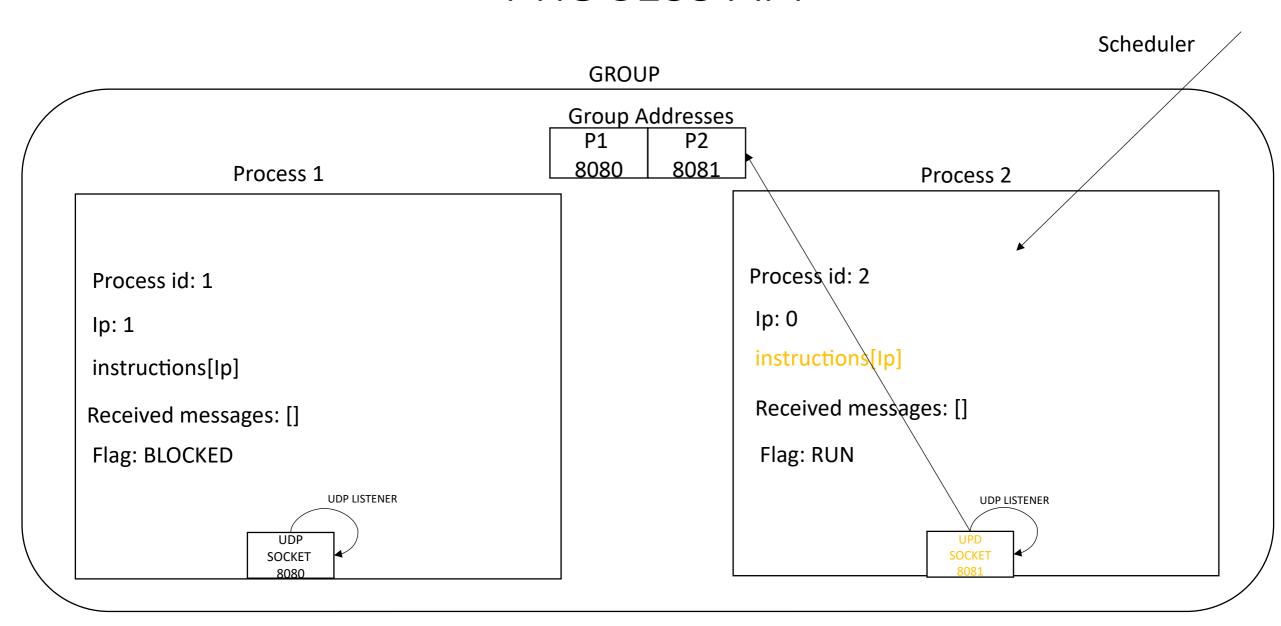


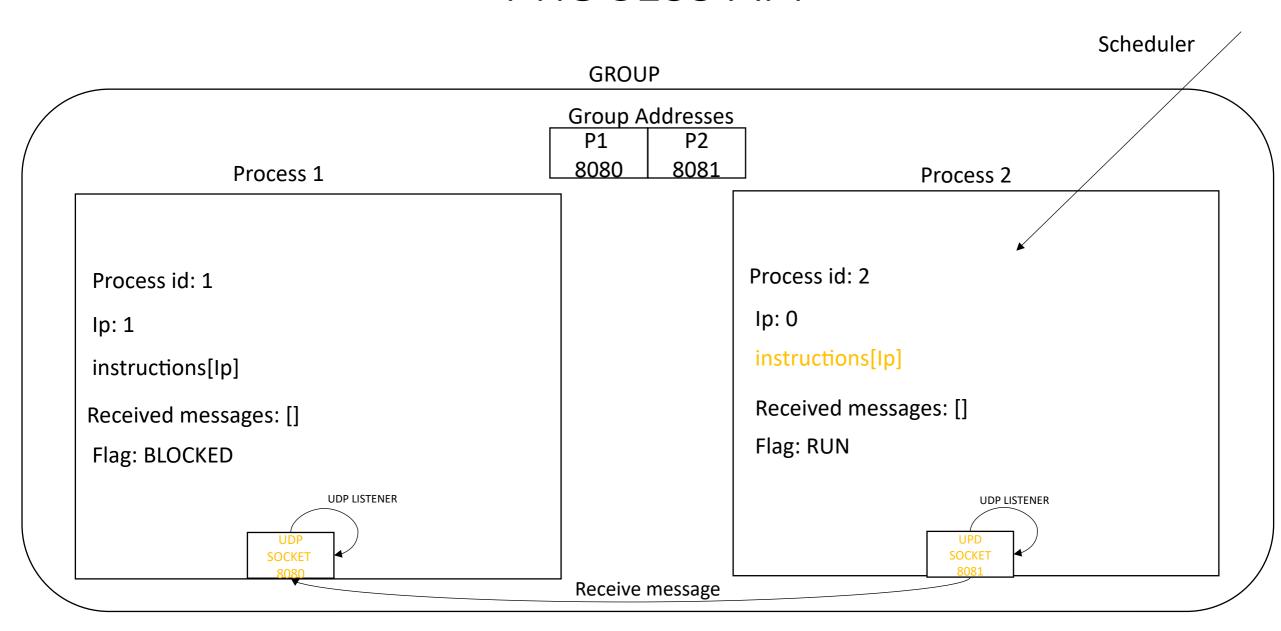


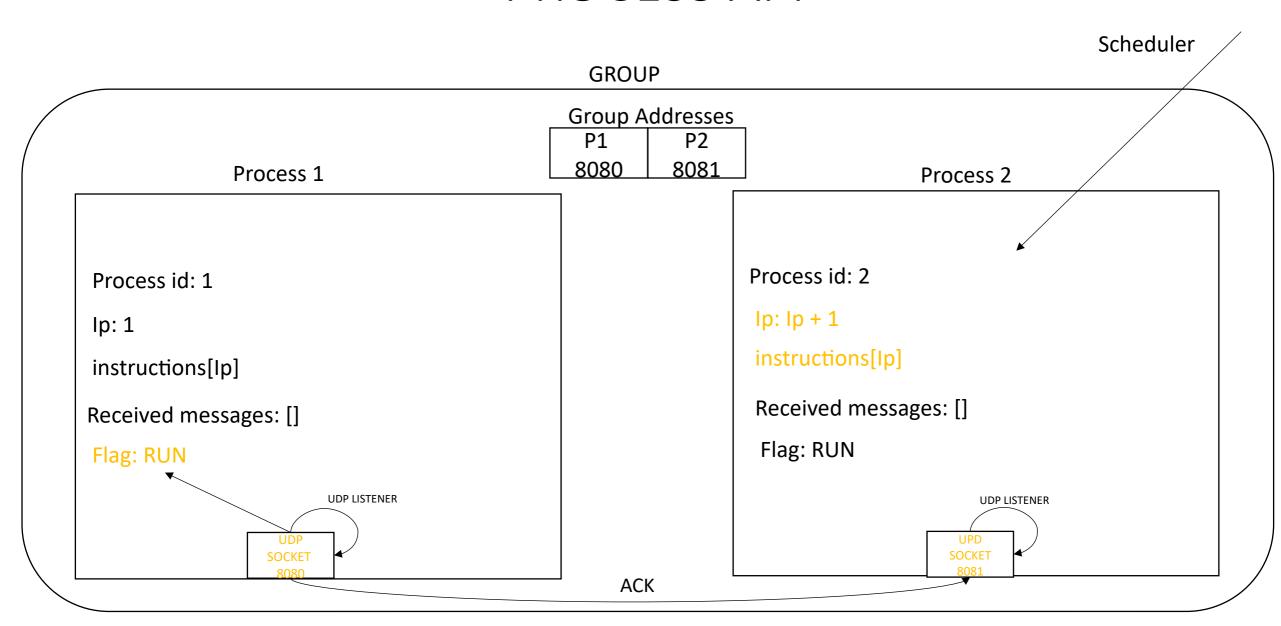












SERIALIZE DATA

