## 7.5.1 Packet Processing Code

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7.5.1.1 common.h
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* MCAPI 2.000 Packet Processing Use Case
 * common.h
 * /
// Header file containing a couple of declarations that are shared
// between the load balancer and the worker.
#ifndef COMMON_H_
#define COMMON_H_
#include <stdio.h>
#include <stdlib.h>
extern char* mcapi_strerror(int s);
enum {
 WORKER_REQUEST_PORT_ID,
 WORKER_ACK_PORT_ID
#define DOMAIN_0 0
#define NODE_LOAD_BALANCER 0
#define CHECK_STATUS(S) do {
   if (S != MCAPI_SUCCESS) {
    printf("Failed with MCAPI status %d (%s)\n", S, mcapi_strerror(S)); \
    exit(1); \
 }} while (0)
typedef struct{
      unsigned char is_valid;
      int worker;
      PacketInfo;
#endif /* COMMON_H_ */
7.5.1.2 load_balancer.c
 * MCAPI 2.000 Packet Processing Use Case
 * load_balancer.c
 * /
#include "common.h"
#include "mcapi.h"
#include <stdbool.h>
extern void spawn_new_thread(void* funct, int worker_id);
extern void worker_spawn_function(int worker_num);
extern int get_next_packet(PacketInfo* packet_info);
extern void drop_packet(PacketInfo* packet_info);
```