```
      die("Couldn't map shared memory region.\n");

  }

}


void update_flows(PacketInfo *packet) {

  int bucket = hash_packet(packet);

  flow_info_t* flow;


  mrapi_status_t status;

  mrapi_key_t lock_key;

  mrapi_mutex_lock(flow_table[bucket].lock, &lock_key, 0, &status);

  if (status != MRAPI_SUCCESS)

    die("Lock failure.\n");


  flow = scan_linked_list(flow_table[bucket].list, packet);

  if (!flow) {

    // Lock the free list and allocate a new flow.

    mrapi_key_t free_lock_key;

    mrapi_mutex_lock(flow_table->free_list_lock, &free_lock_key, 0,
&status);

    if (status != MRAPI_SUCCESS)

      die("Lock failure.\n");


    flow = alloc_from_free_list(flow_table);

    init_flow(flow, packet);

    add_to_linked_list(flow_table[table].list, flow);


    mrapi_mutex_unlock(flow_table->free_list_lock, &free_lock_key, &status);

    if (status != MRAPI_SUCCESS)

      die("Lock release failure.\n");
```