```c
    // if the work request is marked "invalid", we're done
    if (work_info->is_valid == false)
    {
      break;
    }

    // do the work
    some_function_or_another(work_info);

    // we're done; return the buffer and send an ack
    mcapi_pktchan_release(work_info, &status);
    mcapi_sclchan_send_uint8(ack_out, 1 /* Any value would do. */, &status);
  }
}


void shutdown()
{
  mcapi_status_t status;
      mcapi_request_t request;

  // close our channels
  mcapi_pktchan_recv_close_i(work_request_in, &request, &status);
  mcapi_sclchan_send_close_i(ack_out, &request, &status);
}
```