

## GUEST

```
void request(Request r) {  
    sg = to_scatter_gather(r);  
    virtqueue.add_buf(sg, r);  
    virtqueue.kick();  
}
```

```
void virtqueue_callback() {  
    virtqueue.disable_cb();  
    napi_schedule();  
}
```

```
void polling_function() {  
    while (r = virtqueue.get_buf()) {  
        post_process(r);  
    }  
    napi_complete();  
    virtqueue.enable_cb();  
    if (virtqueue.more_used()) {  
        virtqueue.disable_cb();  
        napi_schedule();  
    }  
}
```

## HYPERVISOR

```
void notification_callback() {  
    virtqueue.disable_notifications();  
    qemu_bh_schedule(bh);  
}
```

```
void processing_bh() {  
    while (sg = virtqueue.pop()) {  
        process_request(sg);  
        virtqueue.push(sg);  
        virtqueue.notify();  
    }  
    virtqueue.enable_notifications();  
    if (virtqueue.more_avail()) {  
        virtqueue.  
        disable_notifications();  
        qemu_bh_schedule(bh);  
    }  
}
```