

---

Subject: What is the best way to create a Semaphore with timeout?

Posted by [Tom1](#) on Tue, 17 Dec 2019 08:49:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I need a Semaphore with `Wait(int timeout_ms)`; What is the best way (in terms of efficiency) to implement this timeout functionality?

Using `SetTimeCallback()` to `Release()` the Semaphore is not an option in non-GUI environment. Another thread Sleeping for the specified amount of time and then calling `Release` feels a bit inefficient.

(For the background: I'm building a FIFO using `BiVector` and wish to get minimal latency and overhead for the operation.)

Best regards,

Tom

---