

Re: Returning data in KSEVENT

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2007-01/msg00054.html>

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 - *Date:* 3 Jan 2007 16:59:54 -0800
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In fact, the best thing to do in your situation is to use so-called inverted call (<http://www.osronline.com/article.cfm?id=94>), rather than using events – it eliminates the necessity to share memory between driver and app, which, theoretically, poses a security risk

However, if you are just desperate to do everything via events, create unnamed synchronization (i.e. auto-reset) event in your app, pass its handle to a driver, and make your driver pass this handle to `ObReferenceObjectByHandle()` in order to get a pointer to the underlying `KEVENT`. At this point app and driver will be able to communicate with one another (in your case, to control access to the shared buffer) – driver will be able to use `KeWaitForSingleObject()` and `KeSetEvent()` with `PKEVENT`, and app will be able to use `WaitForSingleObject()` and `SetEvent()` with a handle that references `KEVENT`.....

Anton Bassov

KS wrote:

Hi,

I'm trying to return a `DWORD` data together with a `KSEVENT` in my driver so that my user mode component will receive the data when the event is triggered. Anyone knows how to do it? Thanks

KS