

## Re: Using section/view in the driver

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- *From:* [soviet\\_bloke@xxxxxxxxxxxx](mailto:soviet_bloke@xxxxxxxxxxxx)
  - *Date:* 30 Sep 2006 21:49:31 -0700
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Gary,

DriverEntry() and AddDevice() are called in the context of a system process. If you create a kernel thread with PsCreateSystemThread() and specify NULL as ProcessHandle argument, your thread will run in the context of a system process as well. Therefore, if you create a section in DriverEntry() or AddDevice(), you will have no problem mapping it in the context of a kernel thread that you have created. To summarize, all your worries are unfounded

Anton Bassov

Gary Li wrote:

Thanks for the feedback.

My problem actually is:

I need to access a big file in the workitem routine (kernel thread created by driver and running in the PASSIVE\_LEVEL). However, ZwCreateSection() will report STATUS\_SECTION\_TOO\_BIG if called in the routines other than DriverEntry() or AddDevice().

Therefore, I am planing to create the file and section in AddDevice(), and to map the view in the workitem routines. Now sure whether they are legal. NtCurrentProcess() will be used to get process handle during mapping the view. If AddDevice() and workitem are in different processes, how to use this mechanism ? or is there any other mechanism to try for the same purpose ?

Thanks

-Gary

"soviet\_bloke@xxxxxxxxxxxx" wrote:

Can I call ZwCreateSection() and ZwMapViewOfSection() with the same handle in the different processes ?

Re: Using section/view in the driver

Of course you cannot do it – \*ANY\* handle is valid only in the context of a process that has opened it, unless it has been duplicated with DuplicateHandle()

Anton Bassov

Gary Li wrote:

Can I call ZwCreateSection() and ZwMapViewOfSection() with the same handle in the different processes ?

–Gary