Abstract

GDDK is a tool to help users build a driver in an organized and a lesser burdened way than how they do that natively. It helps by framing a procedure that comes common out of developing various drivers. The tools contains all function definitions of the kernel source, but the user is expected know how to use those functions in the GDDK and how to use them to solve his purpose, as the tool is supposed to provide only a convenient way for developing the driver, and hence doesn't do any wonders by creating drivers itself. The tool offers a wizard for users which can help them to make a driver on preconfigured templates as well as a UI where she can choose from innumerable functionalities of the kernel to develop one of her own.

The toolkit should not be misjudged as an AI kind of framework where only a little information from the user can develop a driver for any device. User must know each and everything about the device, about the functionalities as well as mechanism of the device to develop a driver. The toolkit helps in a way that it saves user's time to develop a driver as well as it can help user to build it in a systematic approach so that useless ambiguities are avoided.

Reference

3rd Ed., 2005

http://portal.acm.org/citation.cfm?id=509852.509856&coll=portal&dl=ACM&CFID=51722142&CFTOKEN=94078685

http://portal.acm.org/citation.cfm?id=327338.327360&jmp=cit&coll=portal&dl=ACM&CFID=51722142&CFTOKEN=94078685#CIT


http://portal.acm.org/citation.cfm?id=789083.1022717&jmp=cit&coll=portal&dl=ACM&CFID=51722142&CFTOKEN=94078685#CIT

**Index Terms**

Computer Science

Operating Systems

**Key words**

GDDK

DDK

Linux

drivers

Device drivers

Kernel