

Dr. Kevin McGrath's chapter, "Chapter 3: Interrupts" (2017), describes the overall structure and basic functionality of an interrupt within a basic system or hardware device. Dr. McGrath develops his teachings by first explaining the basic fundamentals of an interrupt request and system calls working directly with its hardware being all contained within the top half an interrupt, and then how the bottom half of an interrupt consists of everything that is needed to manage an interrupt, such as variety of management purposes, and how there are here main types of bottom halves in a modern Linux. Dr. McGrath's purpose is to inform and explain about the basic knowledge of an interrupt, in order to provide the information of what will later his further teachings as he proceeds to describe in deeper detail with this basis of knowledge and for his reader's use of such knowledge for future experiences, such as for interviews. Given the technical language used throughout the chapter, Dr. McGrath establishes a professional relationship with his academic audience of well-informed and educated students and interested and curious readers throughout the reading.