Free Download Lockdir Full Version
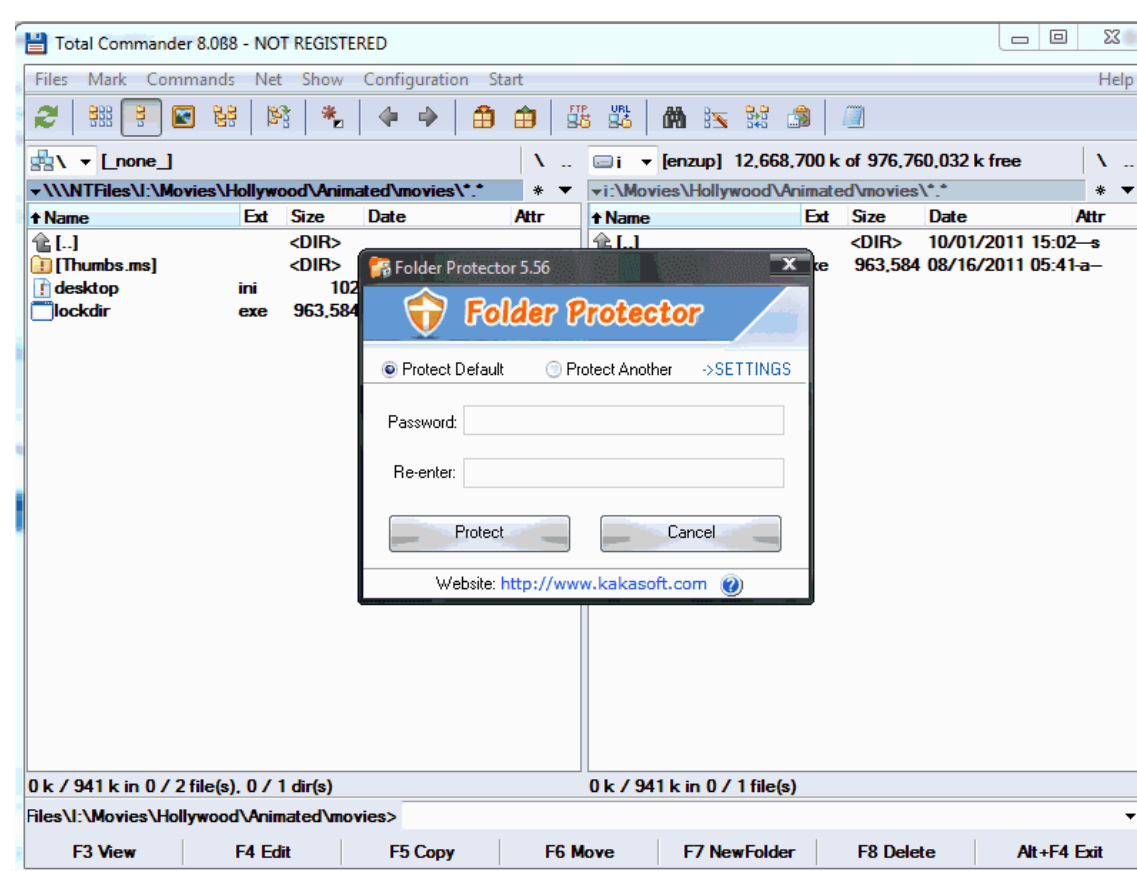

DOWNLOAD:

Download

4.1. Structure and Functionality {#sec4dot1-sensors-20-02439} ------------------------------- Lockdir uses an own kernel-mode driver to realize the functions of file sharing and data sharing. The software uses a hardware lock to ensure that the process can only access the shared data by its own user ID. The user ID is managed by the registered user of the system. [Figure 7](#sensors-20-02439-f007){ref-type="fig"} shows the interface of the software. The function of the software is divided into two parts: the file sharing function and the data sharing function. The File sharing function is used to solve the problem that shared files are shared by more than one user at the same time, which leads to the occurrence of other users seeing the file in the data sharing function, resulting in a security loophole. The data sharing function is used to solve the problem that the user needs to add multiple ID and passwords to access the data in the shared folder. 4.2. Working Mode {#sec4dot2-sensors-20-02439} ----------------- The software uses a locked folder to prevent other users from seeing the shared data. When the software is initialized, it will register a user. The user ID is used to lock and unlock files. The user registration process is as follows:First, the software will check whether the folder is locked. If the folder is locked, the software will register a user. The user ID and password will be sent to the driver of the software. The driver will register the user and send the user ID and password to the software. Then the software will lock the folder with the user ID. After the registration process is completed, the software will delete the user from the system. Finally, the software will send an unlock command to the driver, and the driver will unlock the folder. 4.3. File Sharing Function {#sec4dot3-sensors-20-02439} ------------------------- The file sharing function is used to realize the sharing of files and data. Users can access the shared folder in the software in the way shown in [Figure 8](#sensors-20-02439-f008){ref-type="fig"}. In the figure, the shared files can be accessed by users without giving them the permission. For example, user A can view the shared files without giving 82157476af