

USB Pratirodh

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CDAC

Regulating removable storage device access

In the world of information age, the data stored in the computer is most valuable assets to any organization. It may include pricing details, trade secrets, Intellectual property, customer list, business plans and even personal information. These are the assets that enable a company to distinguish itself from the competitors. Due to this, a security breach is easy to occur at any time, like anyone can use a mass storage device and copy these valuable assets. And if it happened, the effect will be disastrous and irreversible. Moreover USB mass storages become the main propagator of all malicious software. The crux is that controlling or blocking the usage of USB mass storage device is vital to any organization no matter what data they handle.



CDAC Hyderabad has come up with a solution, for securing from the threat of USB removable media, called USB Pratirodh. USB Pratirodh is a software solution which controls unauthorized usage of portable USB storage devices. The USB Pratirodh blocks and controls the usage of removable storage media like pen drive, external hard drives, cell phones, iPods, camera and any USB mass storage devices. Only authenticated users can access the removable storage media.

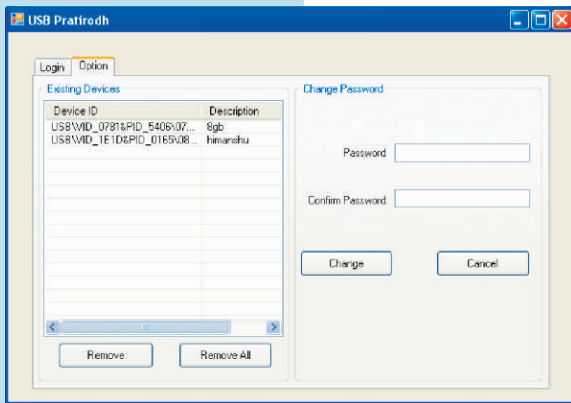


USB Pratirodh

*Your computer stores information, information is knowledge,
Knowledge is the power, so it should be protected*

Features

- **User authentication:** Whenever a pen drive got plugged in user will be asked to authenticate with user name and password. Only authenticated user can access the device. If the user fails to authenticate and try to access the device, user gets a access denied message
- **Device Control:** All USB devices are uniquely identified. User can add or remove the devices into the data base. User can bind one or more USB Devices to be accessed using enabled username. If it is a new device user will be notified and should provide user name, password, and description to add the data to the data base

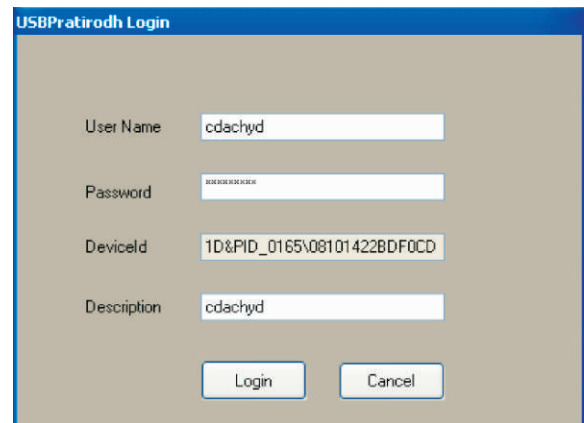


About us

C-DAC, Hyderabad is a Knowledge Centre with the components of Knowledge Creation, Knowledge Dissemination, and Knowledge Application to grow in the areas of Research & Development, Training and Business respectively. The R & D areas of the centre are e-Security, Embedded Systems, Ubiquitous Computing, e-Learning and ICT for Rural Development.

End System Security, Malware Analysis & Prevention and Security for Ubiquitous Computing Environment are the focus areas in e-Security research. The Centre has developed over a period of time a number of products in e-security such as EnSAFE, RealSAFE, NAYAN, USB Pratirodh and Malware Resist. The centre has also established e-Suraksha Lab and Malware Research Lab.

- **Co-existence:** USB Pratirodh is designed in such a way that it blocks only USB mass storage devices. It can co exist with other USB devices like mouse, keyboard, webcam, etc. User does not get any notification or disturbance on using other USB devices other than Mass storage devices. USB Pratirodh co-exists with other security solutions.



- **Support for both Windows and Linux:**

USB Pratirodh runs Windows as well as Linux environment. It support Windows XP SP2, Vista, Windows 7 and Linux (Ubuntu , BOSS and SUSE, etc)