Dark-Drive

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A commodity USB flash storage device – a commonplace accessory for any office worker. Everyone thinks they know how it works. Digital Operatives' customized storage device firmware undermines these expectations. With Dark-Drive firmware, a storage device can detect the identity of the USB host, introduce modifications to files out-of-band as they are stored or retrieved, perform commands triggered by keywords in files, and detect & prevent forensic imaging of the storage media.

Dark-Drive exploits the trust in the act of storing or retrieving data, and invalidates the assumption that storage devices are simple block storage.

Clandestine Technology

Digital Operatives understands that its customers need to implement custom solutions that are not available to the general public, to create tactical surprise. Dark-Drive is only available under NDA to select organizations.

Digital Sleeper Agent

The Dark-Drive firmware enables a device to exhibit only standard storage device behavior until it detects a given host computer or stored data, upon which it can take action. For example, it might start to subversively modify or destroy data, introduce an exploit to a file, or modify a stored program.

Target Audience

Despite the subversive nature of Dark-Drive, it is intended to protect access to highly sensitive and otherwise protected data while at rest, traveling, or while under other undesired scrutiny. Dark-Drive is available only to commercial entities, governments, and other select clients.

Anti Forensic Imaging

With the ability to detect and deny patterns of device access that indicate forensic imaging behavior or the presence of a write-blocker, Dark-Drive can protect stored data against the evidence acquisition methods used by forensic examiners.

Familiar Packaging

The Dark-Drive firmware is built for use in the "thumb drive" form factor of consumer storage devices. Dark-Drive already runs on one such

device, and any existing storage device firmware source code can be adapted to include Dark-Drive capability.

Contact

Digital Operatives LLC is a research leader in advanced information exploitation, operations, and digital defense. We provide our partners and customers with advanced solutions that give them the advantage on the digital battlefield.

Contact sales@digitaloperatives.com for more information or call 703.679.8635.