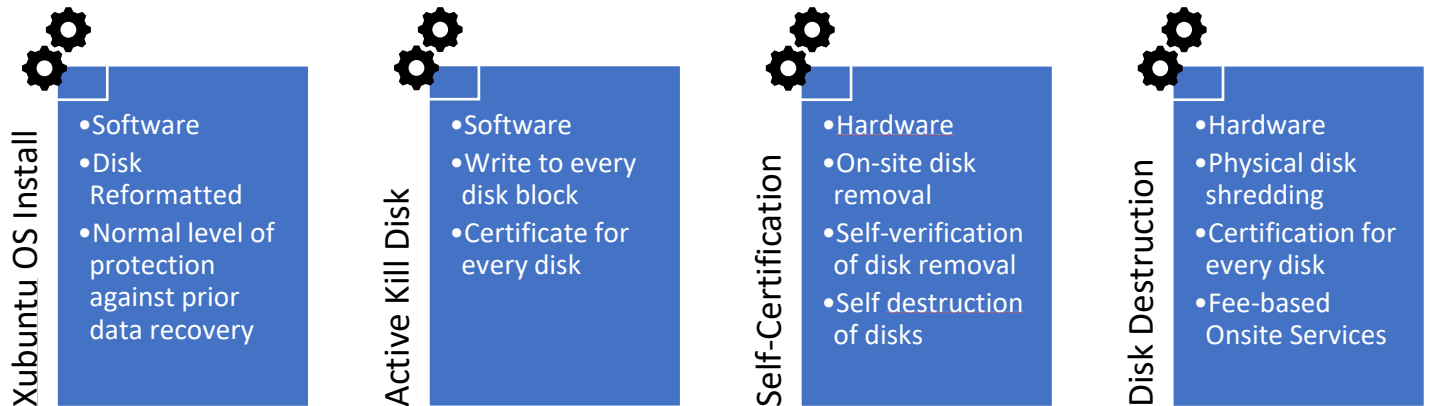# TDI connect

Data Overwriting and Destruction Options

TDI Connect receives donations of PCs and laptops from businesses, firms and organizations. We refurbish the machines and then donate them to increase the level of internet access within the greater Trenton community. An issue for some equipment donors is the ability to ensure that any residual data is effectively made inaccessible.

TDI Connect has four approaches to gain the required level of data erase and security.

Xubuntu OS Install	Active Kill Disk	Self-Certification	Disk Destruction
• Software • Disk Reformatted • Normal level of protection against prior data recovery	• Software • Write to every disk block • Certificate for every disk	• Hardware • On-site disk removal • Self-verification of disk removal • Self destruction of disks	• Hardware • Physical disk shredding • Certification for every disk • Fee-based Onsite Services

Xubuntu OS Install

TDI Connect machines are all loaded with the Xubuntu variant of the Linux operating system. Whatever approach to data destruction best suits our donors, the Xubuntu operating system is always loaded on the machines.

The loading of the operating system reformats the hard drive for the Xubuntu operating system. This TDI Connect standard operating procedure provides a standard removal of all data from the hard drive.

Active Kill Disk

Active Kill Disk (www.lsoft.net/killdisk.aspx) is commercially available software that physically writes new data, e.g. zeros, on every disk block and creates a certificate of data destruction. This allows organizations to purchase and run the software at their own site certifying to themselves that the data destruction meets their compliance needs prior to donation of the equipment.

Self-Certification

In this scenario, the donor will remove the disks from the donated machines and self-certify that the disks are removed before the machines are donated. The donor will then destroy the disks through their desired channels. In special instances, our volunteers may be available to carry out onsite removal of the disks. The donor, however, is still responsible for disk destruction and self-certifying that all machines had their disks removed prior to donation.

Disk Destruction through Securis

Physical disk shredding and disposal is an option for ultimate security. We work in collaboration with Securis (www.securistrenton.com) who provides onsite physical drive destruction and certification services. Securis services are compliant with NIST 800-88 and DOD 5220 standards and all destruction by-products are then recycled in accordance with R2 certifications of Zero Export, Zero Landfill policy.

You work directly with Securis to determine your data destruction and certification needs and the related costs. After disk destruction, Securis will deliver the machines to TDI Connect where new disk drives will be installed.