# Forts' Solution - Control software

**Security for sensitive and critical data**

### ENTERPRISE SECURITY

Complete access and security of data across the complete corporate landscape including legacy systems.

### POLICY ENFORCEMENT

The corporate policies are enforced at a granular level based on user, location and time.

### WORKSTATION LOCKDOWN

When the agent is run it first locks down access to all storage devices, networks and printer. Only when that has completed does it allow access to the Knox system.

- As part of the Forts' Solution the Sumter agent runs of the user workstations and PCs to enforce policies and control access to data.
- Geolocation access control enforced by policy.
- Enforces access to printers, network and internal and external storage devices controlled by policy.

## Sumter Agent

The agent runs on the PC or workstation being used to access the data to enforce security and access policy.

By taking control of the device, it is running on the agent first fully locks down the device to ensure no information can be exported or saved in any format.

The agent then allows access to the Knox system and from that loads the rules for that user, device and time combination.

Once started the agent first shuts down other applications, disables print and screen print option, flushes memory and sets up single dedicated tunnel to one of preconfigured Edge Unit. No other network connection is able to be made. All access to local, network and removable discs is disabled at this point.

The agent then authenticates user and setups up rights for this specific user as we as any rules depending on the PC or workstation (determined by IP address and ethernet MAC address). Read access may be granted to local discs by the rights given to specific users.

Only those applications that are authorized to that user /PC configuration can then be started.

SysEncrypt
Information Security
for the Enterprise

# Connectivity

- **Knox units**

  The Knox is at the core of the Fort Solution with from 24 PB up to 32 EB of usable mirrored storage, hardened servers running the user, device and location access rights databases as well as the key generation and management functions. Internal to each Knox these servers are fully redundant and utilize AI to manage data storage between cache, SSD and physical hard discs for storage utilization.

- **Ticonderoga units**

  Acts as a core switch for larger installations to allow multiple Delaware Units to connect to the Knox units. These hardened units hold a mirror of the user and PC rights database to improve access performance. The units have AI controlled pathing and rerouting functions with 16 GBytes cache per channel. Has twenty-four, 32 Gigabit upstream Fibre connections (3200 MB/s payload each), and forty-eight, 16 Gigabit downstream fibre connections (1,600 MB/s payload each).

- **Delaware units**

  The Delaware unit is a fibre channel switch used to connect between the user workstation or PC and direct to the Knox units on smaller installations or to the Ticonderoga units on larger installations.

  Connection to the Knox or Ticonderoga units is by four fibre connections that allow for redundancy and load sharing.
  The Delaware unit handles the initial connection and secure setup to the PC when an encrypted link is established.

  Once the link is completed the Delaware units uses the settings from the Knox policy engine to set the configuration allowed for the device.

  By offloading many of these initial function to the Delaware units this minimizes initial setup traffic to and from the Knox units.

### POLICY

The policy is specified at a very granular level to allow the user to be able to complete their designated roles and tasks based on these rules.

### ONGOING SUPPORT

Each customer has their own dedicated support team who will work on site to ensure that securing the Enterprise remains the focus of the mission. All changes and reconfiguration needs are covered by the support package.

For more information on any of our products or services please visit us on the Web at:
www.sysencrypt.com

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