Forts' Solution – Backing it up

Security for sensitive and critical data

ENTERPRISE SECURITY

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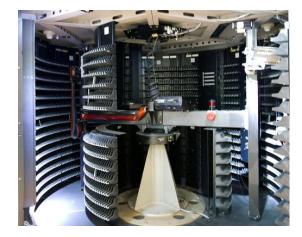
SCALABLE BACKUP

The support of a wide range of tape libraries to meet the needs of the enterprise.

TAPE CONNECTION

Connection to the tape libraries can be made using either secure local fibre channel or across wider area via the Delaware or Ticonderaga Units.

PLANNING

A specialist planning team will work with the customer to understand their needs, design the correct solution and ensure that it can be fully implemented within the customers operating environment.

- Software to control tape libraries for off line storage with full file system database.

- Large range of libraries and tape formats supported.

- All information stored with full encryption and security controls retained.

- Tape silo can be either remote or co located with Knox

The Knox system offers secure data storage but there are times where information may be accidently deleted by the users or may need to be kept in an archive for a number of years.

To meet these needs the operation system features backup software solution designed to control a tape silo.

To ensure fast restorationof the most recent data, it is first saved to virtual tapes and then migrated to physical tapes.

The use of tape offers a green solution for long term storage of critical data in a minimal physical footprint.

Available tape silos offer up to an Exabyte of storage each and support for four silos in each Knox system is available.

The backup software is built into all Knox systems and can be enabled by purchase of the appropriate license.

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Connectivity

- **Tape Software**
  The Forts' solution includes a fully functioning tape and library backup and archive solution that is both powerful and flexible. Full data integrity is assured and you can be confident that any backup or archive data can be recovered quickly if required.
  The database contains full details of what is where and ensures at least three copies of the data are on different tapes in case of tape loss. The system automatically selects the tapes to be removed for offsite storage and prints out the list for the administrator to use.
  All data on tape is encrypted even though the original data is encrypted providing another layer of security and ensuring data intergrity..
  Should the "Right to be forgotten" be required in Europe then the system will copy tapes without including the right to be forgotten information before erasing the original tapes.

- **Delaware units**
  Act as edge switches to handle connections from the attached PCs / workstations to the Knox units. Connection to the Knox is by four fibre connections that allow for redundancy and load sharing. On smaller installations the Delaware will connect directly to the Knox units whilst on larger ones they will connect via the Ticonderoga switch.

- **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.

- **Sumter Agent**
  The agent runs on the PC or workstation being used to access the data.
  Two factor authentication needed to start agent.

  The agent authenticates the user and sets up the necessary rights and rules. Only those applications that are authorized to that user /PC configuration can then be started.

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