



Replica Data Security

ReplicaUSB

Closed Information Group



Extending the Security

- *ReplicaUSB Closed Information Group* is transforms the role of the USB drive.
- becomes a highly secure and structured device for mobile data
- Database resident on the USB drive works with a secure offsite backup server
- Automated and near real-time back-up

Core Attributes



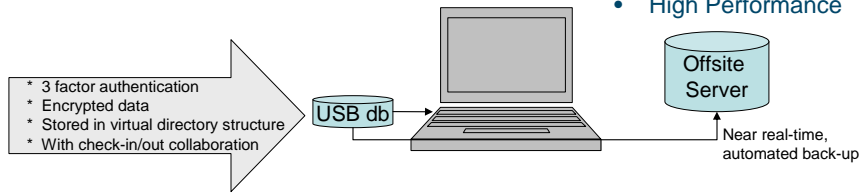
Replica Highly Secure Mobile Environment

Core Environments

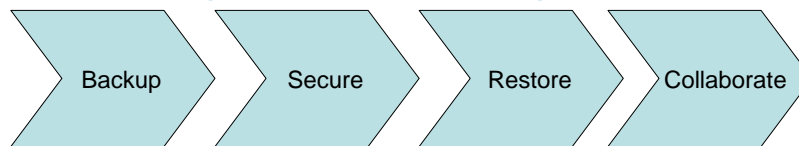
- Secure
- Restore
- Collaborate

Leveraging innovative technology:

- Biometric (subcutaneous) USB drive
- Caché object-oriented database
 - Common Criteria Certified Level 3
 - Small footprint
 - High Performance



Restoring and Securing



- Users can restore data from the USB or Laptop to any computer that is authorised for that use

- The USB and Laptops can be restored automatically from the offsite database

If the USB or Laptop itself is lost or compromised:

- IT issues a "Kill Database" command. The database on the USB is then automatically delete
- The USB is permanently disabled, the laptop is secured.

Uniqueness



- The ONLY database-based secure back-up
 - We have moved the file system into the database
 - You are looking at encrypted database managed data
 - Only product in the world to run a commercial grade, Common Criteria Certified Level 3 database from a USB drive
- Runs from a USB drive, without requiring any installation or access to the host computer's registry or hard drive

Applications



- Closed Information Group - **Collaboration**
 - Major Australian Bank for sharing secure information in unsecured locations
 - A non-profit Health Organisation for moving sensitive medical information securely at low cost
 - Mortgage brokers able to share confidential rate information nationally
- Secure transportation of information - **Secure**
 - Source code
 - Tender Documents
 - Health Records
 - Financial records
- Allows users to move between multiple computers easily, bringing their data with them - **Restore**
- Easy backup of data to a portable media, AND stored offsite - **Replicate**

Technology



- Object-oriented solution developed in Visual Basic .Net
- Running on the Caché Common Criteria Certified Level 3 Database
- All data is encrypted to 256 Bit AES Rijndael Encryption
- All data is compressed, encrypted and then streamed over port 80 to the Cache database
- Transport is done via ODBC with Replica logging directly into the Cache database.

Technology



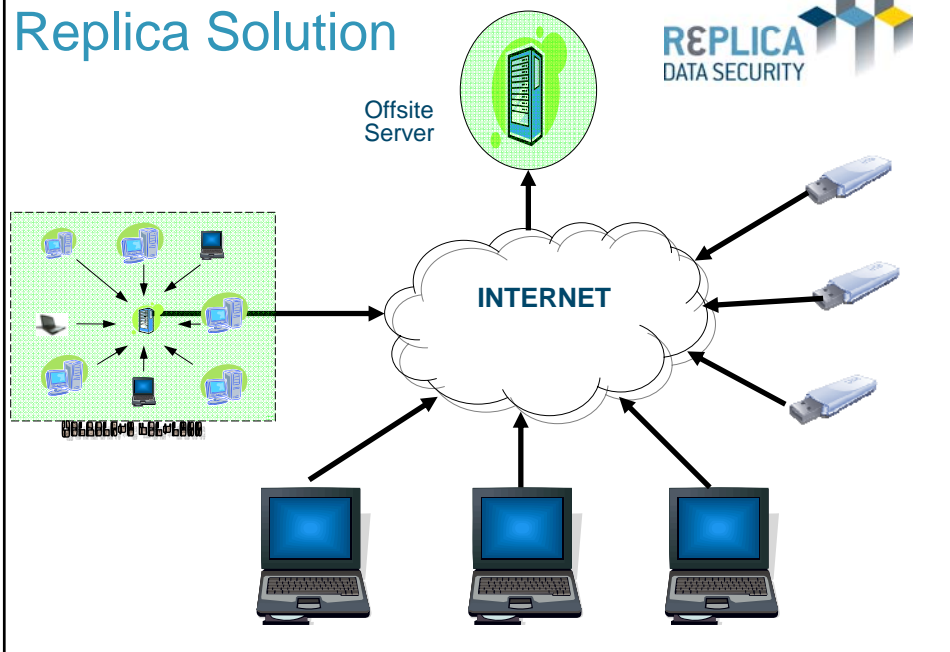
- Windows service on the System Account with a priority just above idle.
- Delta Algorithm
 - Patches Word Documents
- Cache database to database replication
- Silent installations
 - Encrypted Script and MSI

Technology



- Runs on all Windows operating systems
 - developed to withstand user mistreatment of the system, such as pulling the USB out part way through an operation
- Secure tab deletes data to US DOD specifications
- Meets National Privacy Principals for securing data
- Replica won a Consensus award in 2006 and the 2008 NSW iAward for Security.

Replica Solution



Further Information



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