

# I AM THE NCR SECURE™ HARD DISK DRIVE ENCRYPTION



## **NCR Secure Hard Disk Encryption provides centralized server based control of clients, users and keys.**

The console and the optional Web interface, can provide a view of the status of all devices with NCR HDE installed, whether they are unencrypted, currently being encrypted, or fully encrypted.

The solution provides a pre-boot network authentication for each terminal. The terminal will boot to the pre-boot environment which will use the network to contact the customer's HDE server. If, and only if, the server authorizes it, will the system boot to the OS on that hard disk. So even if someone steals the whole PC core, motherboard and drive, they won't be able to access the drive in NCR HDE managed environment.

This is to cover the situations where the attackers will connect to local network and the system will still be allowed to boot in SES. The hard disk will be fully encrypted using keys that are stored on the HDE server, so if someone boots to a USB Flash Drive or connects the hard disk to a laptop as a second drive, the content is not visible.

For more information,  
visit [www.ncr.com](http://www.ncr.com), or email [financial@ncr.com](mailto:financial@ncr.com).

If the customer needs to decrypt the hard disk for whatever reason, keys can be retrieved from the HDE server and decryption done in a support center.

The optional Web component is provided by NCR and can be installed on any system with IIS web server present.



# Why NCR?

NCR Corporation (NYSE: NCR) is the global leader in consumer transaction technologies, turning everyday interactions with businesses into exceptional experiences. With its software, hardware, and portfolio of services, NCR enables more than 550 million transactions daily across retail, financial, travel, hospitality, telecom and technology, and small business. NCR solutions run the everyday transactions that make your life easier.

NCR is headquartered in Duluth, Georgia with over 30,000 employees and does business in 180 countries. NCR is a trademark of NCR Corporation in the United States and other countries. The company encourages investors to visit its web site which is updated regularly with financial and other important information about NCR.

**Web Reporter** provides access to detailed information across the network of SSTs for device summaries, device, audit log, user and key reports. It's particularly useful for organizations with large and complex networks requiring many profiles and installation packages.

With the Web software installed at a regional or local level, installation packages created centrally can be customized for a specific local environment without the need to see the SSTs in other regions; or users can be allowed to use only Web Reporter tool.

## Key features

### Protects against

- ATM software being disabled, modified or tampered with when data is at rest (offline attack) (i.e. Ploutus, PADPIN, TYUPKIN, etc.)
- Dispenser Encryption Keys being compromised when data is at rest
- Mounting HD as secondary drive
- Reverse engineering stolen HD
- Data on HD being compromised
- Poor disposal of HD

### Additional features

- Provides protection even if the whole core is stolen
- Keys held remotely from ATM (Network based Authentication)
- Significantly more secure than locally held keys
- All Hard Disks encrypted
- Allows authorised decryption for support and troubleshooting
- Centralized control and administration

### Authorized central management of decryption and encryption

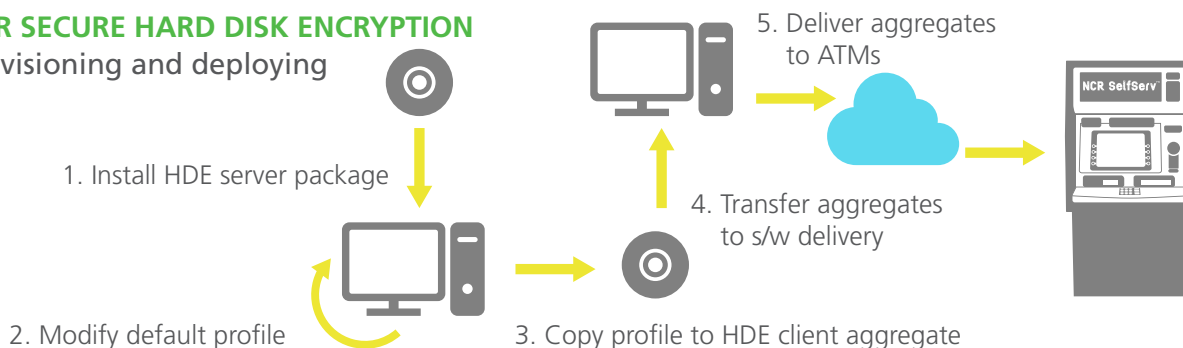
- Encryption status known centrally – encrypting, encrypted, not encrypted
- Centralized policy updates can be pushed to ATM

## Technical specifications

- Works on XP and Windows 7
- Vendor Independent

### NCR SECURE HARD DISK ENCRYPTION

#### Provisioning and deploying



NCR continually improves products as new technologies and components become available. NCR, therefore, reserves the right to change specifications without prior notice.

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