comforte

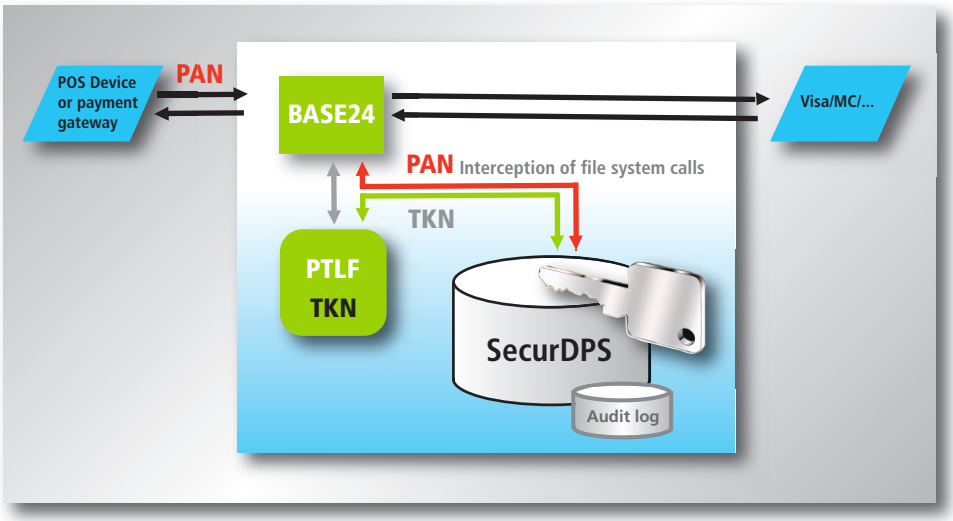
# SecurDPS/24

## Data at Rest Protection for BASE24-classic

*Data breaches can cause severe damages to businesses processing financial transactions. To protect sensitive payment card holder data, PCI-DSS requirement 3.4 demands the Primary Account Number (PAN) to be rendered unreadable anywhere it is stored. For a long time, it deemed impossible for payment processors using ACI Worldwide's BASE24-classic system to become fully compliant with this requirement, allowing them to employ compensating controls as a temporary measure. SecurDPS/24 now delivers a fully compliant solution for the protection of PANs in BASE24-classic, enabling processors to take complete control of their sensitive data, lowering compliance costs and significantly reducing the risk of data breaches.*

## Architecture – *how does it work?*

SecurDPS/24 uses well-established I/O intercept technology to insert a protection layer for all BASE24-classic disk files. Combined with advanced mechanisms for locating sensitive data in the I/O buffers for tokenization or encryption, SecurDPS/24 operates completely transparently "under the hood" of BASE24-classic. The following diagram exemplifies SecurDPS/24 in a BASE24-classic environment replacing PANs in POS Transaction Log Files (PTLF) with secure tokens.




SecurDPS/24 combines tokenization and encryption to protect the Primary Account Number (PAN) stored by BASE24-classic and related applications. Without changing the record format, SecurDPS/24 replaces PANs with secure tokens in transaction logs and card holder files, allowing access to the PAN to authorized application processes only when needed.
Other sensitive files exchanged with other systems such as BASE24-refresh, -extract and -report files can be protected by PGP encryption; or BASE24 can be enabled to work directly with files on the partner systems via secure SFTP/SSH file transfer, eliminating any intermediate storage on the BASE24 host.

## System Requirements

**NonStop System:**

G06.27 or later
H06.07 or later
J06.04 or later
L15.02 or later

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## Features – *what does it do?*

- **No source code changes to BASE24 required**
  SecurDPS/24 is the only solution in the marketplace which does not require any changes to the BASE24 source code

- **Format-preserving field level protection**
  SecurDPS/24 protects PANs in all BASE24 files, including BASE24-eps journal files.

- **Powerful Built-in Tokenization Engine**
  The stateless and vaultless architecture of the tokenization engine provides optimal performance with minimal system impact. SecurDPS is extremely flexible in terms of token formats and can address any business requirement.

- **Powerful Encryption**
  SecurDPS24 uses strong standards-based encryption algorithms to protect cryptographic material as well as sensitive application data.

- **On-the-fly PGP File Encryption**
  SecurDPS/24 enables BASE24 batch processes to work directly with encrypted files eliminating unprotected intermediate storage. Encrypted files can be easily exchanged with other systems supporting the OpenPGP standard.

- **Remote File Support**
  SecurDPS/24 enables BASE24 to import/export data directly from/to remote files via SFTP file transfer.

- **Comprehensive Key Management**
  SecurDPS/24 is delivered with built-in key management capabilities. It can also be easily integrated with any preferred external key management system. Keys can optionally protected by a Hardware Security Module (HSM).

- **Granular Access Control and Auditing**
  SecurDPS/24 controls which processes can access unprotected data based on object file, process name, user ids, creator ids, and numerous other attributes. It also provides an audit log of all authorized access to PANs in the clear.

- **Interacts seamlessly with Disaster Recovery solutions**
  SecurDPS24 is compatible with data replication tools including those which also employ intercept technology. The stateless token vault can be easily duplicated to backup systems supporting any disaster recovery architecture, including Active/Active.

- **Proven in production**
  SecurDPS/24 is successfully running in several demanding production environments.

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