What Halloween Costume Should Your Data Wear? A Data Mask by TANDsoft

TANDsoft's Sensitive Data Intercept (SDI)

Your name is John Doe. Your nine-digit U.S. Social Security Number (SSN) is 123-45-6789. You earn an annual salary of USD $93,000, and your employer maintains all your sensitive personal information as unprotected data in the company database. Perhaps your employer should mask that data via TANDsoft's Sensitive Data Intercept (SDI).

Masking data is not just for Halloween revelry. It is a 24x7, year-round effort to protect classified personal and sensitive data from individuals or groups not authorized to access it. With SDI, masked data retains its original format (SSN = 123-45-6789); yet it is altered in such a way as to make unauthorized detection and reverse engineering impossible (SSN = XXX-XX-X789). Without SDI's data masking, a security hole can represent an access point for a disastrous data breach.

SDI is best known as a solution that seamlessly intercepts HPE NonStop database access calls, then works with HPE, third-party, and in-house security products to protect sensitive data by encrypting / tokenizing data written to disk and decrypting / de-tokenizing data read from disk. TANDsoft's years of expertise in interception technology make it all happen without the need for any application modifications, of particular importance when the source code is unavailable.

Not all SDI customers require everything that SDI has to offer. In addition to its masking capabilities, SDI is relied upon for auditing/logging purposes. SDI intercepts all of a customer's database access calls and logs that access. Customers can see who or what is accessing sensitive data, the times of access, and what specific data is being accessed. In this case, no sensitive data is being encrypted or decrypted. Only database interception is taking place. Without SDI, auditing/logging is often manual, labor-intensive, and particularly challenging when companies must work with auditors for the purpose of regulatory compliance. SDI also is used for the purposes of fraud detection and security whitelisting from both internal and external sources.

SDI as a masking/auditing/logging solution can be purchased directly from TANDsoft. SDI combined with HPE SecureData protects your NonStop database. SDI also is embedded into the solutions of comForte and XYPRO, two major HPE NonStop security partners.

Currently, SDI is in production with several NonStop customers.

Sensitive Data Intercept (SDI)

Guardian/OSS applications

Logs NonStop DB Access
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Encrypt, Tokenize, Mask

Enscribe | SQL/MP | SQL/MX

Identify and Protect NonStop Sensitive Data
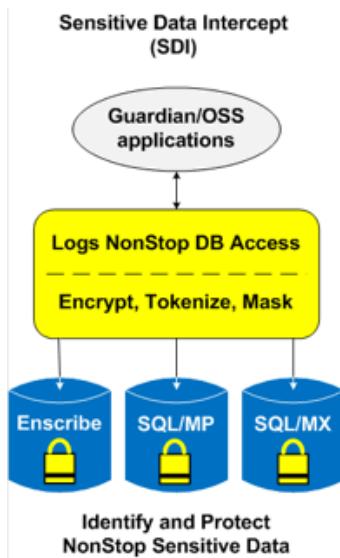
SDI Features and Benefits

- SDI is an Intercept Library available on all NonStop servers
- Supports NonStop Enscribe, SQL/MP and SQ/MX
- Supports NonStop Guardian and OSS, both native and non-native applications
- Transparent – no application modifications required
- Protects - offers additional seamless encryption and tokenization capabilities when combined with Micro Focus (formerly HPE Software) SecureData, NonStop security partner products, and others
- Identifies – logs all NonStop database access
- Data masking
- Helps organizations comply with government and industry regulations (PCI, GDPR)

TANDsoft will exhibit in the Partner Pavilion at the NonStop Technical Boot Camp, 12-15 November, Burlingame, California USA. We're Booth #41. Please make the time to attend "Identify and Protect Your Sensitive Data with Seamless Interception," our breakout session on Wednesday, 15 November, at 8:00 am.

In addition to SDI, TANDsoft solutions include FileSync for automatic file synchronization, replication, and data deduplication; the OPTA2000 virtual clock- and time-zone simulator; the OPTA suite of interception and trace utilities (OPTA-Trace Online Process Tracer and Analyzer, Recycle Bin, Low Pin Optimizer, and EMS Alerts Online Startup and Termination Capture Utility); Stack Monitor, which alerts developers to the impending threat of a stack overflow; Command Stream Replicator, which logs and automatically replicates TMF-audited/unaudited FUP, SQL/MP and SQL/MX DDL structure and other environment changes to target systems; AutoLib, which automatically loads a user library or a DLL for executing processes; the Enscribe-2-SQL and TMF-Audit Toolkits and the Enscribe-2-SQL Data Replicator, all of which offer flexible, affordable alternatives to more expensive conversion products or manual conversion techniques; and E2S-Lite, which permits efficient, low-cost Enscribe modifications without the need to change a program's source code.

For information about TANDsoft solutions, contact Jack Di Giacomo at +1 (514) 695-2234. Free trials are available. www.tandsoft.com. TANDsoft is an HPE Silver Partner.