Enhanced Security Module

PG Calc's Enhanced Security Module enables *GiftWrap* customers to meet the most demanding of enterprise and IT security requirements

The Enhanced Security module will ensure your security compliance.

- Gives you a variety of security feature choices.
- Enables compliance with industry standards.
- Available stand-alone or in a bundle.
- Easily configured and implemented.

PG Calc's *GiftWrap* is the industry standard in planned gift administration software. And as such, *GiftWrap* incorporates in its architecture design state-of-the-art security features, including:

- Base pages that authorize page-level access for each Web request
- Encryption of all web requests using Transport Layer Security (TLS) encryption
- Verification of all user-entered data for malicious script insertion
- Parameterized stored procedures and input parameter validation to protect against SQL injection

In addition, *GiftWrap* has two levels of data encryption, providing a strong deterrent against unauthorized access to *GiftWrap* data. The entire *GiftWrap* database is encrypted using Microsoft's Transparent Data Encryption, making *GiftWrap* database files unintelligible to an unauthorized person.

In addition, selected *GiftWrap* database fields are encrypted, including bank account number, social security, and date of birth fields. This field-level encryption ensures that sensitive information remains encrypted, even when viewed outside the *GiftWrap* application by staff with authorized access to the database

As a *GiftWrap* user, you can be confident that your valuable donor data is secure and will retain its integrity.

However, there are times when compliance requirements demand an even more comprehensive security solution. That solution is the *GiftWrap* Enhanced Security Module. This is an optional *GiftWrap* module comprising a series of stand-alone security features that will enable you to meet the most stringent of security requirements.

Enhanced Security Module

The Enhanced Security Module comprises a collection of functions that separately and in the aggregate enhance overall *GiftWrap* security. The Enhanced Security Module functions include the following:

- Hosting Options
- IP Filtering
- Enhanced Data Masking
- Two-Factor Authentication
- Single Sign On (SSO)
- Identity Access Management Data Feeds

Note that Enhanced Security Module functions are separately priced, and can be purchased in bundles, or on a stand-alone basis.

GiftWrap Hosting Options

The *GiftWrap* shared application platform incorporates a number of features that ensure overall data security. However, for those customers that require enhanced data or application segregation, we offer the following hosting options:

Sliver Level Hosting - Customer data is maintained in a separate database within the *GiftWrap* hosted database server. Silver Level hosting allows for the partitioning of an individual customer's data into a database that is physically separate from the shared *GiftWrap* database. This customer database shares a physical server with other *GiftWrap* databases.

Gold Level Hosting - Customer data is maintained on a separate physical database server, with a dedicated database instance and database. This configuration allows for the partitioning of customer data into an operating environment that is physically separate from the shared *GiftWrap* operating environment. This customer database and database instance will be installed on a separate server from the shared *GiftWrap* database. Access to the application is provided through a shared *GiftWrap* 4.0 application server.

Platinum Level Hosting - The *GiftWrap* application and data are hosted on dedicated servers. The *GiftWrap* application is maintained on a dedicated application server, and as such, customers have access to a dedicated instance of the *GiftWrap* application. Customer data is maintained on a dedicated virtual database server, with a dedicated database instance and database. This configuration allows for the partitioning of the *GiftWrap* application and customer data into an operating environment that is separate from the shared *GiftWrap* application and customer data operating environment. This *GiftWrap* application and customer database and database instance will be installed on dedicated virtual servers separate from the shared *GiftWrap* application and database.

IP Filtering

The IP address filtering feature allows for the filtering of source IP addresses upon user login, and then subsequently with each browser request. When this feature is activated, only users with valid *GiftWrap* credentials coming from source IP addresses that have been configured into the *GiftWrap* application will be allowed access to the application. Upon login, the user will be validated in the usual *GiftWrap* fashion. If the IP filtering feature is configured and turned on, the system will validate against a list of source IP addresses that have been entered into the client configuration. If no entries are made, the login request would be blocked. With each subsequent browser request, the system will authenticate against the list of source IP addresses in the client configuration.

Enhanced Data Masking

With the *GiftWrap* enhanced data masking feature, confidential data, including Social Security numbers, bank account numbers, and dates of birth, can be fully masked on all *GiftWrap* UI screens. In addition, Social Security numbers and bank account numbers are fully masked on all report previews rendered in the browser. Masking functionality is configurable at the Role level, enabling this functionality to be modified as desired by the customer.

When screen masking is turned on, sensitive data will be masked in the *GiftWrap* UI screens. When report masking is turned on, sensitive data is masked in the report preview window which appears in the browser. Exported and PDF versions of the report may contain unmasked sensitive data if the user has bypassed the report viewer and has access to view sensitive data on reports.

This feature also supports partial masking on PDFs for 1099s, etc. This option will display data fully masked if displayed in the report viewer, and data partially masked if displayed directly to a PDF or CSV document. Changing from full Enhanced Masking to Partial Enhanced Masking is done by PG Calc.

Two-Factor Authentication

Two-factor authentication enhances *GiftWrap* access security by requiring users to provide two methods (also referred to as factors) to verify their identity. These factors include something the user knows - *GiftWrap* username and password, plus something the user has – a smartphone or cell phone, a dedicated landline, a tablet, or a hardware token. When two-factor authentication is enabled, *GiftWrap* users must enroll upon first login, during which the user can select among phone call, text message, or push as their preferred method of receiving the numeric key required for login. This feature is set up and turned on and off in the *GiftWrap* application on a per-user basis.

Single Sign-On (SSO)

Single sign-on (SSO) provides the capability to authenticate once, typically via an application portal, and be subsequently and automatically authenticated when accessing target applications, such as *GiftWrap*. SSO eliminates the need to separately authenticate and sign on to individual applications.

With this feature, the *GiftWrap* authentication process is integrated into the SSO infrastructure of the client organization, based on the SAML 2.0 standard. As such, once a user is logged in to their enterprise application portal, they may access *GiftWrap* without explicitly entering a username and password.

Identity Access Management Data Feeds

This function comprises a custom data feed, in the form of a plain text file, that provides updated user access data from the *GiftWrap* database for import into enterprise IAM systems at the customer site. The IAM Data Feed enables enterprise IAM systems to remain current specifically with respect to *GiftWrap* user access data, ensuring only authorized access to *GiftWrap*. Implementation of the IAM Data Feed typically requires specification of data elements to be included in the feed, and is delivered in the form of plain text files (e.g., CSV or XML) via secure FTP.

For more information on any of these security features, and for pricing, contact PG Calc at 888-497-4970, or support@pgcalc.com.