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WeGuardYou Express™

weguardyou.com

TABLE OF CONTENTS

1	SUMMARY	1
2	MISSION	1
3	HOW IT WORKS	2
4	KEY FEATURES AND BENEFITS	3
5	SUMMARY	6

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EXECUTIVE SUMMARY

There can be little doubt that the Internet and “e-business” are revolutionizing our world, both on a commercial and social level. The use of the Internet will continue to grow as more robust technologies are put in place. Today’s businesses, private citizens and governments have no choice but to embrace the Internet in an effort to remain efficient and competitive.

This dynamic electronic forum is constantly being tested in every area. Today, hackers, corporate spies and even children are using extremely advanced methods of information gathering. Simple tools exist and are freely distributed which allow even a novice to eavesdrop on your Internet communication. Every unsecured transmission that takes place via the Internet is subject to tampering or interception. This situation is unacceptable; your private data must remain so.

This is the express purpose for which WGYExpress was designed. WGYExpress supplies its users with bulletproof, secure email and file transfer.

This paper provides an overview of the WGYExpress product and how WeGuardYou.com’s unique technology provides complete protection and control of e-mail messages.

MISSION

To create a secure, real time solution for data transport.

Why is this necessary?

In this age of electronic piracy, WGYExpress is fulfilling a basic need. Daily, millions of transactions (i.e. Email messages with file attachments) are compromised. This eavesdropping, to put it politely, is not limited to the hackers of old. Today, even the Federal Bureau of Investigation performs inspections on unencrypted email transactions using their latest in packet monitoring technology (Carnivore).

By 2001, it is estimated that companies will be sending over 40% of their business correspondence electronically via e-mail. The course is clear; the need for a secure email and file transfer technology has been defined.

What is the solution?

By becoming a subscriber of WeGuardYou.com and installing the WGYExpress software you become part of our Internet based VPN (Virtual Private Network). Via the WGYExpress package, we have created the means to traffic all email and file transfers in real time with the most robust security encryption available in the market today.

What is WGYExpress?

WGYExpress is a software product that allows authenticated e-mail users to guarantee the secure delivery of electronic mail or files to another specifically authenticated person. The technology is designed in such a way that it is impossible to retrieve an email unless you are the specifically authenticated recipient.

For the Techies ...

The strength of the WGYExpress technology takes its shape in the following manner:

Clients are required to become members of the WGYExpress family. Membership is consummated by the end user completing a secure online form. The end user will be required to complete this registration from the particular computer where the WGYExpress software will be employed. The new subscriber will then download the WGYExpress Client Software and install it. Once the WGYExpress package is installed, the software client is authenticated and its default decryption key is dynamically changed.

This process of altering the decryption key will be completed each time a connection is established with the host system and also changed dynamically during connection.

Authentication is performed using one or more of the following methods:

- * Caller ID
- * TCP/IP Source Address and route verification
- * Username and Password
- * Map of the Client Hard Drive
- * Smart Card Technologies
- * Verbal or Visual Authentication Technologies

Special Note: Hacker attacks such as Spoofing, Trojan horse, Sniffing, Hijacking, Viruses, Email Bombing, Spamming, Dictionary Attacks, Denial of Service, Data Diddling, Man in the Middle Attacks, Replay Attack, Rubber-Hose Cryptanalysis, Chosen-Key-Attack and Port Scanning are eliminated completely at the moment of connection authentication. Please see the attached document "Hackers Menu: Intrusions" for description of attacks and defenses.

After the establishment of the secure connection between client and host, the client may conduct secure transactions using the custom WGYExpress interface. The following steps apply to the secure transmission and storage

of data on the WeGuardYou.com system.

Client initiates an email or file transfer transaction with the WGYExpress software. This option covers both the receipt and transmission of data.

The client software communicates with the WeGuardYou.com Host system and a custom encryption is generated for each individual transaction.

Finally, the client may create, transmit or receive the data using WGYExpress' layered security. The layered dynamic security employed by the WeGuardYou.com system provides a secure "pipeline" of communication between client and host. This sanctuary from data attacks is entirely secure due in part due to its client interactivity and dynamically shifting encryption structure.

If the intended recipient(s) are not members of WeGuardYou.com then a non-encrypted message is sent to those non-members to alert them that a member of WeGuardYou.com desires to send them a secure transmission. The recipient of that message will then be prompted to join the WeGuardYou.com service in order to receive the original message.

Recipient uses the WGYExpress client software to view any received data. The same attention to security is given to the recipient as the originator. Finally, a receipt is sent to the sender showing the status change of the transmission.

KEY FEATURES AND BENEFITS

Resistance to FBI Carnivore Diagnostic Tools

The architecture of WGYExpress makes it impenetrable to all types of Packet Analysis tools. All transmissions are routed through a secure tunnel of communication, which is impenetrable to this method of attack.

24 Hour Real-Time Monitoring

The personnel at WeGuardYou.com proactively monitor all equipment and connections to ensure a secure, fault tolerant environment. Our monitoring facility is operated 24/7/365. This allows for full-time customer care.

Intrusion Detection - Port Scanner

The WGYExpress product has an optional Port Scanner /Port Securing Utility. This creates protections from such products as Back Orifice. In the past, these products (cracks) have undermined security efforts at the source of a secure transmission.

Firewall Compatibility

Most organizations with uninterrupted Internet connectivity maintain a Firewall. The WGYExpress product is compatible for use with Proxy servers, Firewalls and routers using the Nat architecture.

Multi-level Authentication

The multiple levels of Authentication outlined above (in "How it works ") guarantees that the client who logs into the WeGuardYou.com system is indeed "who they say they are." This is one of the building blocks by which WeGuardYou.com bases its security.

Security Services - Penetration Testing

The staff at WeGuardYou.com is constantly reviewing security and backup security procedures. The WeGuardYou.com system has never been breached.

On-The-Fly Encryption

The WGYExpress offers a seamless interface for file and email encryption. A transaction is created just as it would be in any industry standard email client. The End User only needs to send the message to a recipient and all the encryption is completed automatically. There is no need to set up complicated Digital ID 's or Certificates.

File Encryption

All the file encryption takes place once the End User sends the email (and Attachments). The WGYExpress software uniquely encrypts the message content and files. The encryption is designed in such a way that even the sender cannot decrypt the message after it has been sent.

Guarantee Delivery with Data Integrity

The secure nature of the connection coupled with the unique encryption of each message and attachment allows WGYExpress to guarantee that the message and its contents will arrive tamper free. The proprietary method of encryption also provides that the intended recipient is the only entity that may decrypt the message.

Session Encryption

WeGuardYou.com uses perhaps the most secure session encryption available today. The sessions between Client and Host are secured using a high level of randomly modulated encryption. This guarantees that even if the code for a session were broken, that code would be obsolete in a matter of seconds.

Work Offline

WGYExpress does not offer a "Work Offline "mode. Our focus and guarantee is to provide a secure means of transport for your text messages and attachments. For all parties to be successful in this endeavor we ensure that a secure communication between the host and client has been established before the sending of the message. This takes away any opportunity for a hacker to steal data from your local machine. All the mails and attachments are sent after a secure session has been established.

Single Sign-On

WGYExpress makes security easy. All the authentication work is being

done by the system. All that the user need do is enter their password into the client software screen! The system takes care of the rest. Negative authentications and hacking attempts are reported to the 24-hour monitoring station and appropriate action is taken.

Plug-In for Common Email Applications

The WGYExpress product works with any email address and any mail client software.

Message Expiration

The ability to automatically expire unread messages is built in to the WGYExpress product. When a message is created the default expiration time may be adjusted. This will allow for more immediate destruction of time sensitive material or allows for extended time in the case of long-term unavailable recipient, such as on business trips or vacation.

Track Delivery and Download Status

From the beginning it has been necessary to know the status of your package/message. WGYExpress provides a message status to the sender to ensure you are aware of the status of your message.

Compatible with Windows 95,98,2000,Millennium and NT

Currently WGYExpress is offered in the above listed Windows formats. Other versions currently in the works include Apple/Macintosh, Linux and Unix. For a more detailed schedule of releases please visit our website at www.weguardyou.com

Copy and Print Control

Many services claim to allow for the complete control of Cut, Copy and Printing of any message or attachment. It is common knowledge that once downloaded a message may be read, copied or printed by a variety of methods. There are no blockades for low-tech methods such as taking a picture of your computer screen where the message is displayed. WeGuardYou.com wishes to dispel this urban legend. It is impossible to control a message once it has been removed from the WGYExpress system.

Unreadable by packet based Virus Scanning products.

WGYExpress allows users to attach any file to a protected message. Once encrypted and signed, the message cannot be accessed or altered in any way during transit. When the recipient accesses a WGYExpress protected message and opens the attachment, the desktop virus scanner is normally configured to launch and check for viruses. If the virus scanning software is implemented as a gateway, all WGYExpress protected messages will not be checked because they are encrypted.

SUMMARY

WeGuardYou.com and the WGYExpress product offer the best solution for securing and guaranteeing delivery of information.

In the past, individuals and organizations have trusted that once the information is sent it will find its way to the delivery point unscathed. They believe it will not be exposed unintentionally or otherwise be accessed by the wrong audience. WeGuardYou.com is the only company in the world to offer products that guarantee information integrity and security.

The experienced professionals at WeGuardYou.com have spent years developing the robust level of functionality and security contained within WGYExpress. This painstaking process guarantees that a message (with data attachment) will be securely delivered to a specifically addressed and authenticated recipient. WGYExpress provides a secure base from which to traffic mission critical data.

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