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EMAIL ENCRYPTION AND ITS IMPORTANCE

Article from [Revalsys Technologies](#)

This article explains about the
importance of Email Encryption

Email is one of the most common ways of communication and for businesses emails are of vital importance. Businesses use emails to communicate with clients, co-workers and other people related to the business.

However, email messages are not secure. As email messages are sent in plain text across the internet and local networks, hackers can gain access to your personal or official communication and snatch the messages. This is where the importance of email encryption is felt. But what is email encryption all about?

Email Encryption

In general terms, email encryption is the process of changing messages in such a way that it becomes unreadable. It can be read by the ones who have the knowledge of changing the message into its original form.

Emails can be encrypted with the help of a digital signature mechanism that uses both private and public keys. The private key is kept private while the public key is shared with everyone.

The commonly used email encryption protocol includes:

- Identity-based encryption
- Mail session encryption
- PGP (Pretty Good Privacy)
- TLS
- S/MIME (Secure Multi-Purpose Internet Mail Extension)

Incorporating email encryption software into your business means the confidentiality and integrity of email messages and attachments are protected while in transit or in storage through this specialised security technology.

With email encryption, data and information are kept private with no worries of information falling into the wrong hands. Though this technology is not new but the tools available nowadays with email encryption software have made the usability of email encryption even better.

Benefits of Email Encryption

Find below a few important benefits that your organisation can achieve through email encryption:

- **Protect sensitive information**

One of the most common but important reasons that companies encrypt emails is to protect sensitive information. When you send information over emails regarding business deals and finances, it's important that messages don't reach into wrong hands.

With email encryption, the ones with the decryption keys can read the message contained in the email leaving no risk of the information getting leaked.

- **Email recall**

In a small business, when it comes to dealing with employees there are many things that may go wrong and cost you money. What if your HR manager's email account is hacked or if the HR sends insurance information accidentally to the wrong employee?

With email encryption not only your email gets encrypted but it also allows you to recall the secured email whenever you want.

- **Protects from inside threats**

Email encryption is not only a safe way to protect data between employees, business partners and customers but also protects internal emails and other insider threats. It acts as a shield against potential intrusions from malware, as well.

With email encryption, internal data is protected as company insiders can also turn out to be malicious.



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