



cyberTAN
Information Security

EMAIL SECURITY MADE SIMPLE

Galaxkey provides an identity based email content security solution. When a user registers with Galaxkey, a security identity is created which is associated with the user's email address. This identity is managed and stored by Galaxkey in the cloud and is accessible to any Galaxkey enabled client on proper authorisation and authentication. The identities on the platform are completely secured with user provided unique credentials; ensuring secure user access. The administrators of corporate users have full control of their corporate user's identities and data.

With advances of networking and communication technologies, e-mail has established itself as a formal communication medium. E-mail as a medium has gone past the mere communication tool and is being used for communicating confidential information including official documents ranging from notices, invoices and confirmations to name a few. These developments also raise issues surrounding email security and privacy of data. E-mail is highly susceptible to various forms of attack, starting at the e-mail source point, onto the corporate server, including the stages in between, to the recipient's server and finally the destination point. The risk of attack increases multi-fold at each point. There are various solutions offered to counteract these vulnerabilities at various points. These solutions offer a partial solution. However, a robust solution that is able to address all the vulnerabilities and still maintain ultimate control with the end user, the sender and receiver is desirable. This is the solution Galaxkey provides.

Galaxkey offers security solutions using state of the art technology to secure e-mail end-to-end and not only in transit but at the source and at the destination while maintaining control with the end user through proper authentication.

Galaxkey Add-in

The Galaxkey Add-in is a Microsoft Outlook Add-in which transforms Outlook into a Galaxkey enabled client. The

Add-in integrates with Outlook seamlessly and enables the user to send and receive secure emails. The Galaxkey Add-in provides the following features:

- Allows users to send and receive secure emails. Enables the user to secure emails in the store (Exchange and IMAP folders).
- Supports both corporate and individual accounts.
- Supports corporate policy implementations.
- Stores secured emails in sent items which can be viewed.
- Enables viewing of secure emails without compromising the security of originally secured email.
- Provides the interface for viewing emails on any browser enabled device using Galaxkey Web Access.
- Complication free installation. All identity management is in the cloud and is managed by Galaxkey transparently.

Galaxkey Web Access (GWA)

The GWA is a web based Galaxkey client, which enables the user to view secured emails. Since GWA is web based it can be used to view secured emails on any browser-enabled devices including iPhone, iPad, Blackberry and



Android. The GWA can be hosted in-house for corporate accounts or users can opt to use the Galaxkey cloud based service.



2015 saw 781 reported breaches, which exposed approximately 178 million records
Source: Identify Theft Resource Center

Galaxkey Native Mobile Clients

Galaxkey provides native mobile clients for Apple iOS (iPhone and iPad), Blackberry and Android devices. These apps work seamlessly with the Galaxkey framework and provide the ability to read and send secured emails.

Galaxkey Appliance

Galaxkey is also available as an onsite appliance, which can be setup in corporate networks. This is perfectly suited for corporates who do not want to expose their private keys to the outside world. The appliance provides a hybrid solution, which hooks into Galaxkey in the cloud and takes advantage of the invitation model seamlessly.

Features & Benefits

Quick Deployment & Easy Operation

Within minutes Galaxkey can be deployed within a corporate environment. Securing your email communication is as easy as installing a simple application on the client machine. Galaxkey is completely transparent, working in the background relieving the corporate and user of any key Management complexities.

Secures Entire Email Content

Galaxkey secures the entire email content including attachments. Galaxkey is able to secure emails in mail folders as well, allowing the user to secure previously received emails. Galaxkey provides a complete end-to-end solution and not only security in transit. The email is immediately secured when sent and is only made readable at its destination through proper authentication and authorisation.

Security Encryption

Galaxkey uses FIPS 140-2 compliant encryption security modules. FIPS 140 is a US Government standard that defines a minimum set of the security requirements for products that implement cryptography. This standard is designed for cryptographic modules that are used to secure sensitive information. The encryption modules can be safely run only in FIPS enabled environments. The system uses 2048-bit RSA Keys.

B2B and B2C Supported

Galaxkey provides a secure architecture to support both. Business to Business and Business to Customer. You can choose to ask your peers to receive secure emails, even if they are not registered Galaxkey users. Galaxkey manages the entire registration process to enable recipients to receive secure emails.

Invitation Model

Using Galaxkey you can send invitations to new users on the fly. The Galaxkey clients provide the mechanism to send invites as you send emails.

Administrative Control

For corporate customers, Galaxkey provides a perfect solution for administrators to manage the keys. Galaxkey has a unique model whereby the administrators can access mails of employees with employee notifications on access. The solution provides a perfect tool for corporate administrators to keep control of employee data in case the employee leaves the company.

System Requirements

Since Galaxkey is a cloud based solution, it does not require additional hardware or software on your premises. The Outlook Add-in currently supports Microsoft Outlook 2003, Microsoft Outlook 2007, Microsoft Outlook 2010 and 2013 - both 32 bits and 64 bits. Galaxkey Native Mobile applications support iOS Versions 5.1 and above, Blackberry 6.0 and 7.x and on Android 4.0 and above.

Who is GalaxKey?

Galaxkey provides a secure encryption platform that makes data security easier for users to encrypt files, emails and cloud storage, while maintaining full control of the access and storage of their data.



Who is CyberTAN?

CyberTAN is a data security specialist focused on providing steadfast, organised and well structured data security guidance and solutions. Protecting your critical data is crucial to remaining competitive and to do this we provide strategic clarity and direction using a combination of consulting and customised solutions to help you make informed decisions. Security threats target all forms of technology, come in any form, come from any angle and a good security strategy looks at both ends of the security spectrum – inside and out. Whether you're a small business or major enterprise CyberTAN can assist you to find a cost effective, fit-for-purpose data security solution to meet your company information security objectives.

How can I find out more?

Contact Andrew Kirkland @ CyberTAN Information Security on +27 83 636 0099 or akirkland@cybertan.co.za to discuss how we can help you to secure the data you are storing and sending between yourselves and your clients.

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