# Send, Store, Share…Securely

**The PrivateSky Secure Information Exchange (S.I.X.)™ platform, powered by CertiVox, uses breakthrough, patent(s)-pending Incognito Keys™ and certificateless encryption technology to provide fast and easy-touse protection for emails, files and other information sent via the cloud through a unique HTML5 browser based two-factor authentication process.**

PrivateSky solves the myriad of security risks and issues with cloud computing; fundamental challenges that technical experts have been trying to resolve in a usable way for years. With its leading-edge key management technology, PrivateSky™ has taken the hassle out of Internet security, making it easy for users everywhere to securely exchange information across all things Internet.
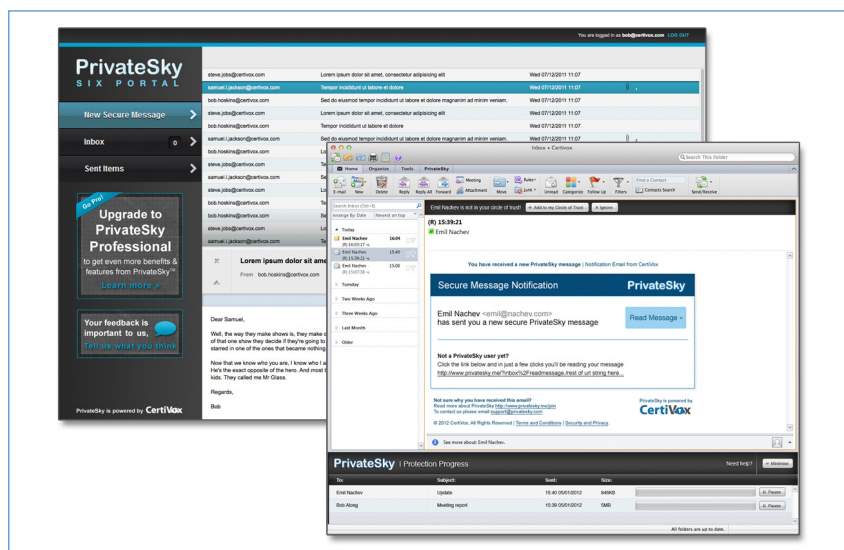


*PrivateSky S.I.X. Portal and PrivateSky Outlook Connector*

## PrivateSky™: Different than Those Other Cloud Service Providers

The PrivateSky™ platform is first in the industry to provide an integrated, built-in key management functionality that encrypts a user's data on any platform and any device, before it is moved to the cloud for storage and use. Encrypting data before moving it to the cloud is the only way a user can guarantee that his or her data is not seen or accessed by the cloud service provider, or by other users of that cloud. Unfortunately, the encryption key management process is still challenging and complicated, despite good attempts by other security companies to make it easy.

PrivateSky™ is different because it really is easy; encryption is completed with one-click and the integrated key management is invisible to the user. By leveraging the power of HTML5, encryption is completely browser based with no software required.

## Company Overview

### About CertiVox

Founded in 2008, CertiVox solutions deliver simple, powerful information security to all things Internet, protecting business and individual privacy through the cloud and at rest.

CertiVox's MIRACL Crypto SDK, on-demand encryption Key Management Service (KMS) and Identity Management Service (IDMS) enable cloud service providers, independent software vendors, communication providers, smart device and semiconductor manufacturers to secure their voice and data communication solutions with ease.

CertiVox's Secure Information Exchange (S.I.X.) service enables individuals, businesses and their partners and customers to quickly encrypt email, files and documents without complex infrastructure or user burden. Compliance with mandatory encryption and privacy statutes has never been easier.
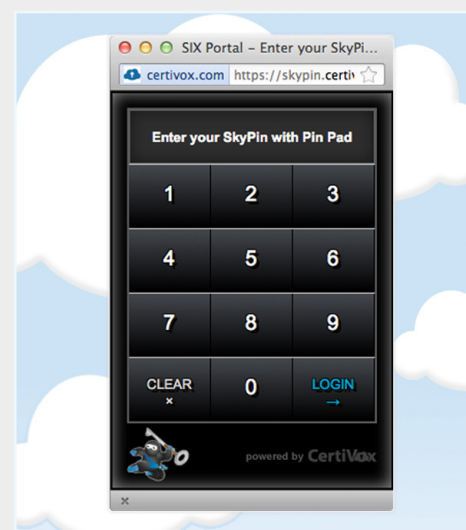


*SkyPin™ pad*

### Security

- NIST Suite B: AES-GCM FIPS PUB 186-3
- IEEE P1636.3™/D1: SK-KEM
- IETF information standards: MIKEY-SAKKE
- IETF informational standards: ECCSI
- Digital Signatures

Most users are lulled into thinking they are secure through their https / SSL Internet connections. This simply isn't true. But adding PrivateSky™ into the mix guarantees complete, no-nonsense security. A user will never have to change his or her workflow to encrypt messages, data and files; there are no cumbersome steps, no certificates, and no hassles.

## Incognito Keys™: Authentic Incognito

CertiVox's revolutionary certificateless key management service gives users complete control over their encryption keys. The Incognito Keys™ technology makes available the right encryption key, at the right time, to the right user when it needs access to data as it comes out of PrivateSky™ Data is never decrypted inside of the PrivateSky™ platform, even when sharing and distributing it with multiple parties.

Unlike other cloud service providers, CertiVox cannot access a user's encryption keys or a user's private data or files. A user, and his or her encryption keys, remains completely incognito, even to CertiVox. Only a user and his or her intended recipient can access the data and files that are shared.

A unique 4-digit SkyPin, powered by Incognito Keys™, is initialized by the user which they can change or reset at any time. The patent-pending SkyPin provides the world's first true 2-factor authentication for HTML5 browsers without requiring additional software or hardware. This personalized SkyPin authenticates the user and grants access to their data providing state of the art protection against phishing, pharming, man-in-the-middle (MITM) and man-in-the-browser (MITB) attacks.

## PrivateSky™ S.I.X. Platform: Unbreakable Security Made Simple

PrivateSky™ makes security simple, even though the technology behind it uses state of the art cryptography and DNSSEC security. There is no need to agree upon platforms, certificates, or purchase expensive software. PrivateSky™ can be used on any platform with any device that has an HTML5 browser, including tablets and smartphones. It also is available for Outlook via a free, optional Outlook Plugin.

Users can also establish multiple identities to keep their work and home files separate. To synchronize data between devices, or just store sensitive data in the cloud, a user need only send the files/s to him or herself.

But its simplicity shouldn't mask the true power behind PrivateSky™. Cryptographically speaking, with PrivateSky™, there are no back doors. For enterprises and professional business users who must comply with rigid internal security policies and industry or regulatory data protection mandates, as well as all computer users looking to safeguard their privacy, PrivateSky™ is the only solution on the market that meets the most stringent policy requirement of all; your data is secure, even from CertiVox.

## System Requirements

### HTML5 Browsers:

- I.E Version 10
- I.E Version 6.0 and above supported with Google Frame
- Firefox
- Chrome
- Safari
- Opera
- iOS Safari
- Opera Mobile
- Android Browser

### Outlook Connector:

- OS: Windows XP – 7
- Outlook: 2007 and above

### Further Information

Please visit our website to find out more about our value proposition, read press releases, watch videos and download case studies.

www.certivox.com

### Contact

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## "Frictionless end to end data security for the web 2.0 world"