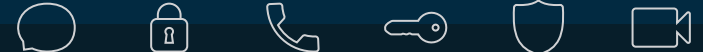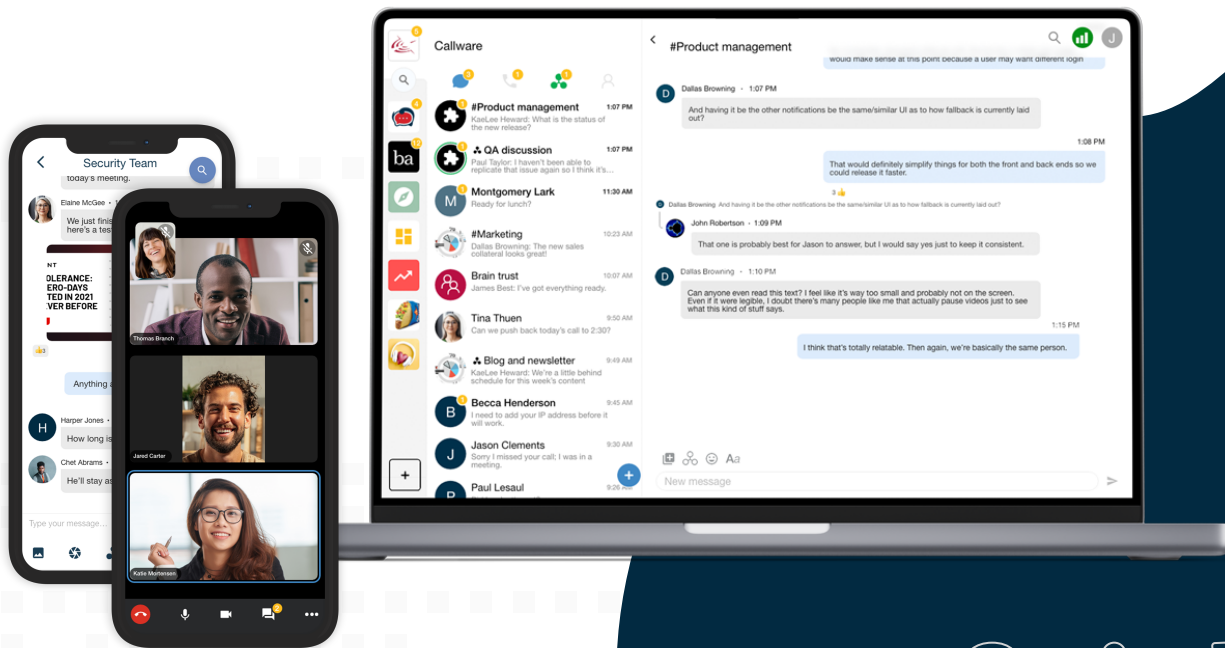# The Key To Secure Communications

lochbox
CYBERSECURITY COMMUNICATIONS

lochbox

Lochbox is the secure communications solution missing from your cybersecurity toolkit. Lochbox offers protection way beyond the basic defenses of today's most popular communication apps via the exclusive ownership of your encryption keys. Control the keys, control the access.

What is Lochbox?

Lochbox is a secure communications app available for iOS, Android, and web that features messaging, calling, and meetings. When paired with an independently maintained key server, all encryption is controlled by the account owner so only those they authorize have access.

Why should you care?

Encryption has become a buzzword that, unfortunately, doesn't mean much if the service provider is the one who stores your data and encryption keys. With communications being one the most vital parts of your operations and one of the most common origins for security breach you can't take any chances by leaving yourself exposed.

Using a foundation of Zero Trust Architecture, Lochbox eliminates such vulnerabilities by ensuring that only you are in control of your communications.

Zero Trust Architecture (Us vs. Them)

	Lochbox	Slack	WhatsApp	Signal	Telegram	Microsoft Teams
A	✓					✓
B	✓	✓			✓	
C	✓			✓		
D	✓	✓		✓	✓	✓
E	✓	✓				
F	✓					
G	✓	✓				✓

A) **Independent device tracking -** Tracking of the device, not just the user.

B) **Second factor authentication -** Allows the use of third-party authenticator apps.

C) **No cross-device sessions -** All device sessions must be independently validated.

D) **Encryption at rest -** Content is encrypted on service provider's servers.

E) **Independently controlled key server -** Encryption key access is under the sole discretion of the account owner.

F) **Requires mTLS -** Both user and server require mutual verification of each other's TLS certificate.

G) **Industry security compliance -** Meets major security/privacy compliance standards like HIPAA, Sarbanes-Oxley, etc.

The key server difference

Today's most popular communication apps boast end-to-end encryption for data in transit and at rest while neglecting to disclose that they also have access to the encryption keys. If you don't control the access then you have no guarantee of who does what with your content.

A primary benefit of the Lochbox platform is the ability for a business to have exclusive control over the encryption keys for their organization. Lochbox supports key server functionality via cloud servers like AWS or a physical appliance kept on location by you.

Dealing with sensitive data?

Non-compliance to industry security standards doesn't just put your customers, clients, and vendors at risk, it puts your whole business at risk.

Been hacked?

A compromised network is an exposed network. Take your remediation conversations to an app that's basically on your own private network to make sure you get (and keep) the situation under control.

How you might use Lochbox

Messaging, calls, and meetings

Lochbox features group chats, private messaging, 1:1 voice and video calls, as well as invite-only meeting rooms. Unify your company communications and keep everyone connected in one hyper-secure space.

Teams vs. individuals

Conversations relevant to entire departments or smaller teams can all be segmented so only those that need to know are involved. Likewise, one-on-one conversations only involve the intended participants.

Employees vs. clients/customers

Lochbox is a great way to protect conversations between employees or to help employees communicate with clients and customers. User permissions make it so anyone invited to an organization can only engage in the actions that an admin wants. Don't want clients calling employees or having access to all the organization's contacts? No problem.

Retention policy and data protection

By using a user controlled key server, all your user data is owned by you. The digital paper trail of any action is accessible to you in the event it's needed (e.g. legal action).

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