



TRUSTED FAMILY

TF2.0 ENCRYPTION SYSTEMS

OVERVIEW

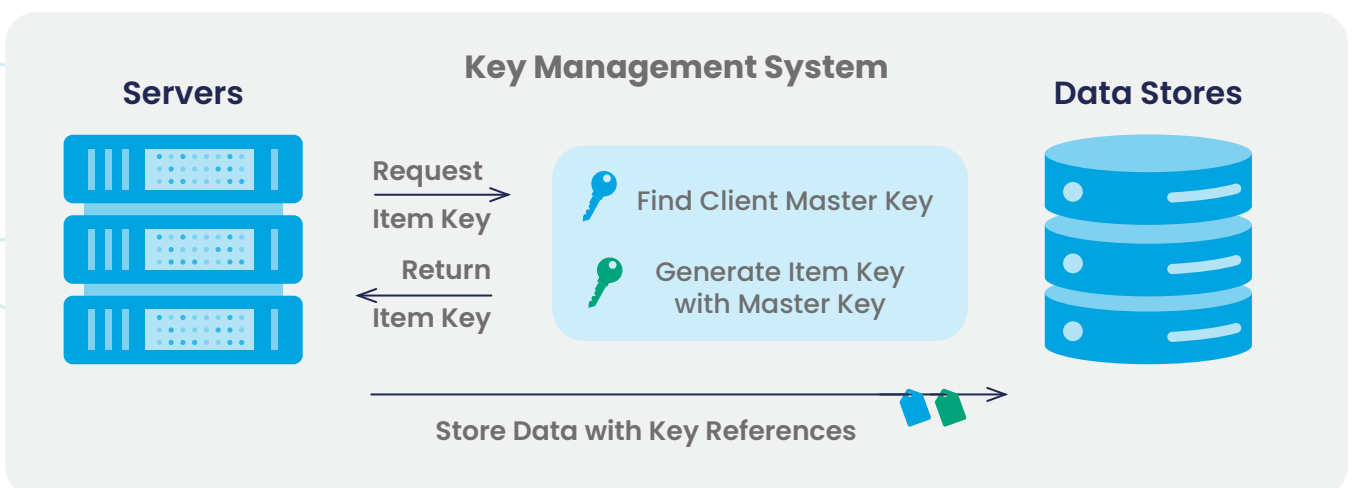
Our encryption systems start from using encryption of data during transit and encompass encryption of your data during storage, at rest, and for our backups as well.

This holistic approach to encryption ensures the safety and security of your data from any and all unauthorised third-parties not only during transfer to and from our application but once it has been entrusted to our infrastructure as well.

ENCRYPTION – IN TRANSIT

First, all communication with the application and supporting services goes over HTTPS using TLS 1.2 or higher. This encryption tunnel secures the data from any and all unauthorised viewers. The health of our HTTPS is continuously monitored using SSL Labs.

ENCRYPTION – IN USE AND AT REST



Data is encrypted “in use” implies both database records and files are encrypted before being written to disk. All data items are encrypted using an Item Key which is generated using a Master Key per customer. Furthermore, only references to the Item and Master Keys are stored, and both are required in conjunction with the Key Management System in order to decrypt the data.

Example of encrypted data store

name_ciphertext	email_ciphertext	email_bidx	roles
E8ZnvGAVZXQmimHZI3HjzG39CKjdKviqZqPf9KNEF4D3EPHjI6FIN7w=	blu4AvhYCe10weHSRoqlaORv4Ud+ssvHunapAK0ykkjGpOV5J9NhX4R72Yy+bhq9493RjDf	P8KKN/MsjYm17HTYm17HTYIvhDjbkKO...	(member)
NAt7eeCe5Xvq7WWF+6YGuToV2OYO+btpqWlib2JLowlib2JLow/gPBITyCSruYltj	IG74nPoNrtRINvPF42a044GksKyVDiNESiuPBFaMOj4rtudo/Niqxwcp0b4XXjf/20zZxlc...	2OcGUEt41t6cfnyDscnwwXKn2/3gr2C3cZUaj09X8Rg=	(member)
Dib/EXXJ7eX/k/U83Wj2j5x3loalqy3ZKKyvEYT7ULNDGgq7V...	kfHV2lLoOFUK39poiMmWeGN8o7WFg5N2ausAQBjLdBkfQjKM+PQ9MyYRavMA8I4SgSg...	N8IJWjkWMnOK4RbdB2dltGdY2Mtotqi+XXzlsCATLlg=	(member)
KYYkhISNyJXIs/Hht127ojmQT9f9tZ3zjyAZsCoXdQ155pocap...	nQdu+LX5wYfhHI5dSa5dSA5E3q4YltpzwLLt9luXdNeV6DGMErayx/OobBLVG7j6BRJzmrWpjiph...	Uxm0CmlldLaqJX+hBd7AsXsz8gXnXMGx6YULfRvVl...	(member)

In practical terms, what this also means is that even if our industry-leading and vetted infrastructure partners were to be compromised, your data would still be unreadable.

ENCRYPTED BACKUPS

Our backups are incremental and at least two (encrypted and anonymised) backups are taken daily by two independent (or redundant) systems that backup data to two geographically different locations. Since the data is encrypted “in use” before being written onto disk, the backups are implicitly encrypted as well.



DATA DELETION

When data is deleted from our system (e.g. on termination of contract) we delete the encryption Master Key key with it, thereby removing all Item Keys also. This makes all primary data stores (for the customer) instantly unreadable. And results in the customer's backups also becoming unreadable, making the solution even more secure.



ABOUT US

Trusted Family is an award-winning technology platform serving the world's leading family businesses. Founded by two next-generation entrepreneurs from European business families, the company leverages a decade of industry expertise to help multi-generational family businesses thrive and achieve sustainable, long-term success.

Trusted Family offers a single, secure and centralized governance platform, enabling directors, shareholders, family members and their close advisors to easily connect, communicate and collaborate from anywhere, at any time, on any device.



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