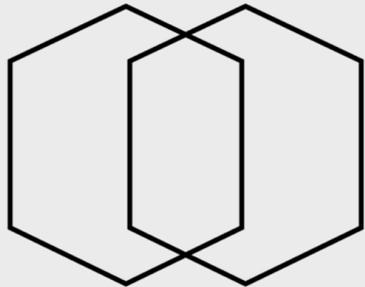




**Easiest & Safest  
Way to Protect all  
your Sensitive Data**



**ZORTREX**  
21<sup>st</sup> Century Data Security

**How using tokenisation can  
help reduce compliance scope  
and augment your data  
compliance strategy?**



In the current landscape you cannot prevent cyberattacks,  
BUT  
You can make the stolen data **valueless** to thieves.

1

### Customer Database



Clive Bailey

Male

1984/07/12



Ryan Collins

Male

1959/02/19

2

### Zortrex Tokenisation



Clive Bailey

Male

1984/07/12



Ryan Collins

Male

1959/02/19

3

### Zortrex SQL Database



^#%. \*^#S\*#

^#S\*#

^#S\*#



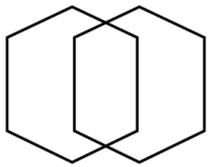
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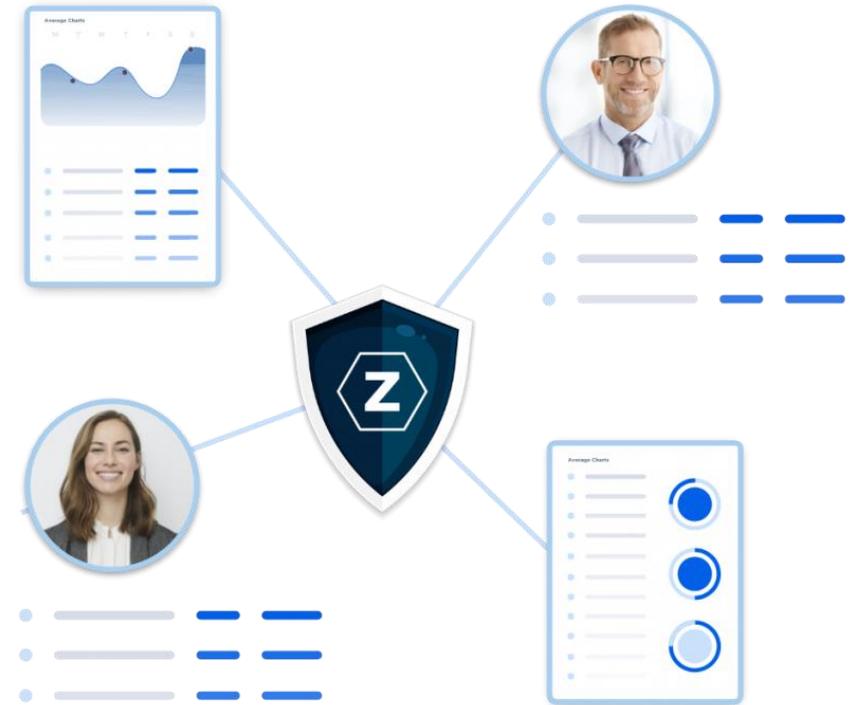
- Tokenisation replaces confidential sensitive information with randomly generated substitute characters (a token),
- Placeholder data, mitigates the impact of any cyber-attack by devaluing the data making it useless to hackers.

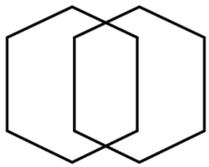
**As the threat landscape becomes more sophisticated, tokenisation platforms will be key to setting the leaders apart**



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- **Legislation** Regulations as GDPR are forcing organisations to re-think how they store, secure and process customers' data. the threat of fines - up to 4% of global annual turnover or €20million.
- **Reputational risk** Data breaches damage customer trust and can dramatically negatively impact a brand's reputation, share price and corporate viability.
- **Defending against online fraud** Encryption alone won't cut it. Cloud technology such as Azure, AWS and Google can make breaking low level encryption trivial. Couple this with lax or poor encryption key storage and supposedly secure data, is at risk.

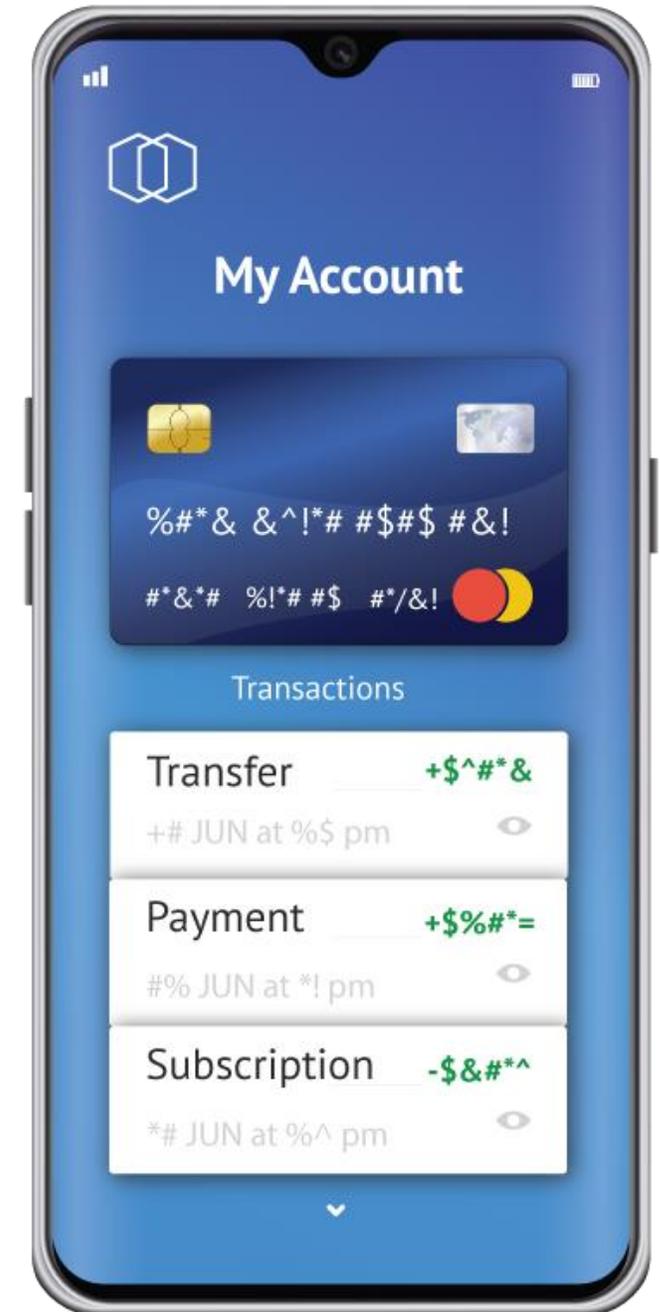


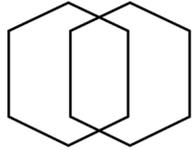


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## Improving compliance

- Minimising the number of systems accessing credit card information can reduce the scope of Payment Card Industry Data Security Standard (PCI DSS) compliance, cut costs and lower vulnerabilities to a security breach.
- Tokenisation platforms close the security gaps and mitigate the risks, removing the reliance on encryption keys so organisations don't have to worry about managing sensitive data in many systems.
- Security travels with the data while it's at rest, in use and in motion. As a result, no additional security methods are required to provide protection when tokenised information leaves an organisation.





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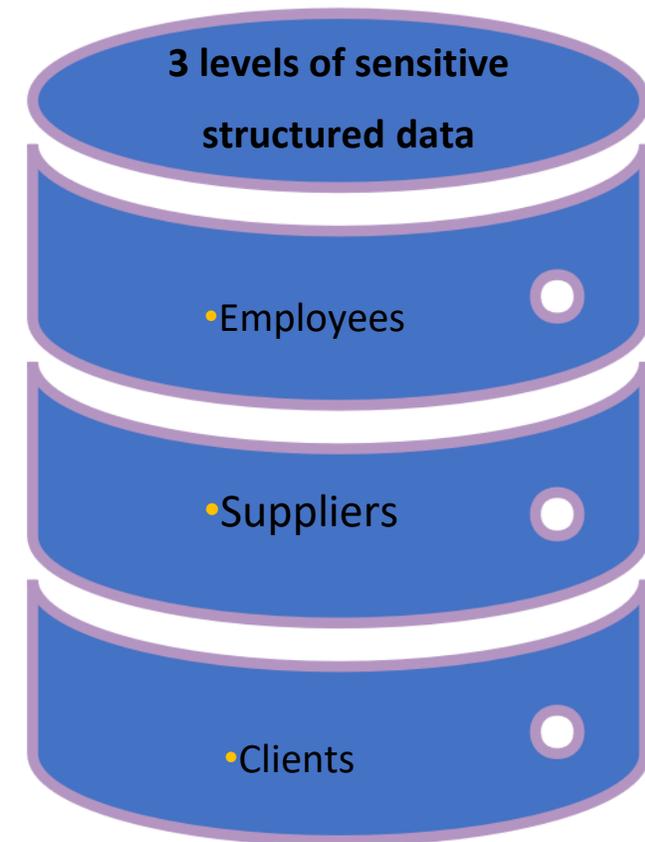
## Improving security and compliance

- Tokenisation reduces the burden of managing a Cardholder Data Environment (CDE) by ensuring that internal systems are clear and remain free of sensitive information, saving costs associated with PCI DSS compliance.
- Tokenisation reduces data compliance scope, such as GDPR and PCI DSS.
- If tokenised data is lost or stolen, it is useless to hackers, systems are breached, sensitive information will not be compromised.
- By securing sensitive information with a token, and storing in an appropriate vault, organisations can control and audit access to that data.
- Administrators can set permissions and alert appropriate members of staff to any attempted breach.



# 5 Step approach

1. Inventory on vulnerabilities and how data storage is taken place and volume
2. Set up secure API for client
3. Tokenise all elements of sensitive structured data
4. Training on current rulings (access management), Zortrex does not have access to the data, we secure the data => decreases any insider threats
5. Possibility for detokenisation in place with audit trail => Instant GDPR compliant, PCI DSS in Scope





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