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Securing Your Salesforce Environment with DuoKey for Salesforce

Take your data protection to the next level with DuoKey
Advanced Encryption for Salesforce

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Securing Salesforce with DuoKey Advanced Encryption

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In an increasingly digital world, the sensitive information stored within Salesforce faces a multitude of threats.

From data breaches to unauthorized access, as well as more sophisticated cyber-attacks that compromise data integrity and confidentiality, these risks can have detrimental effects, including financial and legal consequences, as well as damage to brand's reputation.

Misconfigurations in Salesforce Community Cloud Lead to Data Leaks

A recent report shed light on significant data leaks Salesforce Community Cloud caused by misconfigurations. The issue was highlighted when several Salesforce Community sites, including those of the state of Vermont, were found to have inadvertently allowed guest access to sensitive data. This exposed critical information such as full names, Social Security numbers, and bank account details of applicants of a Pandemic Unemployment Assistance program.

This incident underscores the importance to add an extra layer of security that does not exclusively rely on Salesforce's infrastructure to best protect against unauthorized access.



Source: SCMagazine - May 2023

Protecting sensitive data within Salesforce has become a critical priority for businesses that want to **go beyond traditional encryption methods**, seek to **eliminate dependence on cloud service providers**, or need to **meet regulatory requirements** when handling financial, health or any type of sensitive data.

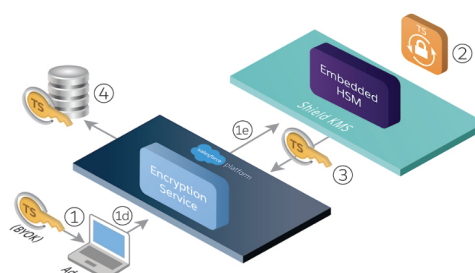
Salesforce Security with True Peace of Mind

At DuoKey, we understand the importance of data security and compliance within your Salesforce environment. This is why we developed **DuoKey for Salesforce, which includes Bring Your Own Key (BYOK) and Cache-Only Key Wrapper** encryption modules.

DuoKey's BYOK for Salesforce

Salesforce provides an add-on feature called BYOK, which allows customers to use their own encryption keys for securing their data stored in Salesforce.

DuoKey enhances Salesforce's BYOK by providing a specialized integration that generates, manages, and stores these encryption keys securely, leveraging advanced security protocols and technologies.



DuoKey Cache-Only Key Wrapper

DuoKey's Cache-Only Key Wrapper provides an added layer of security for your Salesforce platform.

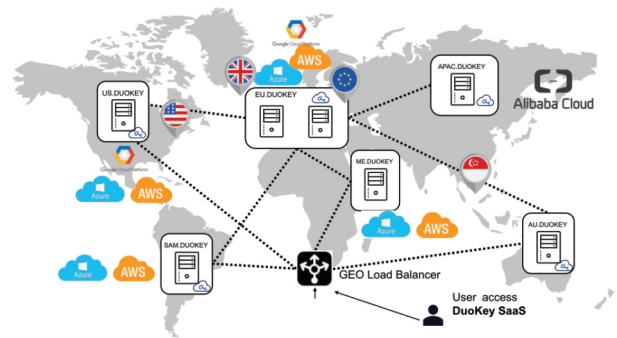
By isolating encryption keys in a secure cache, this encryption module ensures that sensitive data is decrypted only when necessary and for a limited duration. It also simplifies the process of setting up and managing Cache-Only Keys, ensuring that your keys are always secure and accessible when needed.

This approach minimizes the exposure of sensitive data, reduces the risk of unauthorized access, and enhances your overall data protection strategy.

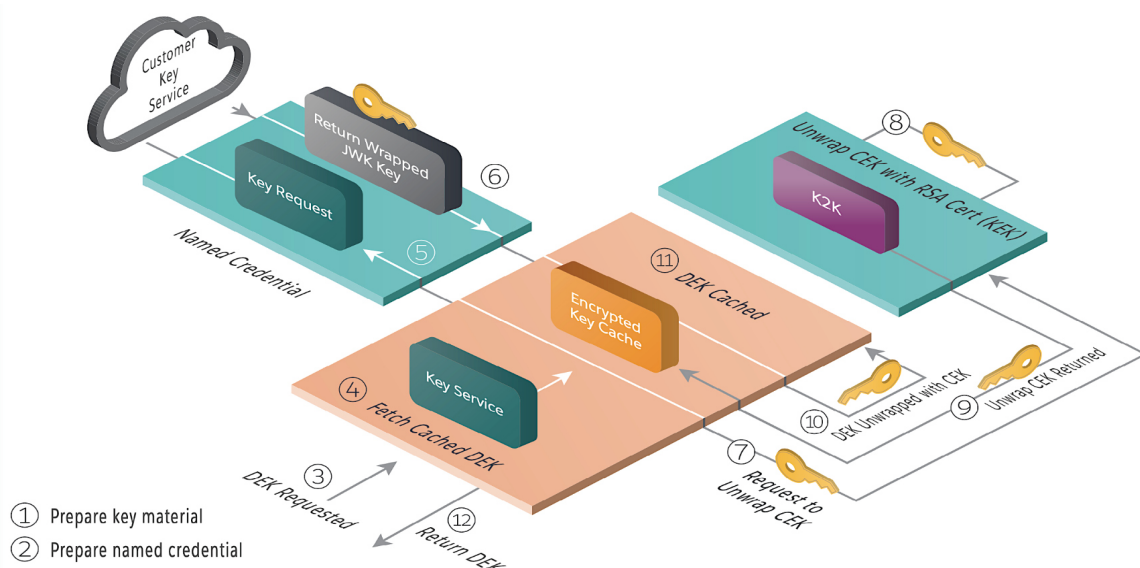
DuoKey Advanced Encryption for Salesforce works seamlessly with Hardware Security Modules (HSMs), providing secure storage for your cryptographic keys.

Multi-Party Computation for maximum security

Leveraging Multi-Party Computation (MPC) technology, DuoKey splits each encryption key into multiple parts and send them to multiple independent servers. In this setup no single entity has full access to the encryption key nor can it know another's information.



This unique MPC-based approach ensures high level of control and security over your sensitive data, even if a breach occurs.



How DuoKey's Advanced Encryption for Salesforce works

Compatible HSMs



DuoKey for Salesforce

Our innovative BYOK integration and Cache-Only Key Wrapper provide enhanced encryption capabilities, giving you full control over your Salesforce data protection. Our solutions let you:

- Protect your most sensitive data in Salesforce with BYOK and Cache-Only Key Wrapper.
- Maintain full control over your encryption keys.
- Comply with regulations and compliance rules (FINMA, HIPAA, GDPR, LIPAD ...).
- Store your keys in multi-tenant and vault solutions powered by MPC or HSM.

DuoKey for Salesforce

Install our auto-unseal and seal-wrap module for Hashicorp Vault

[Install now](#)

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Secure Your Cloud Environment with DuoKey



Enhanced Data Security

DuoKey MPC module for Salesforce provides an additional layer of security by allowing you to generate and manage your own encryption keys, significantly reducing the risk of data breaches.



Control Your Own Keys

With DuoKey, you have full control over your encryption keys, ensuring that only authorized personnel can access sensitive data.



Ease of use

DuoKey simplifies encryption keys management, making it easy to implement robust data security measures without requiring extensive technical expertise.



Seamless Integration

DuoKey seamlessly integrates with HSMs, providing secure, tamper-resistant storage for cryptographic keys and enhancing your overall data security infrastructure.

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Enhance the security of your Salesforce environment!
[Request a demo!](#)

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