# DidiSoft OpenSSL Library for .NET v1.4.3.62 (23 Jan 2025) for All Platforms

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**DidiSoft OpenSSL Library for .NET** is an easy-to-use encryption software that is appropriate for developers who prefer the use of C# or VB.NET. It assists you to safely encrypt and decrypt the data to secure your applications with ease through the available mechanisms that fully conform to the common OpenSSL algorithm. But the best part is that there are no external dependencies, and this is what makes it a perfect candidate to integrate with your current .NET projects.

No matter whether you need to encode something as Base64 or encrypt it with symmetric encryption or RSA, or prepare any dealings with certificates using digital certificates, you are covered. **DidiSoft OpenSSL Library for .NET** also allows the generation of your certificates and employs higher encryption standards such as PKCS#7 and EdDSA. The uncomplicated and well-documented API allows building strong security without being a cryptography expert.

## Key Features of **DidiSoft OpenSSL Library for .NET** :

1. **Base64 Support:** Encode and decode Base64 data easily, including working with input/output streams for larger files.
2. **Symmetric Encryption:** Use OpenSSL-compatible symmetric ciphers to encrypt and decrypt data quickly and securely.
3. **RSA Cryptography:** Perform RSA encryption with support for a wide range of key formats such as .crt/.cer certificates, PEM/DER encoded keys, and .pfx/.p12 private key containers.
4. **Certificate Management:** Create and manage X.509 certificates, and even build your own Certificate Authority for issuing and signing certificates.
5. **CMS/PKCS#7 and EdDSA:** Work with CMS (Cryptographic Message Syntax) and PKCS#7 standards, and use modern EdDSA keys and signatures for secure digital communication.

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### 版本列表

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