

Didisoft OpenPGP Library for .NET

OpenPGP encryption for .NET Framework

Didisoft OpenPGP Library for .NET is a software library providing OpenPGP cryptography methods for the Microsoft .NET Framework.

The library provides all the standard OpenPGP cryptography methods including encryption, decryption, creating and verifying digital signatures, combined one pass signatures and encryption, clear text and detached signatures.

Key management functions and connectivity to OpenPGP key servers are also available.

Compatibility

The output and input of the library is fully compatible with all the OpenPGP compliant software available on the market, including Symantec products, GnuPG/gpg, etc.

PRODUCT SUMMARY

- OpenPGP encryption for .NET Framework
- Thorough API documentation, tutorial and example applications
- The codebase is in completely managed code.
- Compliant output and input with all other OpenPGP software applications available on the market.
- Easy API with short learning curve.

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Designed for .NET Developers

The library is designed to provide easy API for OpenPGP cryptography with short learning curve. An online tutorial is available with detailed examples in C# and VB.NET programming languages.

High security

The public and private keys used in the OpenPGP encryption can be stored inside our own key storage file format protected with AES-256 bit encryption.

Full OpenPGP support

All the current OpenPGP Standard specifications are supported (RFC 4880, RFC 5581, RFC 6637, RFC 8032).

TECHNICAL SPECIFICATION

.NET Framework

- ✓ 2, 3.5, 4, 4.5, 4.6, 4.7
- ✓ .NET Core 1.1, 2.0
- ✓ .NET Standard 1.5
- ✓ Compact Framework 3.5
- ✓ Silverlight 5
- ✓ Windows 8 WinRT
- ✓ Xamarin.Android
- ✓ Xamarin.iOS

Programming Languages

C#, VB.NET

Public Key Algorithms

RSA, DSA, Diffie-Hellman, Elliptic Curves (NITS-P-256, NIST-P-384, NIST-P-521, Brainpool 256, 384, 512, EdDSA and X25519)

Encryption Algorithms

AES 128/192/256, DES, 3DES, Twofish, Blowfish, SAFER, Camellia 128/256

Signing Algorithms

SHA 256/224/384/512, SHA-1, MD-5, RIPEMD-160

Compression Algorithms

ZIP, BZIP2, ZLib

Network Protocols

HTTP, LDAP

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DidiSoft is a trusted leader in global business data protection. Over a decade DidiSoft has focused on providing encryption solutions to thousands of customers, including government agencies and financial institutions. Our software provides cost effective and easy to implement data protection solutions that is simple for IT to administer and operate.