NCryptoki v1.6.1.4 .NET wrappers to PKCS#11 smart cards

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NCryptoki is a language library that is compatible with the .NET framework, as well as Java which implements the specifications of PKCS#11 and provides an API to C#, VB.NET, Visual Basic 6, Delphi, and various other COM interop languages to integrate a PKCS#11-compliant token into any application.

NCryptoki provides the crypto ki's features defined in the PKCS#11 specification in the form of high-level classes that are compatible with C#, VB.NET, and Java and offers a programming model which allows you to incorporate your PKCS#11-compliant token into your applications using just the use of a few lines.

NCryptoki also provides a COM interface that permits the use of the provided classes in any language which supports COM interop, such as Visual Basic 6, Delphi, and others.

NCryptoki lets you avoid the complicated task of importing into your preferred programming language the functions that are available in native PKCS#11 implementations. With NCryptoki, you can reduce the complexity of the code you write and save lots in development.

In-depth, PKCS#11 functions to access smart cards and tokens, as described in the specs for PKCS#11, will be handled by a native, unmanaged dynamic link library (dll) written in C/Cand ++. Suppose you are looking to invoke functions from PKCS#11 in your C# or VB.NET or Java code. In that case, there's the option of using platforms invokers (P-Invoke) provided through .NET Framework or JNI to load the functions that the PKCS#11 native library does not manage into your code. However, importing functions from a dll not managed mainly from a complex PKCS#11 dll demands highly advanced C/C++ and . NET skills. It requires enormous work to declare the function's prototypes using P-Invoke and JNI rules and to deal with marshaling custom parameters.

NCryptoki enables you to avoid having to deal with the hassle of P-Invoke and JNI declarations, which can reduce the complexity of your code while simplifying development time.

NCryptoki Great Features:

- Compliant with PKCS#11 2.20 specifications
- Compliant with any PKCS#11 smart card/token/HSM
- 32 or 64-bit platform
- .NET Framework 3.5 or later
- Java 6 or later

版本列表

NCryptoki v1.6.1.4 .NET

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去预览

标签

Components .Net Other