

, , . , , , **RSALabs PKCS #11 Microsoft CryptoAPI.**
, API .

PKCS #11

PKCS #11 (PKCS, Public-Key Cryptography Standard), RSA Laboratories .

PKCS #11, Cryptoki (Cryptographic Token Interface Standart), « » – , (API) .

PKCS #11 - , , , . . , PKCS #11 , .

<https://www.cryptsoft.com/pkcs11doc/>.

+ PKCS #11

- . PKCS #11 : Windows, Mac OS, Linux, UNIX, Java ..
- C;
- ;
- -Windows ;
- ;
- ;
- ;
- / (C_WaitForSlotEvent).

- PKCS #11

- Windows , , Windows;
- X.509 . MS Windows Win32 API
- PKCS #11;
- . PKCS #11 API, , , , , .

Microsoft CryptoAPI Cryptography API: Next Generation

Microsoft CryptoAPI (MS CAPI) , Microsoft Windows- Windows. – , , CryptoAPI . , () . o CryptoAPI <http://technet.microsoft.com/en-us/library/cc962093.aspx> [https://msdn.microsoft.com/en-us/library/windows/desktop/aa380255\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/aa380255(v=vs.85).aspx).

Windows Vista, Microsoft **Cryptography API: Next Generation (CNG)**, CryptoAPI. CNG API , , , Active Directory, SSL IPsec. CNG , CryptoAPI, , , , (ECC). CNG , . o CNG e [https://msdn.microsoft.com/en-us/library/windows/desktop/aa376210\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/windows/desktop/aa376210(v=vs.85).aspx)

+ CryptoAPI

- Windows Windows;
- ;
- PKCS #11;
- Windows;
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CryptoAPI

- , Windows;
- . CryptoAPI , ;
- / (Win32 API);
- RSA ;
- .