

PassGen for Windows

Protecting systems using **One-Time Passwords**

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PassGen is a toolkit to generate one-time passwords. PassGen provides two one-time password systems in one convenient Windows application:

The IETF One Time Password Standard - S/KEY (RFC 1760). Most UNIX and Firewall systems provide support for this standard.

IBM Security Server (RACF™) Passticket algorithm available in RACF, CA-ACF2 and CA Top-Secret. This provides secure logon to IBM Mainframe systems. The Passticket can be used as a direct replacement for static Passwords; no changes are required to your existing applications.

One-Time Password:

A One-Time Password is a password that is used only once.

It can be used to authenticate users in a secure manner across insecure networks as once the password is used it can never be used again.

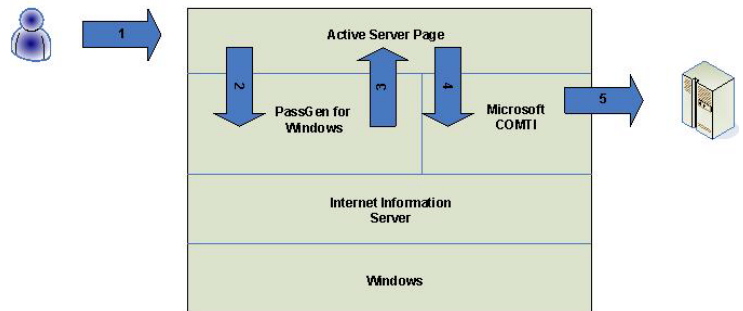
What does this toolkit consist of?

- * C++ Classes to help you use the IBM Security Server (RACF) Passticket interface
- * C++ Classes to help you use the S/Key interface
- * Visual Basic interface to help you use the IBM Security Server Passticket interface
- * Visual Basic interface to help you use the S/Key interface
- * C interface to help you use the IBM Security Server Passticket Interface
- * C interface to help you use the S/Key Passticket Interface
- * A key storage facility (The Keystore) that stores your keys in an encrypted manner.
- * Sample Visual Basic Application
- * Sample C++ Application
- * User Interface Applications

The Keystore: To provide secure storage PassGen provides an encrypted database called a Keystore. A Password is required to encrypt and decrypt data in this database.

User Interface application: This application provides users immediate access to the toolkit with an application that can be used to store keys and generate One-Time Passwords. Users can try this technology easily and quickly by generating a password and then using cut-and-paste to input it into an application.

Platforms Supported: Windows 95/98, 2000, 2003



Key Benefits:

- * Easily generate single use IBM Security Server Passtickets in your applications.
- * Easily generate S/Key one time passwords.
- * Prevents Passwords from being intercepted on LAN and WAN.
- * Provides secure storage for One-Time Password keys.
- * Quick start with a supplied sample Passticket application

Programming Interfaces:

- * ActiveX for use with Visual Basic, Delphi.
- * COM for use with IIS and user applications.
- * C/C++ interfaces for user applications.
- * Java Native Interface (JNI) under Windows: Allows systems such as WebSphere and Tomcat to access the PassTicket algorithm.

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